



## The following Safety Data Sheets pertain to the following products:

10, 25, 50 Person's Basic ANSI Compliant First Aid Kit "2009 Standards" (ANSI-10, ANSI-25, ANSI-50)  
10, 25, 50 Person's Premium ANSI Compliant First Aid Kit "2009 Standards" (ANSI-10P, ANSI-25P, ANSI-50P)  
10, 25, 50 Person's Basic ANSI Compliant First Aid Kit "2009 Standards" (ANSI-10, ANSI-25, ANSI-50)  
25, 50, 100 Person's ANSI Compliant First Aid Kit "2015 Standards" (ANSI-10-25-2015, ANSI-25-50-2015, ANSI-50-100-2015)  
25, 50, 100 Person's ANSI Compliant First Aid Kit Refill "2015 Standards" (ANSI-10-25-2015R, ANSI-25-50-2015R, ANSI-50-100-2015R)  
10, 25, 50 Person's Basic ANSI Compliant First Aid Kit Refill "2009 Standards" (ANSI-10R, ANSI-25R, ANSI-50R)  
10, 25, 50 Person's Premium ANSI Compliant First Aid Kit Refill "2009 Standards" (ANSI-10PR, ANSI-25PR, ANSI-50PR)  
Vehicle or Automobile First Aid Kit (AUTOK02)  
Hiking or Outdoor Basic First Aid Kit / Blood Clotting Agent (HIKE02 / HIKE03)  
Hiking or Outdoors Deluxe First Aid Kit with Blood Clotting Agent (HIKE03)  
1, 3 Person Active Shooter Kits (FVASTK01, FVASTK01C, FVASTK03, FVASTK03C)  
Active Shooter Trauma Kit (ASK01, ASK02, ASK03, ASK04, ASK05)  
SET System & Refill (FV3105, FV4105, FV4150, FV3150, FV4199, FV3199)  
Responder Kit (FV815, FV845)  
Law Enforcement Responder Kit (FAP51, FAP51-CEL)  
Perineal Instant Cold Pack with Self Adhesive strip

## These product items have a Safety Data sheet in this pack.

Cold Pack – 4x5, 5x9	Bacitracin Ointment
Perineal Instant Cold Pack with Self Adhesive strip	Bacitracin Zinc Ointment
Hot Pack – 5x9	First Aid & Burn Cream
Cleansing Towelette	Hand Sanitizer
Sterile Alcohol Prep Pads	Burn Jel
BZK Towelette	Aspirin Diphen
Triple Antibiotic Ointment	Celox – Rapid, Gauze, A-Applicator, Granolas
Hydrocortisone Cream	Ibuprofen
Sting & Bite Pads	Eye Wash
Sani Cloth	Sterile Saline Solution
Sani Wipe	Burn Dressing
Povidone Iodine Scrub Swab sticks	Tooth Saver



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Reviewed on 5/13/16

## SAFETY DATA SHEET

### SECTION 1. Product and Company Identification

**PRODUCT NAME:** Sting & Bite Pad

**PRODUCT USE:** OTC drug used as a topical analgesic

**Product Code:** 1408

**Manufacturer's Name:** Dynarex Corporation



**Manufacturer's Address:** 10 Glenshaw Street  
Orangeburg, NY 10962

**Emergency or Information Phone No.:** 888-DYNAREX or 845-365-8200  
At other times, contact the local Poison Control Center

### SECTION 2. Hazards Identification



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<b>2.1. Classification of the substance or mixture</b>	
<b>GHS-US classification</b>	
Flam. Liq. 2 H225 Eye Irrit. 2A H319 STOT SE 3 H335 STOT SE 3 H336	
<b>2.2. Label elements</b>	
<b>GHS-US labelling</b>	
Hazard pictograms (GHS-US)	 
	GHS02 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H225 - Highly flammable liquid and vapour H319 - Causes serious eye irritation H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness
Precautionary statements (GHS-US)	: P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical, lighting, ventilating equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P261 - Avoid breathing dust, fume, mist, spray, vapours P264 - Wash hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear eye protection, protective clothing, protective gloves P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER/doctor/physician if you feel unwell P337+P313 - If eye irritation persists: get medical advice/attention P370+P378 - In case of fire: Use dry chemical, foam, carbon dioxide for extinction P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to comply with applicable local, national and international regulation.
<b>2.3. Other hazards</b>	
No additional information available	
<b>2.4. Unknown acute toxicity (GHS-US)</b>	
No data available	

## SECTION 3. Composition/information on Ingredients





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### 3.1. Substance

Not applicable

Full text of H-phrases: see section 16

### 3.2. Mixture

Name	Product identifier	%
Isopropyl alcohol content	CAS Number 67-63-0	70.0% ± 2.0 %
Benzocaine content	CAS Number 94-09-7	5.5 – 6.5 %
Water	CAS Number: 7732-18-5	21.5 – 26.5 %

## SECTION 4. First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing stops, give artificial respiration. In case of breathing difficulties administer oxygen, by trained personnel. Seek medical attention immediately.
First-aid measures after skin contact	: Immediately flush skin with plenty of water for at least 15 minutes. Remove/Take off immediately all contaminated clothing. Do not rub the skin and eyes after direct contact with the product. Seek medical attention immediately. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention.
First-aid measures after ingestion	: Contact a Poison Control Center immediately. Give no more than 2 glasses of water and induce vomiting by giving 30 cc (2 tablespoons) of syrup of ipecac. If victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of ipecac. If syrup of ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Immediately call a POISON CENTER or doctor/physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause respiratory irritation. May cause drowsiness or dizziness. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/injuries after skin contact	: Repeated or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Irritating to the gastrointestinal tract. May cause abdominal pain and vomiting (sometimes bloody). Ingestion may cause central nervous system depression, low blood pressure, rapid heart beat and liver damage. Early to moderate central nervous system depression may be evidenced by giddiness, headache, dizziness and nausea. In extreme cases, unconsciousness, respiratory depression and death may occur. Liver damage may be evidenced by loss of appetite, jaundice (yellowish skin color) and sometimes pain in the upper abdomen on the right side.

### 4.3. Indication of any immediate medical attention and special treatment needed

Individuals with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of overexposure.





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## SECTION 5. Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Alcohol resistant foam. Dry powder. Carbon dioxide. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.  
Explosion hazard : May form flammable/explosive vapour-air mixture.  
Reactivity : Thermal decomposition generates : Corrosive vapours. Reacts violently with acids. An exothermic reaction may occur.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.  
Other information : Containers may swell and Burst during a fire due to internal pressure caused by heat. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires.

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate all ignition sources if safe to do so. Use special care to avoid static electric charges. No naked lights. No smoking. Stop leak if safe to do so. No action shall be taken involving any personal risk or without suitable training. Wear protective clothing. For further information refer to section 8 : Exposure-controls/personal protection.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Consult the appropriate authorities about waste disposal. Ensure all national/local regulations are observed.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7. Handling and storage



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<b>7.1. Precautions for safe handling</b>	
Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. Do not breathe gas, fumes, vapour or spray. No naked lights. No smoking. Use only non-sparking tools. Never use pressure to empty container. Ground/bond container and receiving equipment. Take care to allow internal pressure to escape from container before releasing closures. Remove closure carefully; internal pressure may be present. Keep closure up to prevent leakage. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
Technical measures	: Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Ensure the ventilation system is regularly maintained and tested. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. A washing facility/water for eye and skin cleaning purposes should be present. Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool well ventilated place. Keep in fireproof place. Keep container tightly closed. Protect containers against physical damage. Detached outside storage is preferable. Inside storage should be in an NFPA approved flammable liquids storage room or cabinet. Store in corrosion-proof area at temperatures below 77 °F (25°C). Store away from direct sunlight or other heat sources.
Incompatible materials	: Avoid mixing with acids, most common metals, strong oxidizing agents, brass, zinc, chlorine, aluminum, copper, bronze, mercury, dimethyl sulfate and acetyl chloride.
Storage temperature	: < 25 °C Store at temperatures below 77 °F (25 °C)
<b>7.3. Specific end use(s)</b>	
No additional information available	

## SECTION 8. Exposure controls/personal protection





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#### 8.1. Control parameters

Isopropyl alcohol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

#### 8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Use explosion-proof ventilating equipment.

Personal protective equipment : Avoid all unnecessary exposure. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. For certain operations, additional Personal Protection Equipment (PPE) may be required. Protective goggles. Gloves. Protective clothing.



Hand protection : Wear protective gloves. rubber gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Chemical goggles or face shield.

Skin and body protection : Wear suitable protective clothing. Chemical resistant safety shoes.

Respiratory protection : Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE). Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals. Care must be taken to assure that any respirator chosen is capable of protecting the user from both ammonia and ethyl alcohol vapors.

Other information : Do not eat, drink or smoke during use.

## SECTION 9. Physical and chemical properties





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#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Green.
Odour	: Odor of isopropyl alcohol, residual odor of menthol.
Odour threshold	: No data available
pH	: 8.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 35 °C (>95 °F )
Flash point	: 16.6 °C (62 °F )
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.029 (Specific Gravity @ 25 °C )
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

## SECTION 10. Stability and reactivity



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#### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapours. Reacts violently with acids. An exothermic reaction may occur.

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

#### 10.5. Incompatible materials

Avoid mixing with acids, most common metals, strong oxidizing agents, brass, zinc, chlorine, aluminum, copper, bronze, mercury, dimethyl sulfate and acetyl chloride.

#### 10.6. Hazardous decomposition products

Thermal decomposition generates : Fume. Carbon monoxide. Carbon dioxide. May release flammable gases. Corrosive vapours. Ammonia. Nitrogen oxides. release of highly flammable gases/vapours hydrogen.

## SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity

: Not classified

(Based on available data, the classification criteria are not met)

Isopropyl alcohol (67-63-0)	
LD50 oral rat	4396 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50 inhalation rat (ppm)	16000 ppm (Exposure time: 8 h)
ATE CLP (oral)	4396.000 mg/kg bodyweight
ATE CLP (dermal)	12800.000 mg/kg bodyweight





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L-Menthol (2216-51-5)	
LD50 oral rat	3300 mg/kg
ATE CLP (oral)	3300.000 mg/kg bodyweight
Polyethylene glycol (25322-68-3)	
LD50 dermal rabbit	> 20 ml/kg
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8.5
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory irritation. May cause drowsiness or dizziness. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/injuries after skin contact	: Repeated or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Irritating to the gastrointestinal tract. May cause abdominal pain and vomiting (sometimes bloody). Ingestion may cause central nervous system depression, low blood pressure, rapid heart beat and liver damage. Early to moderate central nervous system depression may be evidenced by giddiness, headache, dizziness and nausea. In extreme cases, unconsciousness, respiratory depression and death may occur. Liver damage may be evidenced by loss of appetite, jaundice (yellowish skin color) and sometimes pain in the upper abdomen on the right side.

## SECTION 12. Ecological information





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<b>12.1. Toxicity</b>	
<b>Isopropyl alcohol (67-63-0)</b>	
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>L-Menthol (2216-51-5)</b>	
LC50 fishes 1	18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>12.2. Persistence and degradability</b>	
<b>Medicaine<sup>®</sup> Sting and Bite Relief</b>	
Persistence and degradability	Not established.
<b>12.3. Bioaccumulative potential</b>	
<b>Medicaine<sup>®</sup> Sting and Bite Relief</b>	
Bioaccumulative potential	Not established.
<b>Isopropyl alcohol (67-63-0)</b>	
Log Pow	0.05 (at 25 °C)
<b>12.4. Mobility in soil</b>	
No additional information available	
<b>12.5. Other adverse effects</b>	
Other information	: Avoid release to the environment.


## SECTION 13. Disposal considerations

<b>13.1. Waste treatment methods</b>	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not re-use empty containers. Ensure all national/local regulations are observed. Consult the appropriate authorities about waste disposal.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14. Transport information



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In accordance with DOT	
Transport document description	: UN1993 Flammable liquids, n.o.s. (contains isopropanol), 3, II
UN-No.(DOT)	: 1993
DOT NA no.	: UN1993
DOT Proper Shipping Name	: Flammable liquids, n.o.s. (contains isopropanol)
Department of Transportation (DOT) Hazard Classes	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	
DOT Symbols	: G - Identifies PSN requiring a technical name
Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	: IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F). TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
<b>Additional information</b>	
Other information	: No supplementary information available.
<b>ADR</b>	
Transport document description	:
<b>Transport by sea</b>	
No additional information available	
<b>Air transport</b>	
No additional information available	





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## SECTION 15. Regulatory information

### 15.1. US Federal regulations

#### Isopropyl alcohol (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on SARA Section 313 (Specific toxic chemical listings)

EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)

#### L-Menthol (2216-51-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Polyethylene glycol (25322-68-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### Isopropyl alcohol (67-63-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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#### L-Menthol (2216-51-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Polyethylene glycol (25322-68-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.





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#### EU-Regulations

**Isopropyl alcohol (67-63-0)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

**L-Menthol (2216-51-5)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

**Polyethylene glycol (25322-68-3)**

Listed on the EU - No-Longer Polymers List (67/548/EEC)

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

#### 15.2.2. National regulations

**Isopropyl alcohol (67-63-0)**

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on Industrial Safety and Health Law Substances (ISHL)  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the Canadian Ingredient Disclosure List

**L-Menthol (2216-51-5)**

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on Industrial Safety and Health Law Substances (ISHL)  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

**Polyethylene glycol (25322-68-3)**

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

#### 15.3. US State regulations

No additional information available

## SECTION 16. Other information

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10 Glenshaw Street, Orangeburg, NY 10962  
Tel: 845.365.8200 • Fax: 845.365.8201  
Toll-Free: 888.DYNAREX


This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

### Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** 70260  
**Product Name:** Aspirin  
**Synonyms:** 2-(acetyloxy)-benzoic acid; Acetylsalicylic Acid;
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
**Relevant identified uses:** For research use only, not for human or veterinary use.
- 1.3 Details of the Supplier of the Safety Data Sheet:**  
**Company Name:** Cayman Chemical Company  
 1180 E. Ellsworth Rd.  
 Ann Arbor, MI 48108  
**Web site address:** www.caymanchem.com  
**Information:** Cayman Chemical Company +1 (734)971-3335
- 1.4 Emergency telephone number:**  
**Emergency Contact:** CHEMTREC Within USA and Canada: +1 (800)424-9300  
 CHEMTREC Outside USA and Canada: +1 (703)527-3887

### Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**  
**Acute Toxicity: Oral, Category 4**
- 2.2 Label Elements:**
- 
- GHS Signal Word:** **Warning**
- GHS Hazard Phrases:**  
 H302: Harmful if swallowed.
- GHS Precaution Phrases:**  
 P264: Wash {hands} thoroughly after handling.
- GHS Response Phrases:**  
 P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P330: Rinse mouth.
- GHS Storage and Disposal Phrases:**  
 Please refer to Section 7 for Storage and Section 13 for Disposal information.
- 2.3 Adverse Human Health** Harmful if swallowed.
- Effects and Symptoms:** Material may be irritating to the mucous membranes and upper respiratory tract.  
 May be harmful by inhalation or skin absorption.  
 May cause eye, skin, or respiratory system irritation.  
 To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

### Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
50-78-2 VO0700000	Acetylsalicylic acid	100.0 %	200-064-1 NA	Acute Tox.(O) 4: H302



### Section 4. First Aid Measures

#### 4.1 Description of First Aid Measures:

- In Case of Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
- In Case of Skin Contact:** Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
- In Case of Eye Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
- In Case of Ingestion:** Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

### Section 5. Fire Fighting Measures

#### 5.1 Suitable Extinguishing Media:

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

**Unsuitable Extinguishing Media:** A solid water stream may be inefficient.

#### 5.2 Flammable Properties and Hazards:

No data available.

No data available.

**Flash Pt:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

#### 5.3 Fire Fighting Instructions:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

### Section 6. Accidental Release Measures

#### 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:

Avoid raising and breathing dust, and provide adequate ventilation.

As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

#### 6.2 Environmental Precautions:

Take steps to avoid release into the environment, if safe to do so.

#### 6.3 Methods and Material For Containment and Cleaning Up:

Contain spill and collect, as appropriate.

Transfer to a chemical waste container for disposal in accordance with local regulations.

### Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.
- 7.2 Precautions To Be Taken in Storing:** Keep container tightly closed. Store in accordance with information listed on the product insert.

### Section 8. Exposure Controls/Personal Protection

#### 8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
50-78-2	Acetylsalicylic acid	ACGIH TLV	TLV: 5 mg/m3	



## Aspirin

Revision: 04/28/2017

Supersedes Revision: 02/02/2015

50-78-2 Acetylsalicylic acid  
(continued)

Britain EH40

TWA: 5 mg/m3 ()  
STEL: ()**8.2 Exposure Controls:**

**8.2.1 Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.  
**(Ventilation etc.):**

**8.2.2 Personal protection equipment:****Eye Protection:** Safety glasses**Protective Gloves:** Compatible chemical-resistant gloves**Other Protective Clothing:** Lab coat**Respiratory Equipment** NIOSH approved respirator, as conditions warrant.**(Specify Type):****Work/Hygienic/Maintenance Practices:** Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.

Wash thoroughly after handling.

No data available.

**Section 9. Physical and Chemical Properties****9.1 Information on Basic Physical and Chemical Properties****Physical States:** [ ] Gas [ ] Liquid [ X ] Solid**Appearance and Odor:** A crystalline solid**pH:** No data.**Melting Point:** No data.**Boiling Point:** No data.**Flash Pt:** No data.**Evaporation Rate:** No data.**Flammability (solid, gas):** No data available.**Explosive Limits:** LEL: No data. UEL: No data.**Vapor Pressure (vs. Air or mm Hg):** No data.**Vapor Density (vs. Air = 1):** No data.**Specific Gravity (Water = 1):** No data.**Solubility in Water:** No data.**Solubility Notes:** ~2.7 mg/ml in PBS (pH 7.2); ~80 mg/ml in EtOH; ~41 mg/ml in DMSO; ~30 mg/ml in DMF;**Octanol/Water Partition Coefficient:** No data.**Autoignition Pt:** No data.**Decomposition Temperature:** No data.**Viscosity:** No data.**9.2 Other Information****Percent Volatile:** No data.**Molecular Formula & Weight:** C<sub>9</sub>H<sub>8</sub>O<sub>4</sub> 180.2

## Aspirin

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### Section 10. Stability and Reactivity

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Stability:</b>	Unstable [ ]    Stable [ X ]
<b>10.3 Stability Note(s):</b>	Stable if stored in accordance with information listed on the product insert.
<b>Polymerization:</b>	Will occur [ ]    Will not occur [ X ]
<b>10.4 Conditions To Avoid:</b>	No data available.
<b>10.5 Incompatibility - Materials To Avoid:</b>	strong acids strong base strong oxidizing agents
<b>10.6 Hazardous Decomposition or Byproducts:</b>	carbon dioxide carbon monoxide

### Section 11. Toxicological Information

<b>11.1 Information on Toxicological Effects:</b>	The toxicological effects of this product have not been thoroughly studied. Aspirin - Toxicity Data: Oral LDLO (child): 104 mg/kg; Subcutaneous LD50 (mouse): 1020 mg/kg; Skin TDLO (rat): 50 mg/kg; Oral TDLO (rat): 17 mg/kg; Oral TDLO (human): 5.4 mg/kg; Oral LD50 (rat): 950 mg/kg;
<b>Chronic Toxicological Effects:</b>	Aspirin - Investigated as a drug, mutagen, primary irritant, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Aspirin RTECS Number: VO0700000

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
50-78-2	Acetylsalicylic acid	n.a.	n.a.	n.a.	n.a.

### Section 12. Ecological Information

<b>12.1 Toxicity:</b>	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
<b>12.2 Persistence and Degradability:</b>	No data available.
<b>12.3 Bioaccumulative Potential:</b>	No data available.
<b>12.4 Mobility in Soil:</b>	No data available.
<b>12.5 Results of PBT and vPvB assessment:</b>	No data available.
<b>12.6 Other adverse effects:</b>	No data available.

### Section 13. Disposal Considerations

<b>13.1 Waste Disposal Method:</b>	Dispose in accordance with local, state, and federal regulations.
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# SAFETY DATA SHEET

## Aspirin

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### Section 14. Transport Information

#### 14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class:

UN/NA Number:

#### 14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

UN Number:

Hazard Class:

#### 14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

### Section 15. Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
50-78-2	Acetylsalicylic acid	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
50-78-2	Acetylsalicylic acid	CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: Yes: RDTox(F)

Regulatory Information Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)

No.1272/2008.

### Section 16. Other Information

Revision Date: 04/28/2017

Additional Information About This Product: No data available.

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Toll Free: (888) DYNAREX \* Website: [www.thcnet.com](http://www.thcnet.com)  
Fax: (845) 365-8201

Reorder #'s 1160-61-62-63

Reviewed on 1/7/15

## Safety Data Sheet

### Section 1 – Product and Company Identification

Product/Trade Name: Bacitracin Ointment  
Manufacturer's Name: Dynarex Corporation  
Manufacturer's Address: 10 Glenshaw Street  
Orangeburg, NY 10962  
Emergency or Information Phone No.: 888-DYNAREX or 845-365-8200 (Mon – Fri)  
At other times, contact the local Poison Control Center  
SDS Name: Bacitracin (Equal to 500 Bacitracin Units)

### Section 2 - Hazards Identification

#### EMERGENCY OVERVIEW

Harmful

#### POTENTIAL HEALTH EFFECTS

**Eye** May Cause Eye Irritation

**Skin** May Cause Skin Irritation

**Ingestion** May be harmful if swallowed

**Inhalation** Causes respiratory tract irritation. May be harmful if swallowed.

**Chronic** Repeated or prolonged exposure can produce target organ damage

### Section 3 - Composition, Information on Ingredients

Composition : Each Gram Contains : Bacitracin (as Bacitracin Zinc) 500 IU

CAS#	Chemical Name	%	EINECS#
1405-89-6	Bacitracin Zinc	500 IU	

Hazard Symbols: **Not Available**

Risk Phrases: **Not Available**



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**Fax:** (845) 365-8201

#### Section 4 - First aid Measures

<b>Eyes</b>	Flush with plenty of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.
<b>Skin</b>	Immediately wash skin with plenty of water. Get medical attention.
<b>Ingestion</b>	Wash out mouth with water and supply 3 cupfuls of milk or water provided person is conscious. Call physician
<b>Inhalation</b>	Remove to fresh air. If not breathing give artificial respiration, If breathing is difficult, give oxygen. Call a physician.
<b>Notes to Physician</b>	Treat symptomatically and supportively.

#### Section 5 - Fire Fighting Measures

<b>General Information</b>	As in any fire, wear a self –contained breathing apparatus in pressure-demand, MSHA / NIOSH, and full protective gear.
<b>Extinguishing Media</b>	Noncombustible : USE carbon oxide , dry chemical powder Large Fire: Use water supply, fog or foam. Do not use water jet.

#### Section 6 - Accidental Release Measures

<b>General Information</b>	Wear Respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
<b>Spills/Leaks</b>	Collect the material and place into a suitable disposal container.

#### Section 7 – Handling and Storage

<b>Handling</b>	Keep tube tightly closed.
<b>Storage</b>	Store at a temperature below 30°C.

#### Section 8 - Exposure Controls, Personal Protection

<b>Engineering Controls</b>	Use only in a chemical hood, eyes wash station and deluge shower Wash thoroughly after handling.
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##### PERSONAL PROTECTIVE EQUIPMENT

<b>Eyes</b>	Splash Goggles
<b>Skin</b>	Lab Coat
<b>Clothing</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Respirators</b>	Dust respirator. Be sure to use an approved / certified respirator or equivalent.





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## Section 9 - Physical and Chemical Properties

Physical State	Ointment
Appearance	Off White soft ointment
Odor	Odorless
Ph	5.0 to 7.0
Vapor Pressure	Not Available
Viscosity	200 to 900 cp
Boiling Point	200 degree C
Freezing/Melting Point	Approx. 58 degree C
Auto ignition Temperature	Not Available
Flash Point	Not Available
Explosion Limits, lower	Not Available
Explosion Limits, upper	Not Available
Decomposition Temperature	Not Available
Solubility in water	Insoluble
Specific Gravity/Density	0.85
Molecular Formula	Not Applicable
Molecular Weight	Not Applicable

## Section 10 - Stability and Reactivity

Chemical Stability	Stable
Conditions to Avoid	Not Available
Incompatibilities with Other Materials	Incompatible with strong agents, strong oxidizing agents, iodine, and fluorine.
Hazardous Decomposition Products	Carbon Monoxide, Carbon Dioxide , Nitrogen oxides, Hydrogen Chlorides Gas
Hazardous Polymerization	Not Applicable

## Section 11 - Toxicological Information

RTECS#	Not Applicable
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LD50/LC50 Not Available  
Carcinogenicity Not Available  
Other Not Data Available

#### Section 12 - Ecological Information

Other . Not Available

#### Section 13 - Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not Available	Not Available	Not Available
Hazard Class:	Not Available	Not Available	Not Available
UN Number:	Not Available	Not Available	Not Available
Packing Group:			

#### Section 15 - Regulatory Information

European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: **Not Available**  
Risk Phrases: **Not Available**  
Safety Phrases: **Not Available**  
United Kingdom Occupational Exposure Limits  
Canada  
Exposure Limits  
US FEDERAL  
TSCA

#### Section 16 – Other Information

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## SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

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**Product Identifiers:** **Bacitracin Zinc Ointment,**  
Dynarex Reorder # 1170-71-72-73-75-76

**Other means of identification:** Not available

**Recommended use of the chemical** As a first aid, to prevent infection in minor cuts, scrapes, and burns.

**And restrictions on use** Warnings: FOR EXTERNAL USE, ONLY.  
Do not use • In the eyes • If you are allergic to any of the ingredients, due to the possibility of anaphylactic shock • Over large areas of the body • Longer than 1 week unless directed by a doctor • Ask a doctor before use in case of deep or puncture wounds, animal bites or serious burns • Stop use and ask a doctor if • The condition persists or gets worse • A rash or other allergic reaction develops

**Name of the Manufacturer:** Dynarex Corporation

**Manufacturer's Address:** 10 Glenshaw Street  
Orangeburg, NY 10962

**Emergency Phone No.:** Toll Free: 1-888-DYNAREX  
Phone: (845) 365-8200  
Fax: (845) 365-8201  
At other times, contact the local Poison Control Center





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## 2. HAZARDS IDENTIFICATION

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Classification	ACUTE TOXICITY - DERMAL - Category 5 ACUTE TOXICITY - ORAL - Category 5 EYE DAMAGE/IRRITATION - Category 2B
Signal Word	Warning
Pictogram	
Hazard Statements	Causes eye irritation May be harmful if swallowed
Precautionary Statements	May be harmful in contact with skin
Response	Call a poison center/doctor/ ... /if you feel unwell. If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Prevention	Wash ...thoroughly after handling.
Storage	N/A
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Component Name	CAS#/Codes	Concentration	Risk Phrases	Safety Phrases
White Petrolatum	8009-03-08	>60%	R11, R36	S2, S16, S25, S26
Light Liquid Paraffin	8042-47-5	>10%		
Bacitracin Zinc	1405-89-6	<10%		

The above ingredients are raw materials that undergo processing, dilution and filled into a three-layer sealed laminate. Upon completion of the manufacturing process the material does not possess the occupational health risks associated with the exposure to any of the ingredients above and the finished product.

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### 4. FIRST AID MEASURES

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#### Eyes:

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

#### Skin

Immediately flood the skin with large quantities of water, preferably under a shower. Remove contaminated clothing and continue washing. Contaminated clothing should be washed or dry cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.

#### Ingestion

Give victim drink 1-3 glasses of water to dilute stomach contents Induce vomiting only if directed to do so by medical personnel.

#### Inhalation

Remove from exposure to fresh air. If there is difficulty in breathing, give oxygen. Obtain medical attention immediately.



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## 5. FIRE FIGHTING MEASURES

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### **Extinguishing Media**

Use foam, dry chemical, sand or carbon dioxide, do not use water jet directly.  
Keep containers and surroundings cool with water spray.

### **Unusual Fire and Explosion Hazards**

Cool endangered containers externally with water.

### **Hazard from combustion products**

Nitrogen oxides, Carbon Monoxide, Carbon D

### **Protective Equipment for Fire-Fighting**

Do not inhale combustion gases. Wear full protective clothing and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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Clean area with (hot) water and detergent. Note that spillage will become slippery. Avoid contact with hot products. Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Wear appropriate protective clothing.

**Environment Precaution:** Do not allow spilled product to enter drains, surface water or ground water. Do not allow product to enter soil/ subsurface. Large spillages must be notified to appropriate authority,

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## 7. HANDLING AND STORAGE

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Special precautions are not necessary if used correctly. Keep in tinted close light protecting containers. Use in well ventilated area. Use local exhaust ventilation.

Avoid inhaling vapor. Avoid contact with eyes and clothing. Store away from sources of heat or ignition. Storage area should be: - cool - dry - well ventilated - away from incompatible materials (strong oxidizing agents) and heat.





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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational Exposure Standards

There are no specific occupational exposure limits known for product or its ingredients.

### Engineering Control Measures

Good general room ventilation is expected to be adequate to control airborne levels.

### Respiratory Protection

Not required under normal conditions and appropriate ventilation.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	Ointment
Color	Pale yellow to White
Odor	No odor
pH	5.0-8.0
Boiling Range/Point	230°C
Melting Point (°C/F)	45°C -60°C
Flash Point (PMCC)	No data
Vapor Pressure	No data.
Density	0.780-0.880 gram/ml
Solubility in Water	Practically insoluble in water.
Vapor Density (Air = 1)	No data
Viscosity (cSt)	No data

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## 10. STABILITY AND REACTIVITY

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### Stability

Stable under normal conditions

### Conditions to Avoid



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- Heat - High temperatures - Static discharge - Exposure to direct sunlight -

Mechanical shock

#### **Materials to Avoid**

- Strong oxidizing agents

#### **Hazardous Polymerization**

Will not occur.

#### **Hazardous Decomposition Products**

- oxides of carbon and other oxides

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### 11. TOXICOLOGICAL INFORMATION

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#### **Acute Toxicity**

**Skin:** Rarely cause allergic reaction in sensitive individuals.

**Eyes:** Rarely cause allergic reaction in sensitive individuals.

**Inhalation:** No hazards under normal conditions of use.

#### **Chronic Toxicity/Carcinogenicity**

This product is not expected to cause long term adverse health effects.

This product is non-carcinogenic.

When swallowed: there is no damage to health.

#### **Genotoxicity**

This product is not expected to cause any mutagenic effects.

#### **Reproductive/Developmental Toxicity**

This product is not expected to cause reproductive or developmental health effects.

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### 12. ECOLOGICAL INFORMATION

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#### **Mobility**

Product is insoluble in water. It can be removed from water mechanically in purification plant.

#### **Persistence/Degradability**

According to the test criteria of OECD the product is not readily biodegradable but inherently biodegradable.



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**Bio-accumulation**

The product has no bio accumulation.

**Ecotoxicity**

**Fish toxicity**

Product is not fish toxic.

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**13. DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near to the container. Do not incinerate closed containers. Empty containers may contain hazardous residues. Dispose of containers with care.

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**14. TRANSPORT INFORMATION**

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DOT CFR 172.101 Data

Not Regulated per 49 CFR 173.4  
Small Quantity Exemption

Proper Shipping Name

None

Class

None

UN Number

None

Packing Group

None

Classification for AIR

None

Transport(IATA)





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## 15. REGULATORY INFORMATION

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### **EU Label Information**

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

### **EU Hazard Symbol and Indication of Danger**

F - Highly flammable

Xi - Irritant

### **R phrases**

R11 - Highly flammable.

R36 - Irritating to eyes.

### **S phrases**

S2 - Keep out of reach of children.

S16 - Keep away from sources of ignition - No smoking.

S25 - Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## **US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS**

### **TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

### **EINECS Listing**

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

### **DSL (Canadian) Listing**

All ingredients in this product are listed on the Domestic Substance List (DSL).

### **MA Right To Know Law**

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at or above the de minimus concentration include

### **PA Right To Know Law**



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This product contains the following chemicals found on the Pennsylvania Hazardous Substance List

#### **NJ Right To Know Law**

This product contains the following chemicals found on the NJ Right To Know Hazardous Substance List:

#### **California Proposition 65**

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

#### **SARA Title III Sect. 302 (EHS)**

This product does not contain any chemicals subject to SARA Title III Section 302.

#### **SARA Title III Sect. 304**

This product does not contain any chemicals subject to SARA Title III Section 304.

#### **SARA Title III Sect. 311/312 Categorization**

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

Flammable

#### **SARA Title III Sect. 313**

This product does not contain a chemical which is listed in Section 313 at or above de minimise concentrations.

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## 16. OTHER INFORMATION

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#### Disclaimer:

This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.



## SAFETY DATA SHEET

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Identifier #015

Product Name Sterile Gel Soaked Burn Dressings

Product Use Burn First Aid Treatment

Manufacturer Water Jel Technologies LLC  
50 Broad Street  
Carlstadt, New Jersey 07072

Telephone 201-507-8300

E-mail Address [www.waterjel.com](http://www.waterjel.com)

Emergency Telephone 1-800-275-3433

FAX Number 201-507-8325

Issue Date: 08-25-2015

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### SECTION 2: HAZARDS IDENTIFICATION

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#### Emergency Overview:

Sterile Gel Soaked Burn Dressings are non-woven substrates with a fluid viscous gel. This product is intended for first aid treatment of burns to ease pain and provide a barrier against contamination until medical assistance is provided. This product is regulated by the US FDA as a medical device. The SDS is for the gel only.

Consult the package for use directions and warnings information.

#### Warnings: For External Use Only.

When using this product, avoid contact with the eyes.

If swallowed, get medical help or contact a Poison Control Center immediately.

Physical Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

Health Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

Environmental Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

OSHA Defined Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

#### Label Elements:

Hazard Symbol: None

Signal Word: None

Hazard Statement: The mixture does not meet the criteria for classification.

#### Precautionary Statement:

Prevention	None required according to OSHA Hazcom 2012.
Response	None required according to OSHA Hazcom 2012.
Storage	None required according to OSHA Hazcom 2012.
Disposal	None required according to OSHA Hazcom 2012.

#### Hazards not otherwise

Classified (HNOC): None known.

Supplemental Information: None.



## SAFETY DATA SHEET

### Route of Entry:

**Skin Contact:** May cause irritation, redness, inflammation or dryness.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Unlikely route of exposure.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical Name	Common Name and Synonyms	CAS Number	%
Glycerin	1, 2, 3, Propanetriol	56-81-5	Proprietary
Propylene Glycol	1, 2, 3, Propanetriol 2-Hydroxypropanol	57-55-6	Proprietary

### SECTION 4: FIRST AID MEASURES

**Skin Contact:** Wash off with warm water and soap. Get medical attention if symptoms occur.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Unlikely route of exposure.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 5: FIRE-FIGHTING MEASURES

**Flammable:** No  
**Means of Extinction:** Use extinguishing media appropriate for surrounding fire. Use water spray, foam or dry chemical.  
In fires involving large quantities of this product, the use of large streams of water should be avoided.  
Use self-contained breathing apparatus when fighting fires that involve this material.  
**Flash Point and Method:** NA  
**Upper Flammable Limit (% by volume):** NA  
**Lower Flammable Limit (% by volume):** NA  
**Autoignition Temperature (°C):** NA  
**Explosion Data – Sensitivity to Impact:** No unusual fire or explosion hazards noted.  
**Explosion Data – Sensitivity to Static Discharge:** No unusual fire or explosion hazards noted.  
**Hazardous Combustion Products:** Carbon oxides. Nitrogen Oxides (NOx).

NFPA    Health 1                      Fire 0                      Reactivity 0                      Other NA





## SAFETY DATA SHEET

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions,  
Protective equipment and  
Emergency procedures: Wear appropriate personal protective equipment.

Methods and materials  
for containment  
and clean up:

Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.

Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental Precautions: Avoid discharge into drains and water sources.

### SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Keep this and other chemicals out of the reach of children.

Storage Temperature: Do not store or mix with strong acids or oxidizers. Store at room temperature.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Components	ACGIH-TLVs	OSHA-PELs	NIOSH	Form
Glycerin (CAS 57-55-8)	NE	5 mg/m3		Aerosol
Propylene Glycol (CAS 57-55-6)	10 mg/m3	NE	NE	Aerosol

Biological Limit Values: No biological Exposure limits noted for the ingredients.

Ventilation and Engineering Controls: Ensure adequate ventilation.

Personal Protective Equipment:  
Hand Protection: None required under normal conditions.  
Eye and Face Protection: None required under normal conditions.  
Skin Protection: Eye protection, as necessary to prevent excessive contact.  
None required under normal conditions.

General Hygiene Considerations: Practice safe work habits.  
Other Protective Equipment: Eye wash stations should be nearby and ready to use.



## SAFETY DATA SHEET

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance: Gel.  
Physical State: Gel.  
Form: Gel.  
Color: Opaque, white.  
Odor: Medicinal scent.

pH: No information available.  
Boiling Point: 212°F  
Melting Point: No information available.  
Flash Point: N/A

Explosive Properties: No information available.  
Oxidizing Properties: No information available.  
Specific Gravity: 0.997  
Water Solubility: Soluble.  
Partition Coefficient: No information available.  
Viscosity: No information available.  
Vapor Pressure (mm Hg): No information available.  
Vapor Density (Air=1): No information available.  
Evaporation Rate: No information available.  
% Volatile: No information available.

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### SECTION 10: STABILITY AND REACTIVITY

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Reactivity: The product is stable and non-reactive under normal conditions of use.  
Chemical Stability: Stable at normal conditions.  
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.  
Conditions to Avoid: Extreme heat.  
Materials to Avoid: Strong oxidants and strong acids.  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.  
Hazardous Polymerization: Will not occur.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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Symptoms of Overexposure by Route of Exposure:  
The health hazard information provided is for handling this product in an occupational setting.

Effects of Acute and Chronic Exposure:

Acute: The primary health effect that may be experienced in an occupational setting is mild irritation of contaminated skin. Accidental ingestion may be harmful. Although unlikely, irritation can irritate the respiratory system. Eye contact will cause irritation.

Chronic: NE

Target Organs: Acute: Occupational exposure: Skin, eyes.  
Chronic: Occupational exposure: Skin.

Inhalation:  
Although unlikely due to form of product, vapors may slightly irritate the nose, throat and lungs. Symptoms are generally alleviated upon breathing fresh air.



## SAFETY DATA SHEET

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**Skin Contact:**

Skin contact may cause burning sensation, stinging, itching and tingling.

**Eye Contact:**

Eye contact can cause irritation, stinging, redness and tearing.

**Ingestion:**

Ingestion is not a significant route of occupational overexposure. Acute ingestion of large quantities of this product or chronic ingestion may cause adverse symptoms that may include nausea, vomiting and diarrhea.

**Irritancy of the Product:**

This product may cause mild to moderate irritation on damaged skin.

**Skin Sensitization:**

Not expected.

**Respiratory Sensitization:**

Not likely due to form of product.

**LD50/LC50:**

**Propylene Glycol (CAS 57-55-6)**

- Oral (rat): 2200mg/k
- Dermal: (rabbit) 20800 mg/k

**Glycerin (Mist):**

- Oral (rat): 12,600 mg/kg
- Subcutaneous (rat): Not Available

**Carcinogenicity:** Not classified as a human carcinogen by IARC or ACGIH.

**Reproductive Toxicity:**

**Mutagenic/Embryo Toxicity:** The components of this product are not reported to cause mutagenic or embryonic effects in humans.

**Teratogenicity:** Not available.

**Reproductive Toxicity:** Not available.

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### SECTION 12: ECOLOGICAL INFORMATION

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No specific information is currently available on the effect of this product on plants or animals in the environment. The product may be harmful to contaminated terrestrial and aquatic plant life in large quantities. The following aquatic toxicity data currently available for components of this product:

**Propylene Glycol:**

EC50 Green Algae (*Desmodesmus subspicatus*) 19000 mg/l 96 hours

EC50 Water Flea (*Daphnia magna*) 43500 mg/l 48 hours

LC 50 Fathead Minnow (*Pimephales promelas*) 46500 mg/l 96 hours

**Environmental Exposure Controls:** Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

No component of this product is known to have ozone depletion potential.



## SAFETY DATA SHEET

### SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Collect or dispose in sealed containers at licensed waste disposal site.  
Dispose in accordance with local, state and federal regulations.

### SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not regulated for Domestic Transport.  
IATA Classification: Not regulated for International Transport.  
IMDG Classification: Not regulated for International Water Transport.

### SECTION 15: REGULATORY INFORMATION

#### U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not regulated.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not listed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 304: Not regulated.

SARA 311/312 HAZARD CATEGORIES: Not regulated.

SARA 313 REPORTABLE INGREDIENTS: Not listed.

#### STATE REGULATIONS:

##### California Prop 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

##### New Jersey RTK:

Glycerin (CAS 56-81-5)

Propylene Glycol (CAS 57-55-6)

##### Massachusetts RTK:

Not Listed.

##### Pennsylvania RTK:

Propylene Glycol (CAS 57-55-6)

#### INTERNATIONAL REGULATIONS:

Country or Region	Inventory Name	Listed
Australia	Australia Inventory of Chemical Substances	No
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China:	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European List of Notified Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substance Control Act (TSCA) Inventory	No





## SAFETY DATA SHEET

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**Note:** A “Yes” indicates that all components comply with the inventory requirements administered by the governing country.  
A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country.

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### SECTION 16: OTHER INFORMATION

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**Issue Date:** 08-25-2015

**Version:** 02

**Disclaimer:**

The information provided in this Safety Data Sheet (SDS) is accurate to the best of our knowledge. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or processes.



## SAFETY DATA SHEET

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Identifier	#003
Product Name	Burn Jel
Product Use	Topical Skin Preparation
Manufacturer	Water Jel Technologies LLC 50 Broad Street Carlstadt, New Jersey 07072
Telephone	201-507-8300
E-mail Address	<a href="http://www.waterjel.com">www.waterjel.com</a>
Emergency Telephone	1-800-275-3433
FAX Number	201-507-8325
Issue Date:	08-25-2015

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### SECTION 2: HAZARDS IDENTIFICATION

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#### Emergency Overview:

This product is regulated by the US FDA as an over-the-counter, monograph drug.

For Consumers, consult the Drug Facts on the package for use directions and warnings information.

#### Warnings: For External Use Only.

When using this product, avoid contact with the eyes.

Do not use on large areas of the body or on broken, blistered or oozing skin.

Stop use and ask a doctor if condition worsens or symptoms persist for more than 7 days.

If swallowed, get medical help or contact a Poison Control Center immediately.

Physical Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.
Health Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.
Environmental Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.
OSHA Defined Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

#### Label Elements:

Hazard Symbol: None

Signal Word: None

Hazard Statement: The mixture does not meet the criteria for classification.

#### Precautionary Statement:

Prevention	None required according to OSHA Hazcom 2012.
Response	None required according to OSHA Hazcom 2012.
Storage	None required according to OSHA Hazcom 2012.
Disposal	None required according to OSHA Hazcom 2012.

#### Hazards not otherwise

Classified (HNOC): None known.

Supplemental Information: None.



## SAFETY DATA SHEET

### Route of Entry:

**Skin Contact:** May cause irritation, redness, inflammation or dryness.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Unlikely route of exposure.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical Name	Common Name and Synonyms	CAS Number	%
Lidocaine HCl	Lidocaine HCl	6108-05-0	2
Glycerin	1, 2, 3, Propanetriol	56-81-5	Proprietary
Triethanolamine	Trolamine	102-71-6	Proprietary
Propylene Glycol	1, 2, 3, Propanetriol 2-Hydroxypropanol	57-55-6	Proprietary

### SECTION 4: FIRST AID MEASURES

**Skin Contact:** Wash off with warm water and soap. Get medical attention if symptoms occur.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Unlikely route of exposure.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 5: FIRE-FIGHTING MEASURES

**Flammable:** No  
**Means of Extinction:** Use extinguishing media appropriate for surrounding fire. Use water spray, foam or dry chemical.  
In fires involving large quantities of this product, the use of large streams of water should be avoided.  
Use self-contained breathing apparatus when fighting fires that involve this material.  
**Flash Point and Method:** NA  
**Upper Flammable Limit (% by volume):** NA  
**Lower Flammable Limit (% by volume):** NA  
**Autoignition Temperature (°C):** NA  
**Explosion Data – Sensitivity to Impact:** No unusual fire or explosion hazards noted.  
**Explosion Data – Sensitivity to Static Discharge:** No unusual fire or explosion hazards noted.  
**Hazardous Combustion Products:** Carbon oxides. Nitrogen Oxides (NOx).

NFPA    Health 1                      Fire 0                      Reactivity 0                      Other NA



## SAFETY DATA SHEET

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions,  
Protective equipment and  
Emergency procedures: Wear appropriate personal protective equipment.

Methods and materials  
for containment  
and clean up:

Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.

Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental Precautions: Avoid discharge into drains and water sources.

### SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Keep this and other chemicals out of the reach of children.

Storage Temperature: Do not store or mix with strong acids or oxidizers. Store at room temperature.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Components	ACGIH-TLVs	OSHA-PELs	NIOSH	Form
Lidocaine HCl (CAS 6108-05-0)	NE	NE	NE	NE
Glycerin (CAS 57-55-8)	NE	5 mg/m3		Aerosol
Propylene Glycol (CAS 57-55-6)	10 mg/m3	NE	NE	Aerosol
Triethanolamine (CAS 102-71-6)	5 mg/m3	NE	NE	Aerosol

Biological Limit Values: No biological Exposure limits noted for the ingredients.

Ventilation and Engineering Controls: Ensure adequate ventilation.

Personal Protective Equipment: None required under normal conditions

Hand Protection: None required under normal conditions.

Eye and Face Protection: Eye protection, as necessary to prevent excessive contact.





## SAFETY DATA SHEET

Skin Protection: None required under normal conditions.

General Hygiene Considerations: Practice safe work habits.

Other Protective Equipment: Eye wash stations should be nearby and ready to use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gel.

Physical State: Gel.

Form: Gel.

Color: Opaque, white.

Odor: Medicinal scent.

pH: No information available.

Boiling Point: 212°F

Melting Point: No information available.

Flash Point: N/A

Explosive Properties: No information available.

Oxidizing Properties: No information available.

Specific Gravity: 0.997

Water Solubility: Soluble.

Partition Coefficient: No information available.

Viscosity: No information available.

Vapor Pressure (mm Hg): No information available.

Vapor Density (Air=1): No information available.

Evaporation Rate: No information available.

% Volatile: No information available.

### SECTION 10: STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use.

Chemical Stability: Stable at normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Extreme heat.

Materials to Avoid: Strong oxidants and strong acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

Symptoms of Overexposure by Route of Exposure:  
The health hazard information provided is for handling this product in an occupational setting.

Effects of Acute and Chronic Exposure:

**Acute:** The primary health effect that may be experienced in an occupational setting is mild irritation of contaminated skin. Accidental ingestion may be harmful. Although unlikely, irritation can irritate the respiratory system. Eye contact will cause irritation.

**Chronic:** NE

Target Organs: **Acute:** Occupational exposure: Skin, eyes.  
**Chronic:** Occupational exposure: Skin.



## SAFETY DATA SHEET

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### Inhalation:

Although unlikely due to form of product, vapors may slightly irritate the nose, throat and lungs. Symptoms are generally alleviated upon breathing fresh air.

### Skin Contact:

Skin contact may cause burning sensation, stinging, itching and tingling.

### Eye Contact:

Eye contact can cause irritation, stinging, redness and tearing.

### Ingestion:

Ingestion is not a significant route of occupational overexposure. Acute ingestion of large quantities of this product or chronic ingestion may cause adverse symptoms that may include nausea, vomiting and diarrhea.

### Irritancy of the Product:

This product may cause mild to moderate irritation on damaged skin.

### Skin Sensitization:

Not expected.

### Respiratory Sensitization:

Not likely due to form of product.

### LD50/LC50:

#### Propylene Glycol (CAS 57-55-6)

- Oral (rat): 2200mg/k
- Dermal: (rabbit) 20800 mg/k

#### Triethanolamine:

- Oral (rat): 6110 mg/kg
- Dermal: (rabbit): >19870 mg/k

#### Glycerin (Mist):

- Oral (rat): 12,600 mg/kg
- Subcutaneous (rat): Not Available

**Carcinogenicity:** Not classified as a human carcinogen by IARC or ACGIH.

### Reproductive Toxicity:

**Mutagenic/Embryo Toxicity:** The components of this product are not reported to cause mutagenic or embryonic effects in humans.

**Teratogenicity:** Not available.

**Reproductive Toxicity:** Not available.

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## SECTION 12: ECOLOGICAL INFORMATION

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No specific information is currently available on the effect of this product on plants or animals in the environment. The product may be harmful to contaminated terrestrial and aquatic plant life in large quantities. The following aquatic toxicity data currently available for components of this product:

### Propylene Glycol:

EC50 Green Algae (*Desmodesmus subspicatus*) 19000 mg/l 96 hours

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## SAFETY DATA SHEET

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EC50 Water Flea (*Daphnia magna*) 43500 mg/l 48 hours  
LC 50 Fathead Minnow (*Pimephales promelas*) 46500 mg/l 96 hours

Triethanolamine:

EC50 Green Algae (*Desmodesmus subspicatus*) 512 mg/l 72 hours  
NOEC Water Flea (*Daphnia magna*) 16 mg/l 21 days  
LC 50 Fathead Minnow (*Pimephales promelas*) 11800 mg/l 96 hours

Environmental Exposure Controls: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

No component of this product is known to have ozone depletion potential.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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Disposal Instructions: Collect or dispose in sealed containers at licensed waste disposal site.  
Dispose in accordance with local, state and federal regulations.

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### SECTION 14: TRANSPORT INFORMATION

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DOT Classification: Not regulated for Domestic Transport.  
IATA Classification: Not regulated for International Transport.  
IMDG Classification: Not regulated for International Water Transport.

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### SECTION 15: REGULATORY INFORMATION

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U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not regulated.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not listed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 304: Not regulated.

SARA 311/312 HAZARD CATEGORIES: Not regulated.

SARA 313 REPORTABLE INGREDIENTS: Not listed.

STATE REGULATIONS:

California Prop 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

New Jersey RTK:

Glycerin (CAS 56-81-5)  
Propylene Glycol (CAS 57-55-6)  
Triethanolamine (CAS 102-71-6)

Massachusetts RTK:

Triethanolamine (CAS 102-71-6)

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## SAFETY DATA SHEET

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Pennsylvania RTK:  
Propylene Glycol (CAS 57-55-6)  
Triethanolamine (CAS 102-71-6)

### INTERNATIONAL REGULATIONS:

Country or Region	Inventory Name	Listed
Australia	Australia Inventory of Chemical Substances	No
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China:	Inventory of Existing Chemical Substances In China (IECSC)	Yes
Europe	European List of Notified Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substance Control Act (TSCA) Inventory	No

Note: A "Yes" indicates that all components comply with the inventory requirements administered by the governing country.  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country.

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### SECTION 16: OTHER INFORMATION

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Issue Date: 08-25-2015

Version: 02

#### Disclaimer:

The information provided in this Safety Data Sheet (SDS) is accurate to the best of our knowledge. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or processes.



# MedTrade Products Limited

## Safety Data Sheet

### CELOX Haemostatic Granules on Gauze / Viscose / Rayon Sheet

#### 1. Identification

Product Name: CELOX Gauze  
CELOX Roll Gauze  
CELOX Z-Fold Gauze  
CELOX Rapid Gauze

Use of the Substance: Haemostat to control life-threatening bleeding

Manufacturer: MedTrade Products Limited  
Electra House  
Crewe Business Park  
Crewe  
Cheshire  
CW1 6GL

Telephone: + 44 (0) 1270 500019  
Fax: + 44 (0) 1270 500045

#### 2. Hazard Information

Specific Hazards: Granules Irritating to eyes and respiratory system.

In common with other textile materials there is a possibility of the fabric shedding small amounts of powder and nuisance dust.

**No health hazard is anticipated during normal handling of the product.**

Routes of Entry: Eye contact – Ingestion – Wounds.

Carcinogenic Status: Not considered carcinogenic by NTP, IARC and OSHA.

Skin contact (short and long term) This product is intended for skin contact.

Eye contact (short and long term) Irritation, blurred vision.

Inhalation (short and long term) May cause irritation of the mucus membranes.

Ingestion: This product is not considered toxic, but as with any material, may be harmful if ingested in large quantities. May cause choking hazard. Do not breathe dust.

### 3. **Composition / Information on Ingredients**

Product Group:	Haemostat on a Viscose Gauze Non-Woven Textile
Product Codes and Descriptions:	FG08834011 – CELOX Gauze 10ft Roll FG08838011 - CELOX Gauze 10ft Z-Fold FG08838013 – CELOX Gauze 5ft Z-Fold FG08839011 – CELOX Rapid
The haemostatic granules are made from Chitosan	
Chitosan CAS number:	9012-76-4

### 4. **First Aid measures**

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Ingestion:	Consult a physician. If conscious drink plenty of water. Never give anything by mouth to an unconscious person.
Protection of first-aiders:	Avoid contact with eyes.
Notes to physician:	Oxygen, if needed. Chitosan is also used as a dietary aid.

### 5. **Fire fighting measures**

Suitable extinguishing media:	Water, carbon dioxide (CO <sub>2</sub> ), foam, dry chemical.
Extinguishing media which Must not be used for safety reasons:	None.
Specific hazards:	When wet granules will form a viscous gel.  In common with most other textile materials, nonwoven fabrics are readily combustible when brought into contact with excessive heat or naked flame and

will produce gaseous products that are harmful and should not be inhaled, use positive pressure breathing apparatus. Thermoplastic materials, which include fabrics, and some packaging material, will melt at high temperatures. The molten material should not be allowed to contact the skin, to which it may adhere, thus causing localised burns.

Special protective equipment

For fire fighters:

In the event of fire, wear self contained positive pressure breathing apparatus.

Specific methods:

Standard procedure for chemical fire. Cool containers with water spray.

## **6. Accidental release measures**

Personal precautions:

Avoid contact with eyes and respiratory system

Environmental precautions:

On the basis of available information this product is not expected to produce any significant adverse environmental effects when recommended use instructions are followed. No specific measures necessary.

Methods for cleaning up:

Carefully sweep or vacuum and place into a container for disposal in accordance with local regulations.

## **7. Handling and storage**

Technical measures / Precautions: Avoid getting product wet.

Safe handling advice:

Storage of fabric does not constitute a fire hazard, but if involved in a fire it may emit smoke and toxic fumes.

Avoid contact with eyes and inhalation.

Technical measures /  
Storage conditions:

Keep tightly closed.

## 8. Exposure Controls / Personal protection

Engineering measures To reduce exposure:	Ensure adequate ventilation, especially in confined areas.
Exposure limit(s):	None.
Personal protection equipment:	None
Respiratory protection:	None
Hand protection:	Not normally required, but the use of light disposable gloves for protection is recommended in appropriate circumstances.
Eye protection:	Not normally required, however suitable goggles may be used.
Skin and body protection:	None
Hygiene measures:	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## 9. Physical and Chemical Properties

Form:	White Nonwoven Textile Material with Straw Coloured Granules on Both surfaces.
Vapour pressure (mm Hg):	Not determined
Specific gravity:	Not determined
Water solubility:	Viscose gauze base material is insoluble in water. Granules on the surface are swellable /absorbent
Percent volatile:	Not determined
Vapour density:	N/A
Evaporation rate:	Not determined
Odour:	Negligible
Viscosity:	N/A
Odour threshold:	Unknown
Boiling point:	N/A
Freezing point:	N/A
Molecular weight:	N/A (cross linked polymer)

## 10. Stability and Reactivity

Stability	Material is normally stable at moderately elevated temperatures and pressures
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## **11. Toxicological information**

Acute toxicity:	The product is considered non-toxic, when used in accordance with this information.
Irritation:	The product has passed the following laboratory tests; sensitisation, irritation, cytotoxicity, acute systemic toxicity.
Local effects:	Irritating to eyes. Inhalation may cause irritation of mucus membranes.
Skin contact:	May cause slight skin irritation.
Eye contact:	Eye irritation.

## **12. Ecological information**

No information available on the viscous gauze. The Celox Hemostatic granules are soluble and made out of Chitosan a natural product.

## **13. Disposal**

Contaminated packaging:	No special requirements. Dispose according to local guidelines.
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## **14. Transport Precautions**

Not classified as dangerous in the meaning of transport regulations.

## **15. Regulatory information**

Product has regulatory approval in Europe & USA as a Medical Device

## **16. Additional Information**

The safety data sheet has been prepared in accordance with EC Directive 2001/58/EC.

Revision 1, Dated 1-Apr-2014

**Whilst every care has been taken to be as accurate as possible, this Material Safety Data Sheet has been produced from information and data currently available to MedTrade Products Ltd at the date hereof; however MedTrade Products Ltd cannot be responsible for any errors or omissions. MedTrade Products Ltd provide no warranty with respect to this information and disclaims all liability associated with its use.**

# MedTrade Products Limited

## Safety Data Sheet

### CELOX Haemostatic Granules

#### 1. Identification of the Substance / Preparation and the Company

Product Name: CELOX  
CELOX Haemostatic Granules

Use of the Substance: Haemostat to control life threatening bleeding

Manufacturer: MedTrade Products Limited  
Electra House  
Crewe Business Park  
Crewe  
Cheshire  
CW1 6GL

Telephone: + 44 (0) 1270 500019  
Fax: + 44 (0) 1270 500015

#### 2. Hazard(s) Identification

Specific Hazards: Irritating to eyes and respiratory system.  
No health hazard is anticipated during normal handling of the product.

Routes of Entry: Eye contact – ingestion – wounds.

Carcinogenic Status: Not considered carcinogenic by NTP, IARC and OSHA.

Skin contact (short and long term) This product is intended for skin contact.  
Eye contact (short and long term) Irritation, blurred vision.

Inhalation (short and long term) May cause irritation of the mucus membranes.

Ingestion: This product is not considered toxic, but as with any material, may be harmful if ingested in large quantities. May cause choking hazard. Do not breathe dust.

### 3. **Composition / Information on Ingredients**

Product Group: Haemostats

Product Codes and Descriptions: BP09930020

The product is made from Chitosan which is a deacetylated version of Chitin (obtained from shrimp shells).

Chitosan CAS number: 9012-76-4

### 4. **First Aid measures**

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Ingestion: Consult a physician. If conscious drink plenty of water. Never give anything by mouth to an unconscious person.

Protection of first-aiders: Avoid contact with eyes.

Notes to physician: Oxygen, if needed. Base product is also used as a dietary aid.

### 5. **Fire fighting measures**

Suitable extinguishing media: Water, carbon dioxide (CO<sub>2</sub>), foam, dry chemical.

Extinguishing media which  
Must not be used for safety  
reasons: None.

Specific hazards: When wet granules will form a viscous gel.

Special protective equipment  
For fire fighters: In the event of fire, wear self contained breathing apparatus.

Specific methods: Standard procedure for chemical fire.  
Cool containers with water spray.

## **6. Accidental release measures**

Personal precautions:	Avoid contact with eyes and respiratory system.
Environmental precautions:	No specific measures necessary.
Methods for cleaning up:	Carefully sweep up and dispose of in accordance with local regulations.

## **7. Handling and storage**

Technical measures / Precautions:	Avoid getting product wet.
Safe handling advice:	Avoid contact with eyes and inhalation.
Technical measures / Storage conditions:	Keep package tightly closed.

## **8. Exposure Controls / Personal protection**

Engineering measures To reduce exposure:	Insure adequate ventilation, especially in confined areas.
Exposure limit(s):	None.
Personal protection equipment:	None.
Respiratory protection:	None.
Hand protection:	Not normally required, but the use of light disposable gloves for protection is recommended in appropriate circumstances.
Eye protection:	Not normally required, however suitable goggles may be used.
Skin and body protection:	None.
Hygiene measures:	When using do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.



## 9. **Physical and Chemical Properties**

Form:	Granules
Vapour pressure (mm Hg):	Not determined
Specific gravity:	Not determined
Water solubility:	Swellable/absorbent
Percent volatile:	Not determined
Vapour density:	N/A
Evaporation rate:	Not determined
Odour:	Negligible
Viscosity:	N/A
Odour threshold:	Unknown
Boiling point:	N/A
Freezing point:	N/A
Molecular weight:	N/A (cross linked polymer)

## 10. **Stability and Reactivity**

Stability	Material is normally stable at moderately elevated temperatures and pressures
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## 11. **Toxicological information**

Acute toxicity:	The product is considered non-toxic.
Irritation:	The product has passed the following laboratory tests; sensitisation, irritation, cytotoxicity, acute systemic toxicity.
Local effects:	Irritating to eyes. Inhalation may cause irritation of mucus membranes.
Skin contact:	May cause slight skin irritation.
Eye contact:	Eye irritation.

## 12. **Ecological information**

Mobility:	Soluble.
Further information:	Base material is a natural product.

## 13. **Disposal**

Contaminated packaging:	No special requirements. Dispose according to local guidelines.
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## 14. **Transport Precautions**

Not classified as dangerous in the meaning of transport regulations.
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**15. Regulatory information**

Product has regulatory approval in Europe & the USA as a Medical Device.

**16. Additional Information**

The safety data sheet has been prepared in accordance with EC Directive 2001/58/EC.

Revision 1 Dated 1-Apr-14.

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# SAFETY DATA SHEET

**Diphenhydramine Hydrochloride Injection, USP**

## Section 1. Identification

**GHS product identifier** : Diphenhydramine Hydrochloride Injection, USP**Synonyms** : None.**Product code** : NDC 0641-0376-25, NDC 0641-0376-21**Chemical family** : Antihistaminic agent.**Product type** : Regulated prescription drug.**Container information** : 1 ml vials.**Relevant identified uses of the substance or mixture and uses advised against**

Pharmaceuticals.

**Supplier's details** : WEST-WARD PHARMACEUTICALS  
EATONTOWN, NJ 07724**Emergency telephone number (with hours of operation)** : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3877

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.**Classification of the substance or mixture** : Not classified.**GHS label elements****Signal word** : No signal word.**Hazard statements** : No known significant effects or critical hazards.**Precautionary statements****Prevention** : Not applicable.**Response** : Not applicable.**Storage** : Not applicable.**Disposal** : Not applicable.**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture**Other means of identification** : None.**CAS number/other identifiers**

## Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Water	60 - 100	7732-18-5
Diphenhydramine Hydrochloride	1 - 5	147-24-0
Benzethonium Chloride	0 - 0.1	121-54-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)



## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
halogenated compounds

**Special protective actions for fire-fighters** : No special protection is required.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

## Section 7. Handling and storage

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

- Appropriate engineering controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- Respiratory protection** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

Physical state	: Liquid. [Aqueous solution.]
Color	: Colorless.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 4 to 6.5
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not applicable.
Burning time	: Not applicable.
Burning rate	: Not applicable.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility	: Not available.
Solubility in water	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
SADT	: Not available.
Viscosity	: Not available.

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Diphenhydramine Hydrochloride	LD50 Oral	Rat	500 mg/kg	-

#### Irritation/Corrosion

There is no data available.

#### Sensitization

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

There is no data available.

#### Reproductive toxicity

There is no data available.

#### Teratogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

## Section 11. Toxicological information

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	10000 mg/kg

## Section 12. Ecological information

### Toxicity

There is no data available.

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

There is no data available.

### Mobility in soil

**Soil/water partition coefficient ( $K_{oc}$ )** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



## Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

**AERG** : Not applicable.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** Not determined.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

## Section 15. Regulatory information

**Classification** : Not applicable.

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Diphenhydramine Hydrochloride	1 - 5	No.	No.	No.	Yes.	No.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

### California Prop. 65

No products were found.

### International regulations

**International lists** :

- Australia inventory (AICS)**: All components are listed or exempted.
- China inventory (IECSC)**: Not determined.
- Japan inventory**: All components are listed or exempted.
- Korea inventory**: Not determined.
- Malaysia Inventory (EHS Register)**: Not determined.
- New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.
- Philippines inventory (PICCS)**: Not determined.
- Taiwan inventory (CSNN)**: Not determined.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## Section 16. Other information

### History

**Date of issue mm/dd/yyyy** : 06/15/2013

**Version** : 1

**Revised Section(s)** : Not applicable.

**Prepared by** : KMK Regulatory Services Inc.

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

## Section 16. Other information

UN = United Nations

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# Safety Data Sheet

Issuing date: 02/18/2015

Revision date:

02/08/2017

Revision number:

01

## 1. Identification of the substance/preparation and the company/undertaking

### GHS product identifier

Product name: Diphenhydramine HCl Oral Solution USP

### Other mean of identification

Product code(s): 0121-0489-05, 0121-0489-10, 0121-0489-20, 0121-0489-00, 0121-0978-10, 0121-0978-00

UN-Number: NA

Synonyms: Compare to Benadryl®

### Recommended use of the chemical and restrictions on use

Recommended use: Pharmaceutical product used as antihistamine sedative

Uses advised against: Do not use except as prescribed.

### Supplier address/information

Pharmaceutical Associates, Inc.  
201 Delaware Street  
Greenville, SC 29605 (864) 277 -7282

Emergency telephone number: CHEMTREC 800.424.9300

## 2. Hazards Identification

### Classification

This product is a mixture and is a pharmaceutical product. It is considered non-Hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Chemical family: Mixture

Statement of Hazard: May be harmful if swallowed.

### Additional Hazard Information:

#### Short term:

May cause central nervous system effects. Not an eye irritant, Not a skin irritant or skin sensitizer, based on components.

#### Long term:

Not available.

### Known Clinical Effects:

Therapeutic use of this substance has resulted in drowsiness, sleepiness, dizziness, sedation, ataxia, confusion, and gastrointestinal disturbances. Higher doses may cause CNS stimulation and/or depression, and impairment of motor and cognitive skills.

EU Indication of danger: Not classified.

### Emergency overview

Seek medical attention in case of accidental exposure or overdose. The product is generally safe when used as prescribed.

Note: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the active substance or its intermediates regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential of exposure in your workplace.

# Safety Data Sheet

Issuing date: 02/18/2015

Revision date:

02/08/2017

Revision number:

01

## Precautionary statements

General advice: Seek medical attention in case of accidental exposure or overdose.

Eyes: Avoid contact with eyes.

Skin Contact: Avoid skin contact.

Inhalation: Not intended for inhalation.

Ingestion: Generally safe at recommended doses. In case of overdose, seek medical attention immediately.

Storage: There are no special storage conditions for safety. For product integrity, store under conditions specified on the label.

Disposal: Dispose of in accordance with applicable laws and regulations.

## 3. Composition/Information on ingredients

Chemical name	CAS-No	Mg/mL	Trade Secret
Diphenhydramine HCl	147-24-0	12.5 mg/5 mL	
Alcohol 190 Proof	Mixture 64-17-5 (200 proof)	14% v/v	
Sucrose	57-50-1		X
Sodium Citrate Dihydrate	6132-04-3		X
Citric Acid Anhydrous	77-92-9		X
Anise Flavor	Mixture		X
Cinnamon Oil	8007-80-5		X
D&C Red No. 33	3567-66-6		X
FD&C Red No.40	25956-17-6		X

## 4. First aid measures

### Description of necessary first-aid measures

Eye contact:  
Flush with running water for 15 minutes holding eyelids open. Contact medical personnel if irritation persists.

Skin contact:  
Wash contaminated area thoroughly. If irritation persists, contact medical personnel.

Inhalation:  
Remove to fresh air and contact medical personnel.



# Safety Data Sheet

Issuing date: 02/18/2015

Revision date:

02/08/2017

Revision number:

01

## Ingestion:

Overdosage or accidental ingestion –If vomiting has not occurred spontaneously, the patient should be induced to vomit. This is best done by having the patient drink a glass of water or milk, after which he should be made to gag. Precaution against aspiration must be taken. Contact medical personnel or poison control center.

## Most important symptoms/effects, acute and delayed

Overdosage reactions may vary from central nervous system depression to stimulation. Stimulation is particularly likely in pediatric patients. Atropine-like signs and symptoms, dry mouth; fixed, dilated pupils; flushing and gastrointestinal symptoms may also occur.

## Indication of immediate medical attention and special treatment needed, if necessary

NA

Notes to Physician: NA

## 5. Fire-fighting measures

### Suitable extinguishing media:

Use carbon dioxide, dry chemical or water spray.

### Specific hazards arising from the chemical

Not applicable

### Explosion data:

Not applicable

### Protective equipment and precautions for firefighters

During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Personnel involved in clean-up should wear appropriate personal protective equipment (See Section 8). Minimize exposure.

### Environmental precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

### Methods and materials for containment and cleaning up

- Methods for containment:
- Methods for cleaning up:

Isolate area around spill as specified by site procedures.  
Absorb the liquid with suitable material. Dispose of spill material in accordance with applicable federal, state or local regulations.

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## 7. Handling and storage

### Precautions for safe handling

Handling:

No special handling required for hazard control under conditions of normal product use.

### Conditions for safe storage, including any incompatibilities

Storage:

No special storage required for hazard control. For product protection, follow storage recommendations on the case label, primary product label and insert.

Incompatible products:

As a precautionary measure, keep away from strong oxidizers.

## 8. Exposure controls/personal protection

### Control parameters

Exposure guidelines: The exposure guidelines listed below are for the individual components and not the product itself.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diphenhydramine	Not available	0.15 µg/m <sup>3</sup> (OEL)	Not available
Ethanol	Not available	1900 mg/m <sup>3</sup> TWA	1000 ppm TWA
Sucrose	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> TWA
Sodium Citrate Dihydrate	Not available	Not available	Not available
Citric Acid Anhydrous	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA	Not Available
Anise Flavor	Not available	Not available	Not available
Cinnamon Oil	Not available	Not available	Not available
D&C Red No. 33	Not available	Not available	Not available
FD&C Red No.	Not available	Not available	Not available

### Appropriate engineering controls

Engineering measures:

Engineering controls should be used to limit exposure.

### Individual protection measures, such as personal protective equipment

Eye/face protection:

Not required under normal conditions of use. Wear safety glasses or goggles if eye contact is possible.

Skin and body protection:

Not required under normal conditions of use. Wear protective clothing when working with large quantities.

Respiratory protection:

Not required under normal use of the product. If the applicable PEL (Permissible Exposure Limit) is exceeded use an appropriate respirator.

Hygiene measures:

Wash hands thoroughly after use.

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## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: Solution  
Odor: Cinnamon, Anise  
Appearance: Clear red  
Odor threshold: Not available

Property	Values	Remarks/Method
pH	4.8 – 5.8	Current USP
Melting point/range	Not applicable	
Boiling point/boiling range	Not available	
Flash point	Not applicable	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not applicable	
Flammability limits in air	Not applicable	
-upper flammability limit	Not applicable	
-lower flammability limit	Not applicable	
Vapor pressure	Not applicable	
Vapor density	Not applicable	
Specific gravity	1.2	Current USP
Water solubility	Not applicable	
Solubility in other solvents	Not applicable	
Partition coefficient: n-octanol/water	Not applicable	
Autoignition temperature	Not applicable	
Decomposition temperature	Not applicable	
Viscosity	Not available	
Flammable properties	Not applicable	
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	

### Other information

VOC content (%) Alcohol 14%

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## 10. Stability and reactivity

Reactivity	Stable at normal conditions
Chemical stability	Stable at normal conditions
Possibility of hazardous reactions	Stable at normal conditions
Conditions to avoid	None known
Incompatible materials	As a precautionary measure, keep away from strong oxidizers.
Hazardous decomposition products	None known

## 11. Toxicological information

### Information on likely routes of exposure

#### Product information:

- Inhalation: Not Available
- Eye contact: Not Available
- Skin contact: Not Available
- Ingestion: Not Available

The information included in this section, below, describes the potential hazards of the individual ingredients.

Chemical name	LD50 oral	LD50 dermal	LC50 inhalation
Diphenhydramine	500 mg/kg Rat	Not Available	Not Available
Ethanol	3632 mg/kg Rat	Not Available	20000 ppm 10h Rat
Sucrose	29700 mg/kg Rat	Not Available	Not Available
Sodium Citrate Dihydrate	Not Available	Not Available	Not Available
Citric Acid Anhydrous	5400 mg/kg Rat	>2000 mg/kg Rat	Not Available
Anise Flavor	Not Available	Not Available	Not Available
Cinnamon Oil	2000 mg/kg Rat	320 mg/kg Rabbit	Not Available
D&C Red No. 33	Not Available	Not Available	Not Available
FD&C Red No.40	>10000mg/kg Rat	>10000 mg/kg Rabbit	Not Available

### Symptoms related to the physical, chemical and toxicological characteristics

Therapeutic use of this substance has resulted in drowsiness, sleepiness, dizziness, sedation, ataxia, confusion, and gastrointestinal disturbances. Higher doses may cause CNS stimulation and/or depression, and impairment of motor and cognitive skills.

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## Delayed and immediate effects and also chronic effects from short and long term exposure

- Sensitization: Eye and Skin (Diphenhydramine)
- Mutagenic effects: Bacterial mutagenicity (Ames) Negative (Diphenhydramine)
- Carcinogenicity: Not carcinogenic
- Reproductive toxicity: Maternal Toxicity, Fetotoxicity (Diphenhydramine)
- STOT – single exposure: Narcotic effects (Diphenhydramine)
- STOT – repeated exposure: No data available
- Aspiration hazard: No data available

## Numerical measures of toxicity – product

- No data available

## 12. Ecological information

**Ecotoxicity** Environmental properties for this product have not been thoroughly evaluated. Releases to the environment should be avoided.

### Persistence and Degradability

No data available

### Bioaccumulation

No data available

### Other adverse effects:

No data available

The following table lists the data for the individual components, if available.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to micro-organisms	Daphnia Magna (water flea)
Diphenhydramine	Not Available	Not Available	Not Available	Not Available
Ethanol	Not Available	Not Available	Not Available	Not Available
Sucrose	Not Available	Not Available	Not Available	Not Available
Sodium Citrate Dihydrate	Not Available	Not Available	Not Available	Not Available
Citric Acid Anhydrous	Not Available	440 mg/L 48 hr. Leuciscus idus melanotus	Not Available	1535 mg/L 24 hr.
Anise Flavor	Not Available	Not Available	Not Available	Not Available
Cinnamon Oil	Not Available	Not Available	Not Available	Not Available
D&C Red No. 33	Not Available	Not Available	Not Available	Not Available
FD&C Red No.40	Not Available	Not Available	Not Available	Not Available

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## 13. Disposal considerations

### Waste disposal methods

Dispose of waste in accordance with all federal, state and local regulations.

### Contaminated packaging

Dispose of waste in accordance with all federal, state and local regulations.

## 14. Transport information

**Notes:** Not regulated for transport under USDOT, IATA, TDG, IMDG or other regulations.

## 15. Regulatory information

### International inventories

#### EINECS:

This product contains Diphenhydramine HCl, Ethanol 200 proof, Sucrose, Sodium Citrate Dihydrate, Citric Acid, FD&C Red No. 40 and D&C Red No. 33 which are listed in the EINECS.

#### IECSC:

Not Listed

### Legend

#### TSCA:

United States Toxic Substances Control Act 8(b) inventory not applicable for product. The product contains Ethanol, Citric Acid, Sucrose and FD&C Red No. 40 which are listed on the TSCA inventory.

### U.S. Federal regulations

Not Available

### OSHA Label:

Not Available

### SARA 311/312 Hazard categories

Not Applicable

### Clean Water Act

This product **does not** contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### CERCLA

No components are listed under CERCLA.

### California Proposition 65:

This product does contain Ethanol which are listed as a Proposition 65 chemical as developmental toxicity.



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## U.S. state Right-to-Know regulations

"X" designates that the ingredients are listed on the state Right-to-Know list

Chemical name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Diphenhydramine					
Ethanol 200 Proof	X	X	X	X	X
Sucrose	X	X	X		X
Sodium Citrate Dihydrate	X		X		
Citric Acid	X		X		
Anise Flavor					
Cinnamon Oil	X	X	X		
FD&C Red No. 40					
D&C Red No. 33					

U.S. EPA label information Not applicable

## 16. Other information

Prepared by:

Regulatory Affairs

Issuing date:

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Revision date:

02/08/2017

Revision note:

01

Added NDC Numbers 0121-0489-00, 0121-0978-10, 0121-0978-00

Corrected Section 5, Specific Hazards to say "Not Applicable"

### General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**

## SAFETY DATA SHEET

1. **Identification**

**Product Identifier:** Ophthalmic Solution Eyewash

**Synonyms:** Dihydrogen Oxide

**National Drug Code (NDC):** 17478-620-04

**Recommended Use:** Pharmaceutical.

**Company:** Akorn, Inc.  
1925 West Field Court, Suite 300  
Lake Forest, Illinois 60045

**Contact Telephone:** 1-800-932-5676

**E mail:** customer.service@akorn.com

**Emergency Phone Number:** CHEMTREC 1-800-424-9300 (U.S. and Canada)

2. **Hazard(s) Identification**

**Physical Hazards:** Not classifiable.

**Health Hazards:** Not classifiable.

**Symbol(s):** None.

**Signal Word:** None.

**Hazard Statement(s):** None.

**Precautionary Statement(s):** None.

**Hazards Not Otherwise Classified:** Not classifiable.

**Supplementary Information:** While this material is not classifiable as hazardous under the OSHA standard, this SDS contains valuable information critical to safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

3. **Composition/Information on Ingredients**

Chemical Name	CAS Number	Synonyms	Chemical Formula	Molecular Weight	Percentage
Purified Water	7732-18-5	Dihydrogen Oxide	H <sub>2</sub> O	18.02	98.3%

\*The formula also contains Boric Acid, Sodium Borate, and Sodium Chloride.

**4. First Aid Measures****Ingestion:**

If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth with water. If swallowed, seek medical advice immediately and show the container or label. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Eye Contact:**

Remove from source of exposure. Flush with copious amounts of water for at least 15 minutes. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary. Ensure that medical personnel are aware of the material(s) involved and are aware of precautions to protect themselves.

**Skin Contact:**

Remove from source of exposure. Remove and isolate contaminated clothing and shoes. Flush with copious amounts of water for at least 20 minutes. Use soap. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary. Ensure that medical personnel are aware of the material(s) involved and are aware of precautions to protect themselves.

**Inhalation:**

Remove from source of exposure. Move individual(s) to fresh air. Give artificial respiration if individual(s) are not breathing and call emergency medical service. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary. Ensure that medical personnel are aware of the material(s) involved and are aware of precautions to protect themselves.

**Protection of First-Aiders:**

Use personal protective equipment (see section 8).

**Signs and Symptoms:**

Solution is not considered hazardous under normal conditions.

**Medical Conditions Aggravated by Exposure:**

Not determined.

**Notes to Physician:**

In the unlikely event of rapid ingestions of large volumes of the solution, induce vomiting and observe the patient for gastric irritation.

**5. Firefighting Measures****Suitable Extinguishing Media:**

This is a non-flammable aqueous solution.

**Unsuitable Extinguishing Media:**

Not determined.

## SDS: Ophthalmic Solution Eyewash

### Specific Hazards Arising from the Chemical:

**Hazardous Combustion Products:** Not determined.

**Other Specific Hazards:** Not determined.

**Special Protective Equipment/  
Precautions for Firefighters:** Wear self-contained breathing apparatus and full and protective gear.

### 6. Accidental Release Measures

**Personal Precautions:** Use personal protective equipment recommended in Section 8 of this document and isolate the hazard area.

**Personal Protective Equipment:** For personal protection see section 8.

**Methods for Cleaning Up:** Mop up and/or flush area with water. The solution is not RCRA hazardous waste.

**Environmental Precautions:** No data available.

**Reference to Other Sections:** Refer to Sections 8, 12 and 13 for further information.

### 7. Handling and Storage

**Precautions for Safe Handling:** Handle in accordance with product label and/or product insert information. Handle in accordance with good industrial hygiene and safety practices.

**Conditions for Safe Storage,  
Including Any Incompatibilities:** Do not freeze or expose to temperatures in excess of 110°F (43°C) for extended period. Store according to label and/or product insert information.

**Specific End Use:** Pharmaceuticals.

### 8. Exposure Controls/Personal Protection

#### **Occupational Exposure Guidelines:**

Common or Chemical Name	Employee Exposure Limits
Boric Acid	STEL 6 mg/m <sup>3</sup>

**Engineering Controls:** Not required for the normal use of this product. Engineering controls should be used as the primary means to control exposures.

**Respiratory Protection:** Not required for the normal use of this product. Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

## SDS: Ophthalmic Solution Eyewash

<b>Eyes Protection:</b>	Not required for the normal use of this product. Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.
<b>Hand Protection:</b>	Not required for the normal use of this product. Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic non-latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.
<b>Skin Protection:</b>	Not required for the normal use of this product. Wear protective laboratory coat, apron, or disposable garment when working with large quantities.

### 9. Physical and Chemical Properties

<b>Physical State/Color:</b>	Clear, colorless liquid.
<b>Odor:</b>	Odorless.
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Freezing Point:</b>	No data available.
<b>Boiling Point:</b>	200° (93.3°C).
<b>Flash Point:</b>	No data available.
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Lower:</b>	No data available.
<b>Flammability Limit - Upper:</b>	No data available.
<b>Vapor Pressure:</b>	760.
<b>Vapor Density:</b>	No data available.
<b>Relative Density:</b>	No data available.
<b>Solubility(ies):</b>	Miscible in water.
<b>Partition Coefficient (n-octanol/water):</b>	No data available.
<b>Auto-Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

### 10. Stability and Reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	No data available.
<b>Conditions to Avoid (e.g., static discharge, shock, or vibration):</b>	None.

## SDS: Ophthalmic Solution Eyewash

**Incompatible Materials:** None.

**Hazardous Decomposition Products:** None.

### 11. Toxicological Information

#### Information on the Likely Routes of Exposure:

**Inhalation:** Product has no effect.

**Ingestion:** May cause stomach discomfort if ingested.

**Skin Contact:** Product has no effect.

**Eye Contact:** Product is intended for use in the ocular area.

#### **Symptoms Related to the Physical, Chemical and Toxicological Characteristics:**

See Section 4. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

#### **Delayed and Immediate Effects of Exposure:**

No data available.

**Acute Toxicity – Oral:**

No data available.

**Acute Toxicity – Dermal:**

No data available.

**Acute Toxicity – Inhalation:**

No data available.

**Corrosivity:**

No data available.

**Dermal Irritation:**

No data available.

**Eye Irritation:**

No data available.

**Sensitization:**

No data available.

**Toxicokinetics/Metabolism:**

No data available.

**Target Organ Effects:**

No data available.

**Reproductive Effects:**

No data available.

**Carcinogenicity:**

No data available.

National Toxicology Program (NTP):

Not considered to be a carcinogen.

International Agency for Research on Cancer (IARC):

Not considered to be a carcinogen.

Occupational Safety and Health Administration (OSHA):

Not considered to be a carcinogen.

**Mutagenicity:**

No data available.

**Aspiration Hazard:**

No data available.

#### **Chronic Effects:**

Ingestion of volumes in excess of 20 liters may cause gastric irritation.



**12. Ecological Information****Ecotoxicity**

<b>Aquatic:</b>	No data available.
<b>Terrestrial:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>Mobility in Environment:</b>	No data available.
<b>Other Adverse Effects:</b>	No data available.

**13. Disposal Considerations**

Dispose of all waste in accordance with Federal, State and Local regulations.

**14. Transport Information**

<b>UN Number:</b>	Not applicable.
<b>UN Proper Shipping Name:</b>	Not applicable.
<b>Transport Hazard Class(es):</b>	Not applicable.
<b>Packing Group:</b>	Not applicable.
<b>Department of Transportation:</b>	Not regulated as a hazardous material.
<b>International Air Transport Association (IATA):</b>	Not regulated as a dangerous good.
<b>International Maritime Dangerous Good (IMDG):</b>	Not regulated as a dangerous good.

**15. Regulatory Information****US Federal Regulations:**

<b>Toxic Substance Control Act (TSCA):</b>	Not listed.
<b>CERCLA Hazardous Substance and Reportable Quantity:</b>	Not listed.
<b>SARA 313:</b>	Not listed.
<b>SARA 302:</b>	Not listed.

**State Regulations**

<b>Massachusetts:</b>	Not listed.
<b>New Jersey:</b>	Not listed.
<b>Pennsylvania:</b>	Not listed.
<b>California Proposition 65:</b>	Not listed.

**16. Other Information****NFPA Rating:**

Health:	1
Flammability:	0
Reactivity:	0

**Revision Date:** 05/19/2015**Revision Number:** 0

**Disclaimer:** This document is generated to distribute health, safety and environmental data. It is not a specification sheet and none of the displayed data should be construed as a specification. Information on this SDS sheet was obtained from sources which we believe are reliable, and we believe that the information is complete and accurate. However, the information is provided without any warranty, express or implied, regarding its correctness. Some of the information presented and conclusions drawn are from sources other than direct test data of the substance. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may also be beyond our knowledge. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. If the product is used as a component in another product, this SDS information may not be applicable. For these reasons, we do not assume any responsibility and expressly disclaim liability for any loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.



## SAFETY DATA SHEET

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Identifier	#007
Product Name	First Aid Burn Cream
Product Use	Topical Antiseptic and Analgesic Skin Cream
Manufacturer	Water Jel Technologies LLC 50 Broad Street Carlstadt, New Jersey 07072
Telephone	201-507-8300
E-mail Address	<a href="http://www.waterjel.com">www.waterjel.com</a>
Emergency Telephone	1-800-275-3433
FAX Number	201-507-8325
Issue Date:	08-25-2015

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### SECTION 2: HAZARDS IDENTIFICATION

---

#### Emergency Overview:

This product is regulated by the US FDA as an over-the-counter, monograph drug.

For Consumers, consult the Drug Facts on the package for use directions and warnings information.

#### Warnings: For External Use Only.

When using this product, avoid contact with the eyes.

Do not use on large areas of the body or on broken, blistered or oozing skin.

Stop use and ask a doctor if condition worsens or symptoms persist for more than 7 days.

If swallowed, get medical help or contact a Poison Control Center immediately.

Physical Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.
Health Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.
Environmental Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.
OSHA Defined Hazards:	This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

#### Label Elements:

Hazard Symbol: None

Signal Word: None

Hazard Statement: The mixture does not meet the criteria for classification.

#### Precautionary Statement:

Prevention	None required according to OSHA Hazcom 2012.
Response	None required according to OSHA Hazcom 2012.
Storage	None required according to OSHA Hazcom 2012.
Disposal	None required according to OSHA Hazcom 2012.

#### Hazards not otherwise

Classified (HNOC): None known.

Supplemental Information: None.



## SAFETY DATA SHEET

### Route of Entry:

**Skin Contact:** May cause irritation, redness, inflammation or dryness.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Not expected due to form.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical Name	Common Name and Synonyms	CAS Number	%
Benzalkonium Chloride		63449-41-2	0.13
Lidocaine HCl		6108-05-0	0.5
Glycerin	1, 2, 3, Propanetriol	56-81-5	Proprietary
Triethanolamine	Trolamine	102-71-6	Proprietary
Propylene Glycol	1, 2, 3, Propanetriol 2-Hydroxypropanol	57-55-6	Proprietary

### SECTION 4: FIRST AID MEASURES

**Skin Contact:** Wash off with warm water and soap. Get medical attention if symptoms occur.  
**Skin Absorption:** No adverse conditions expected.  
**Eye Contact:** Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.  
**Inhalation:** Remove victim to fresh air.  
**Ingestion:** May cause irritation of the digestive tract.

### SECTION 5: FIRE-FIGHTING MEASURES

**Flammable:** No  
**Means of Extinction:** Use extinguishing media appropriate for surrounding fire. Use water spray, foam or dry chemical.  
In fires involving large quantities of this product, the use of large streams of water should be avoided.  
Use self-contained breathing apparatus when fighting fires that involve this material.  
**Flash Point and Method:** NA  
**Upper Flammable Limit (% by volume):** NA  
**Lower Flammable Limit (% by volume):** NA  
**Autoignition Temperature (°C):** NA  
**Explosion Data – Sensitivity to Impact:** No unusual fire or explosion hazards noted.  
**Explosion Data – Sensitivity to Static Discharge:** No unusual fire or explosion hazards noted.  
**Hazardous Combustion Products:** Carbon oxides. Nitrogen Oxides (NOx).

**NFPA**    Health 1              Fire 0              Reactivity 0              Other NA



## SAFETY DATA SHEET

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions,  
Protective equipment and  
Emergency procedures: Wear appropriate personal protective equipment.

Methods and materials  
for containment  
and clean up:

Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.

Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental Precautions: Avoid discharge into drains and water sources.

### SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Keep this and other chemicals out of the reach of children.

Storage Temperature: Do not store or mix with strong acids or oxidizers. Store at room temperature.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Components	ACGIH-TLVs	OSHA-PELs	NIOSH	Form
Glycerin (CAS 57-55-8)	NE	5 mg/m3		Aerosol
Propylene Glycol (CAS 57-55-6)	10 mg/m3	NE	NE	Aerosol
Triethanolamine (CAS 102-71-6)	5 mg/m3	NE	NE	Aerosol

Biological Limit Values: No biological Exposure limits noted for the ingredients.

Ventilation and Engineering Controls: Ensure adequate ventilation.

Personal Protective Equipment:  
Hand Protection: None required under normal conditions.  
Eye and Face Protection: None required under normal conditions.  
Skin Protection: Eye protection, as necessary to prevent excessive contact.  
None required under normal conditions.

General Hygiene Considerations: Practice safe work habits.  
Other Protective Equipment: Eye wash stations should be nearby and ready to use.



## SAFETY DATA SHEET

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance: Cream.  
Physical State: Cream.  
Form: Cream.  
Color: White, homogeneous.  
Odor: Slightly fatty odor.

pH: No information available.  
Boiling Point: 275°F  
Melting Point: No information available.  
Flash Point: N/A  
Explosive Properties: No information available.  
Oxidizing Properties: No information available.  
Specific Gravity: 0.81  
Water Solubility: Miscible.  
Partition Coefficient: No information available.  
Viscosity: No information available.  
Vapor Pressure (mm Hg): No information available.  
Vapor Density (Air=1): No information available.  
Evaporation Rate: No information available.  
% Volatile: No information available.

---

### SECTION 10: STABILITY AND REACTIVITY

---

Reactivity: The product is stable and non-reactive under normal conditions of use.  
Chemical Stability: Stable at normal conditions.  
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.  
Conditions to Avoid: Extreme heat.  
Materials to Avoid: Strong oxidants and strong acids.  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.  
Hazardous Polymerization: Will not occur.

---

### SECTION 11: TOXICOLOGICAL INFORMATION

---

Symptoms of Overexposure by Route of Exposure:  
The health hazard information provided is for handling this product in an occupational setting.

Effects of Acute and Chronic Exposure:

**Acute:** The primary health effect that may be experienced in an occupational setting is mild irritation of contaminated skin. Accidental ingestion may be harmful. Although unlikely, irritation can irritate the respiratory system. Eye contact will cause irritation.

**Chronic:** NE

Target Organs: **Acute:** Occupational exposure: Skin, eyes.  
**Chronic:** Occupational exposure: Skin.

Inhalation:  
Mist may slightly irritate the nose, throat and lungs. Symptoms are generally alleviated upon breathing fresh air.





## SAFETY DATA SHEET

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**Skin Contact:**

Skin contact may cause burning sensation, stinging, itching and tingling.

**Eye Contact:**

Eye contact can cause irritation, stinging, redness and tearing.

**Ingestion:**

Ingestion is not a significant route of occupational overexposure. Acute ingestion of large quantities of this product or chronic ingestion may cause adverse symptoms that may include nausea, vomiting and diarrhea.

**Irritancy of the Product:**

This product may cause mild to moderate irritation on damaged skin.

**Skin Sensitization:**

Not expected.

**Respiratory Sensitization:**

Not expected.

**LD50/LC50:**

**Propylene Glycol (CAS 57-55-6)**

- Oral (rat): 2200mg/k
- Dermal: (rabbit) 20800 mg/k

**Triethanolamine):**

- Oral (rat): 6110 mg/kg
- Dermal: (rabbit): >19870 mg/k

**Glycerin (Mist):**

- Oral (rat): 12,600 mg/kg
- Subcutaneous (rat): Not Available

**Carcinogenicity:** Not classified as a human carcinogen by IARC or ACGIH.

**Reproductive Toxicity:**

**Mutagenic/Embryo Toxicity:** The components of this product are not reported to cause mutagenic or embryonic effects in humans.

**Teratogenicity:** Not available.

**Reproductive Toxicity:** Not available.

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### SECTION 12: ECOLOGICAL INFORMATION

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No specific information is currently available on the effect of this product on plants or animals in the environment. The product may be harmful to contaminated terrestrial and aquatic plant life in large quantities. The following aquatic toxicity data currently available for components of this product:

**Propylene Glycol:**

EC50 Green Algae (*Desmodesmus subspicatus*) 19000 mg/l 96 hours

EC50 Water Flea (*Daphnia magna*) 43500 mg/l 48 hours

LC 50 Fathead Minnow (*Pimephales promelas*) 46500 mg/l 96 hours



## SAFETY DATA SHEET

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Triethanolamine:

EC50 Green Algae (*Desmodesmus subspicatus*) 512 mg/l 72 hours

NOEC Water Flea (*Daphnia magna*) 16 mg/l 21 days

LC 50 Fathead Minnow (*Pimephales promelas*) 11800 mg/l 96 hours

Environmental Exposure Controls: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

No component of this product is known to have ozone depletion potential.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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Disposal Instructions: Collect or dispose in sealed containers at licensed waste disposal site.  
Dispose in accordance with local, state and federal regulations.

---

### SECTION 14: TRANSPORT INFORMATION

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DOT Classification: Not regulated for Domestic Transport.  
IATA Classification: Not regulated for International Transport.  
IMDG Classification: Not regulated for International Water Transport.

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### SECTION 15: REGULATORY INFORMATION

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U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not regulated.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not listed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 304: Not regulated.

SARA 311/312 HAZARD CATEGORIES: Not regulated.

SARA 313 REPORTABLE INGREDIENTS: Not listed.

STATE REGULATIONS:

California Prop 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

New Jersey RTK:

Glycerin (CAS 56-81-5)

Propylene Glycol (CAS 57-55-6)

Triethanolamine (CAS 102-71-6)

Massachusetts RTK:

Triethanolamine (CAS 102-71-6)

Pennsylvania RTK:

Propylene Glycol (CAS 57-55-6)

Triethanolamine (CAS 102-71-6)

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**SAFETY DATA SHEET**

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**INTERNATIONAL REGULATIONS:**

<u>Country or Region</u>	<u>Inventory Name</u>	<u>Listed</u>
Australia	Australia Inventory of Chemical Substances	No
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China:	Inventory of Existing Chemical Substances In China (IECSC)	Yes
Europe	European List of Notified Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substance Control Act (TSCA) Inventory	No

**Note:** A "Yes" indicates that all components comply with the inventory requirements administered by the governing country.  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country.

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**SECTION 16: OTHER INFORMATION**

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**Issue Date:** 08-25-2015

**Version:** 02

**Disclaimer:**

The information provided in this Safety Data Sheet (SDS) is accurate to the best of our knowledge. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or processes.



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier #008

Product Name Hand Sanitizer

Product Use Topical Skin Preparation

Manufacturer Water Jel Technologies LLC  
50 Broad Street  
Carlstadt, New Jersey 07072

Telephone 201-507-8300  
E-mail Address [www.waterjel.com](http://www.waterjel.com)  
Emergency Telephone 1-800-275-3433  
FAX Number 201-507-8325

Issue Date: 08-25-2015

### SECTION 2: HAZARDS IDENTIFICATION

#### Emergency Overview:

This product is regulated by the US FDA as an over-the-counter, monograph drug.

For Consumers, consult the Drug Facts on the package for use directions and warnings information.

#### Warnings: For External Use Only.

When using this product, avoid contact with the eyes.

Do not use on large areas of the body or on broken, blistered or oozing skin.

Stop use and ask a doctor if condition worsens or symptoms persist for more than 7 days.

If swallowed, get medical help or contact a Poison Control Center immediately.

Physical Hazards: Flammable liquid Category 3.

Health Hazards: Serious eye damage/eye irritation Category 2A.

Specific target organ toxicity, single exposure Category 3 narcotic effects.

Environmental Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

OSHA Defined Hazards: This mixture does not meet the classification criteria according to OSHA Hazcom 2012.

#### Label Elements:



Hazard Symbol:

Signal Word: Danger

Hazard Statement: Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.



## SAFETY DATA SHEET

### Precautionary Statement:

Prevention	Keep away from heat, sparks, open flames or hot surfaces. No smoking. Ground bond container and receiving equipment. Use explosion proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only in well ventilated area. Wear protective gloves, clothing and eye and face protection. Avoid breathing mist or vapor. Wash Hands thoroughly after handling.
Response	If on skin: Take off contaminated clothing. Rinse skin with water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a Poison Center. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing. If eye irritation persists get medical attention.
Storage	Store in well ventilated area. Keep container tightly closed. Keep cool.
Disposal	Dispose of contents/container in accordance with local, state, federal regulations.

### Hazards not otherwise

Classified (HNOC): None known.

Supplemental Information: None.

### Route of Entry:

Skin Contact:	May cause minor irritation, redness, inflammation or dryness.
Skin Absorption:	No adverse conditions expected.
Eye Contact:	May cause severe eye irritation.
Inhalation:	May cause irritation of the upper respiratory tract.
Ingestion:	May cause irritation of the digestive tract.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

Chemical Name	Common Name and Synonyms	CAS Number	%
Ethyl Alcohol	Ethanol	64-17-5	62.0
Propylene Glycol	1, 2, 3, Propanetriol 2-Hydroxypropanol	57-55-6	Proprietary

## SECTION 4: FIRST AID MEASURES

Skin Contact:	Wash off with warm water and soap. Get medical attention if symptoms occur.
Skin Absorption:	No adverse conditions expected.
Eye Contact:	Flush eyes with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.
Ingestion:	If swallowed, rinse mouth with water. Do not induce vomiting. Get medical attention.



## SAFETY DATA SHEET

### SECTION 5: FIRE-FIGHTING MEASURES

Flammable:	Yes			
Means of Extinction:	Use extinguishing media appropriate for surrounding fire. Use water spray, foam or dry chemical. In fires involving large quantities of this product, the use of large streams of water should be avoided. Use self-contained breathing apparatus when fighting fires that involve this material.			
Flash Point and Method:	NA			
Upper Flammable Limit (% by volume):	NA			
Lower Flammable Limit (% by volume):	NA			
Autoignition Temperature (°C):	NA			
Explosion Data – Sensitivity to Impact:	No unusual fire or explosion hazards noted.			
Explosion Data – Sensitivity to Static Discharge:	No unusual fire or explosion hazards noted.			
Hazardous Combustion Products:	Carbon oxides. Nitrogen Oxides (NOx).			
NFPA	Health 2	Fire 3	Reactivity 0	Other NA

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions,  
Protective equipment and  
Emergency procedures: Wear appropriate personal protective equipment.

Methods and materials  
for containment  
and clean up: Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.  
  
Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.  
  
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental Precautions: Avoid discharge into drains and water sources.

### SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Keep this and other chemicals out of the reach of children.

Storage Temperature: Do not store or mix with strong acids or oxidizers. Store at room temperature.





## SAFETY DATA SHEET

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits:

Components	ACGIH-TLVs	OSHA-PELs
Ethyl Alcohol (CAS 64-17-5)	1000 ppm TWA (1900 mg/m <sup>3</sup> )	1000 ppm TWA (1900 mg/m <sup>3</sup> )
Propylene Glycol (CAS 57-55-6)	10 mg/m <sup>3</sup>	NE

Aerosol Biological Limit Values: No biological Exposure limits noted for the ingredients.

Ventilation and Engineering Controls: Ensure adequate ventilation.

Personal Protective Equipment: None required under normal conditions  
Hand Protection: None required under normal conditions.  
Eye and Face Protection: Eye protection, as necessary to prevent excessive contact.  
Skin Protection: None required under normal conditions.

General Hygiene Considerations: Practice safe work habits.  
Other Protective Equipment: Eye wash stations should be nearby and ready to use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gel.  
Physical State: Gel.  
Form: Gel.  
Color: Clear.  
Odor: Mild alcoholic.  
pH: No information available.  
Boiling Point: 175°F  
Melting Point: No information available.  
Flash Point: 72°F closed cup  
Explosive Properties: No information available.  
Oxidizing Properties: No information available.  
Specific Gravity: 0.90  
Water Solubility: Soluble.  
Partition Coefficient: No information available.  
Viscosity: No information available.  
Vapor Pressure (mm Hg): 40  
Vapor Density (Air=1): 1.6  
Evaporation Rate: >1  
% Volatile: 100



## SAFETY DATA SHEET

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### SECTION 10: STABILITY AND REACTIVITY

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Reactivity:	The product is stable and non-reactive under normal conditions of use.
Chemical Stability:	Stable at normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Extreme heat and sources of ignition.
Materials to Avoid	Strong oxidants and strong acids.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide.
Hazardous Polymerization:	Will not occur.

---

### SECTION 11: TOXICOLOGICAL INFORMATION

---

Symptoms of Overexposure by Route of Exposure:  
The health hazard information provided is for handling this product in an occupational setting.

Effects of Acute and Chronic Exposure:

Acute: The primary health effect that may be experienced in an occupational setting is mild irritation of contaminated skin. Accidental ingestion may be harmful. Although unlikely, irritation can irritate the respiratory system. Eye contact will cause irritation.

Chronic: NE

Target Organs: Acute: Occupational exposure: Eyes.  
Chronic: Occupational exposure: Skin.

Inhalation:  
Vapors may slightly irritate the nose, throat and lungs. Symptoms are generally alleviated upon breathing fresh air.

Skin Contact:  
Skin contact may cause burning sensation, stinging, itching and tingling.

Eye Contact:  
Eye contact can cause irritation, stinging, redness and tearing.

Ingestion:  
Ingestion is not a significant route of occupational overexposure. Acute ingestion of large quantities of this product or chronic ingestion may cause adverse symptoms that may include nausea, vomiting and diarrhea.

Irritancy of the Product:  
This product may cause mild to moderate irritation on damaged skin.

Skin Sensitization:  
Not expected.

Respiratory Sensitization:  
Not likely due to form of product.

LD50/LC50:

Ethyl Alcohol:

- Oral (rodent, rat): 7060 mg/kg
- Inhalation: (rodent, rat): 20000 ppm/10H

Propylene Glycol (CAS 57-55-6)



## SAFETY DATA SHEET

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- Oral (rat): 2200mg/k
- Dermal: (rabbit) 20800 mg/k

Carcinogenicity: Not classified as a human carcinogen by IARC or ACGIH.

Reproductive Toxicity:

Mutagenic/Embryo Toxicity: The components of this product are not reported to cause mutagenic or embryonic effects in humans.

Teratogenicity: Not available.

Reproductive Toxicity: Not available.

---

### SECTION 12: ECOLOGICAL INFORMATION

---

No specific information is currently available on the effect of this product on plants or animals in the environment. The product may be harmful to contaminated terrestrial and aquatic plant life in large quantities. The following aquatic toxicity data currently available for components of this product:

Ethyl Alcohol:

EC50 Crustacea - Water Flea (*Daphnia magna*) 5012 mg/l 48 hours  
EC50 Green algae (*Selenastrum capricornutum*) 1000 mg/l 96 hours  
LC 50 Fathead Minnow (*Pimephales promelas*) 100 mg/l 96 hours

Propylene Glycol:

EC50 Green Algae (*Desmodesmus subspicatus*) 19000 mg/l 96 hours  
EC50 Water Flea (*Daphnia magna*) 43500 mg/l 48 hours  
LC 50 Fathead Minnow (*Pimephales promelas*) 46500 mg/l 96 hours

Environmental Exposure Controls: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

No component of this product is known to have ozone depletion potential.

---

### SECTION 13: DISPOSAL CONSIDERATIONS

---

Disposal Instructions: Collect or dispose in sealed containers at licensed waste disposal site.  
Dispose in accordance with local, state and federal regulations.

---

### SECTION 14: TRANSPORT INFORMATION

---

DOT Classification: UN Number: UN1170  
UN Proper Shipping Name: Ethanol Solution  
Transport Hazard Class: Class 3  
Labels: 3  
Packing Group: III  
Special Provisions: 24, B1, IB3, T2, TP!  
Packaging Exceptions: 4b, 150  
Packaging Non Bulk: 203  
Packaging Bulk: 242



## SAFETY DATA SHEET

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**IATA Classification:**      **UN Number:**      UN1170  
                                 **UN Proper Shipping Name:** Ethanol Solution  
                                 **Transport Hazard Class:**      Class 3  
                                 **Packing Group:**      II  
                                 **Environmental Hazards:**      No  
                                 **ERG Code:**      3L  
                                 **Passenger and cargo aircraft:**      Allowed.  
                                 **Cargo aircraft only:**      Allowed.

**IMDG Classification:**      **UN Number:**      UN1170  
                                 **UN Proper Shipping Name:** Ethanol Solution Isopropanol (Isopropyl Alcohol)  
                                 **Transport Hazard Class:**      Class 3  
                                 **Packing Group:**      II  
                                 **Marine pollutant:**      No  
                                 **EmS:**      F-E, S-D

---

### SECTION 15: REGULATORY INFORMATION

---

**U.S. Federal Regulations:**  
    **TSCA (TOXIC SUBSTANCE CONTROL ACT):**      Not regulated.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**      Listed.  
    Ethanol (CAS 64-17-5)

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) Emergency Release Notification:**  
    Hazard Category: Immediate Hazard  
    Fire Hazard

**SARA 304 EMERGENCY RELIEF NOTIFICATION:**      Not regulated.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCE:** Not listed.

**SARA 311/312 HAZARDOUS CHEMICAL:**      Yes

**SARA 313 REPORTABLE INGREDIENTS:**      Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**      Not listed.

### STATE REGULATIONS:

**California Prop 65:**  
    This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**New Jersey RTK:**  
    Ethanol (CAS 64-17-5)  
    Triethanolamine (CAS 102-71-6)  
    Propylene Glycol (CAS 57-55-6)

**Massachusetts RTK:**  
    Ethanol (CAS 64-17-5)  
    Triethanolamine (CAS 102-71-6)

## SAFETY DATA SHEET

Pennsylvania RTK:  
Ethanol (CAS 64-17-5)  
Propylene Glycol (CAS 57-55-6)  
Triethanolamine (CAS 102-71-6)

### INTERNATIONAL REGULATIONS:

Country or Region	Inventory Name	Listed
Australia	Australia Inventory of Chemical Substances	Yes
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China:	Inventory of Existing Chemical Substances In China (IECSC)	Yes
Europe	European List of Notified Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substance Control Act (TSCA) Inventory	Yes

Note: A "Yes" indicates that all components comply with the inventory requirements administered by the governing country.  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country.

### SECTION 16: OTHER INFORMATION

Issue Date: 08-25-2015

Version: 02

#### Disclaimer:

The information provided in this Safety Data Sheet (SDS) is accurate to the best of our knowledge. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or processes.



Telephone: (845) 365-8200 \* Website: [www.dynarex.com](http://www.dynarex.com)  
Toll Free: (888) DYNAREX \* Website: [www.thcnet.com](http://www.thcnet.com)  
Fax: (845) 365-8201

Reorder #'s 1137-38-39

Reviewed on 1/7/15

## Safety Data Sheet

### Section 1- Product and Company Identification

Product/Trade Name: Hydrocortisone Cream 1%

Manufacturer's Name: Dynarex Corporation

Manufacturer's Address: 10 Glenshaw Street  
Orangeburg, NY 10962

Emergency or Information Phone No.: 888-DYNAREX or 845-365-8200  
At other times, contact the local Poison Control Center

Chemical Name: Hydrocortisone Cream 1%

### Section 2-Hazards Identification

#### EMERGENCY OVERVIEW

**HARMFUL**

#### POTENTIAL HEALTH EFFECTS

**Eye** May cause Eye irritation

**Skin** May Cause Skin irritation

**Ingestion** May be harmful if swallowed

**Inhalation** Causes respiratory tract irritation. May be harmful if swallowed

**Chronic** Repeated or prolonged exposure can produce target organ damage

**Executive Headquarters:** Ten Glenshaw Street, Orangeburg, NY 10962





**Telephone:** (845) 365-8200 \* **Website:** [www.dynarex.com](http://www.dynarex.com)  
**Toll Free:** (888) DYNAREX \* **Website:** [www.thcnet.com](http://www.thcnet.com)  
**Fax:** (845) 365-8201

### Section 3. Composition, Information on ingredients

Composition: Each gram contains: hydrocortisone acetate

CAS#	Chemical name	%
50-03-3	Hydrocortisone acetate	1%

Hazard symbols : **Not available**

Risk phrases : **Not available**

### Section 4- First aid measures

**Eyes** Flush with plenty of water for at least 15 minutes. Assures adequate flushing by separating eyelids with fingers. Call a physician.

**Skin** Immediately wash skin with plenty of water . Get medical attention

**Ingestion** Wash out mouth with water and supply 3 cupful of milk or water provided person is Conscious. Call physician

**Inhalation** Remove to fresh air. If not breathing give artificial respiration, if breathing is difficult, Given oxygen. Call a physician

**Notes to physician** Treat symptomatically and supportively.

### Section 5- Fire Fighting Measures

**General information** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH, and full protective gear.

**Extinguishing media** Noncombustible : USE carbon oxide, dry chemical powder

Large fire: use water supply ,fog or foam. Do not use water jet



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**Toll Free:** (888) DYNAREX \* **Website:** [www.thcnet.com](http://www.thcnet.com)  
**Fax:** (845) 365-8201

## Section 6 - Accidental Release Measures

**General Information** Wear Respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

**Spills/leaks** Scoop the material and place into a suitable disposal container.

## Section 7 - Handling and storage

**Handling** Keep container tightly closed

**Storage** Store at a temperature

## Section 8-Exposure Controls, personal protection

**Engineering Controls** Use only in a chemical hood, eyes wash station and deluge shower

Wash thoroughly after handling

## PERSONAL PROTECTIVE EQUIPMENT

**Eyes** Splash Goggles

**Skin** Lab coat

**Clothing** Wear appropriate protective clothing to prevent skin Exposure.

**Respirators** Dust respirator. Be sure to use an approved / certified respirator or equivalent

## Section 9-Physical and chemical Properties

Physical State	Ointment
Appearance	White
Odor	Odorless
Ph	Not Available
Vapor Pressure	Not Available
Viscosity	Not Available

**Executive Headquarters:** Ten Glenshaw Street, Orangeburg, NY 10962



**Telephone:** (845) 365-8200 \* **Website:** [www.dynarex.com](http://www.dynarex.com)  
**Toll Free:** (888) DYNAREX \* **Website:** [www.thcnet.com](http://www.thcnet.com)  
**Fax:** (845) 365-8201

Boiling Point	Not Available
Freezing/Melting Point	Not Available
Auto ignition Temperature	Not Available
Flash Point	Not Available
Explosion Limits, lower	Not Available
Explosion Limits, upper	Not Available
Decomposition Temperature	Not Available
Solubility in water	Not Available
Specific Gravity/Density	+158 degree to +167 degree
Molecular Formula	C23H32O6
Molecular Weight	404.5

#### Section 10-Stability and Reactivity

<b>Chemical Stability</b>	Stable
<b>Conditions to Avoid</b>	Not Available
<b>Incompatibilities with Other Materials</b>	Incompatible with strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Not available
<b>Hazardous Polymerization</b>	Not Applicable

#### Section 11 - Toxicological Information

<b>RTECS#</b>	Not Applicable
<b>LD50/LC50</b>	Not Available
<b>Carcinogenicity</b>	Not Available

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Toll Free: (888) DYNAREX \* Website: [www.thcnet.com](http://www.thcnet.com)  
Fax: (845) 365-8201

Other Not Data Available

#### Section 12 - Ecological Information

Other Not Available

#### Section 13 - Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not Available	Not Available	Not Available
Hazard Class:	Not Available	Not Available	Not Available
UN Number:	Not Available	Not Available	Not Available
Packing Group:			

#### Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: **Not Available**

Risk Phrases: **Not Available**

Safety Phrases: **Not Available**

United Kingdom Occupational Exposure Limits

Canada

Exposure Limits

US FEDERAL

TSCA

**Executive Headquarters:** Ten Glenshaw Street, Orangeburg, NY 10962



**Telephone:** (845) 365-8200 \* **Website:** [www.dynarex.com](http://www.dynarex.com)  
**Toll Free:** (888) DYNAREX \* **Website:** [www.thcnet.com](http://www.thcnet.com)  
**Fax:** (845) 365-8201

## Section 16-Additional Information

Reviewed: 2013

Disclaimer:

This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.

**Executive Headquarters:** Ten Glenshaw Street, Orangeburg, NY 10962



# SAFETY DATA SHEET

Revision date: 06-Nov-2014

Version: 1.0

Page 1 of 11

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### Product Identifier

**Material Name:** Ibuprofen 20 mg/mL (Oral Suspension)

**Trade Name:** IBUPIRAC; IBUPROFENE; IBUPROFENO

**Chemical Family:** Not determined

### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Intended Use:** Pharmaceutical product used as Non-steroidal, anti-inflammatory drug (NSAID) antipyretic

### Details of the Supplier of the Safety Data Sheet

Pfizer Inc  
1 Giralda Farms  
Madison, NJ 07940

Pfizer Ltd  
Ramsgate Road  
Sandwich, Kent  
CT13 9NJ  
United Kingdom  
+00 44 (0)1304 616161  
Emergency telephone number:  
International CHEMTREC (24 hours): +1-703-527-3887

Emergency telephone number:

CHEMTREC (24 hours): 1-800-424-9300

Contact E-Mail: pfizer-MSDS@pfizer.com

## 2. HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

**GHS - Classification** Not classified as hazardous

### EU Classification:

EU Indication of danger: Not classified

### Label Elements

### Other Hazards

No data available

**Australian Hazard Classification (NOHSC):**

Non-Hazardous Substance. Non-Dangerous Goods.

### Note:

This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Colloidal silicon dioxide	7631-86-9	231-545-4	Not Listed	Not Listed	*



## SAFETY DATA SHEET

Material Name: Ibuprofen 20 mg/mL (Oral Suspension)  
Revision date: 06-Nov-2014

Page 2 of 11  
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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ibuprofen	15687-27-1	239-784-6	Repr.Cat3;R62-63 Xn;R22	Acute Tox.4 (H302) Repr.2 (H361fd)	2
Sucrose	57-50-1	200-334-9	Not Listed	Not Listed	*

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Carboxymethylcellulose sodium	9004-32-4	Not Listed	Not Listed	Not Listed	*
FD&C Yellow No. 6; (Sunset yellow)	2783-94-0	220-491-7	Not Listed	Not Listed	*
Flavor	NOT ASSIGNED	Not Listed	Not Listed	Not Listed	*
Methylparaben	99-76-3	202-785-7	Not Listed	Not Listed	*
Monoammonium glycyrrhizinate	53956-04-0	258-887-7	Not Listed	Not Listed	*
Polysorbate 80	9005-65-6	Not Listed	Not Listed	Not Listed	*
Propylparaben	94-13-3	202-307-7	Not Listed	Not Listed	*
Sodium cyclamate	139-05-9	205-348-9	Not Listed	Not Listed	*
Sodium saccharin	128-44-9	204-886-1	Not Listed	Not Listed	*
Water, purified	7732-18-5	231-791-2	Not Listed	Not Listed	*

#### Additional Information:

\* Proprietary  
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.  
In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

#### Description of First Aid Measures

**Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

**Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

**Inhalation:** Remove to fresh air and keep patient at rest. Seek medical attention immediately.

#### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms and Effects of Exposure:** For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.  
**Medical Conditions Aggravated by Exposure:** None known

#### Indication of the Immediate Medical Attention and Special Treatment Needed

**Notes to Physician:** None

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Extinguish fires with CO<sub>2</sub>, extinguishing powder, foam, or water.

**Special Hazards Arising from the Substance or Mixture**



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**Hazardous Combustion Products:**

Formation of toxic gases is possible during heating or fire.

**Fire / Explosion Hazards:**

Fine particles (such as dust and mists) may fuel fires/explosions.

**Advice for Fire-Fighters**

During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

**Environmental Precautions**

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

**Methods and Material for Containment and Cleaning Up**

**Measures for Cleaning / Collecting:**

Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.

**Additional Consideration for Large Spills:**

Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Avoid breathing dust, vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Store as directed by product packaging.

**Specific end use(s):** Pharmaceutical drug product

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters**

Refer to available public information for specific member state Occupational Exposure Limits.

**Colloidal silicon dioxide**

Australia TWA	2 mg/m <sup>3</sup>
Austria OEL - MAKs	4 mg/m <sup>3</sup>
	0.3 mg/m <sup>3</sup>
Czech Republic OEL - TWA	0.1 mg/m <sup>3</sup>
	4.0 mg/m <sup>3</sup>
Estonia OEL - TWA	2 mg/m <sup>3</sup>
Finland OEL - TWA	5 mg/m <sup>3</sup>
Germany - TRGS 900 - TWAs	4 mg/m <sup>3</sup>
Germany (DFG) - MAK	4 mg/m <sup>3</sup>
Ireland OEL - TWAs	6 mg/m <sup>3</sup>
	2.4 mg/m <sup>3</sup>
Latvia OEL - TWA	1 mg/m <sup>3</sup>
OSHA - Final PELs - Table Z-3 Mineral D:	20 mppcf
	Listed

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Slovakia OEL - TWA	4.0 mg/m <sup>3</sup>
Switzerland OEL - TWAs	4 mg/m <sup>3</sup>
	0.3 mg/m <sup>3</sup>

#### Ibuprofen

Pfizer OEL TWA-8 Hr:	3000µg/m <sup>3</sup>
----------------------	-----------------------

#### Sucrose

ACGIH Threshold Limit Value (TWA)	10 mg/m <sup>3</sup>
Australia TWA	10 mg/m <sup>3</sup>
Belgium OEL - TWA	10 mg/m <sup>3</sup>
Bulgaria OEL - TWA	10.0 mg/m <sup>3</sup>
Estonia OEL - TWA	10 mg/m <sup>3</sup>
France OEL - TWA	10 mg/m <sup>3</sup>
Ireland OEL - TWAs	10 mg/m <sup>3</sup>
Latvia OEL - TWA	5 mg/m <sup>3</sup>
Lithuania OEL - TWA	10 mg/m <sup>3</sup>
OSHA - Final PELs - TWAs:	15 mg/m <sup>3</sup>
Portugal OEL - TWA	10 mg/m <sup>3</sup>
Slovakia OEL - TWA	6 mg/m <sup>3</sup>
Spain OEL - TWA	10 mg/m <sup>3</sup>

#### Exposure Controls

<b>Engineering Controls:</b>	Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.
<b>Personal Protective Equipment:</b>	Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).
<b>Hands:</b>	Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.
<b>Eyes:</b>	Wear safety glasses or goggles if eye contact is possible.
<b>Skin:</b>	Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.
<b>Respiratory protection:</b>	If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Suspension	<b>Color:</b>	Orange
<b>Odor:</b>	No data available.	<b>Odor Threshold:</b>	No data available.
<b>Molecular Formula:</b>	Mixture	<b>Molecular Weight:</b>	Mixture
<b>Solvent Solubility:</b>	No data available		
<b>Water Solubility:</b>	No data available		
<b>pH:</b>	No data available.		
<b>Melting/Freezing Point (°C):</b>	No data available		
<b>Boiling Point (°C):</b>	No data available.		
<b>Partition Coefficient: (Method, pH, Endpoint, Value)</b>			
<b>Polysorbate 80</b>			
No data available			
<b>Carboxymethylcellulose sodium</b>			

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

No data available

**Sucrose**

No data available

**Sodium cyclamate**

No data available

**Sodium saccharin**

No data available

**Monoammonium glycyrrhizinate**

No data available

**Methylparaben**

No data available

**Propylparaben**

No data available

**Ibuprofen**

No data available

**FD&C Yellow No. 6; (Sunset yellow)**

No data available

**Colloidal silicon dioxide**

No data available

**Flavor**

No data available

**Water, purified**

No data available

**Decomposition Temperature (°C):** No data available.

**Evaporation Rate (Gram/s):** No data available

**Vapor Pressure (kPa):** No data available

**Vapor Density (g/ml):** No data available

**Relative Density:** No data available

**Viscosity:** No data available

**Flammability:**

**Autoignition Temperature (Solid) (°C):** No data available

**Flammability (Solids):** No data available

**Flash Point (Liquid) (°C):** No data available

**Upper Explosive Limits (Liquid) (% by Vol.):** No data available

**Lower Explosive Limits (Liquid) (% by Vol.):** No data available

### 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical Stability:** Stable under normal conditions of use.

**Possibility of Hazardous Reactions**

**Oxidizing Properties:** No data available

**Conditions to Avoid:** Fine particles (such as dust and mists) may fuel fires/explosions.

**Incompatible Materials:** As a precautionary measure, keep away from strong oxidizers

**Hazardous Decomposition Products:** No data available

### 11. TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects

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### 11. TOXICOLOGICAL INFORMATION

<b>General Information:</b>	The information included in this section describes the potential hazards of the individual ingredients.
<b>Short Term:</b>	Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions. Acute overdosage and/or chronic abuse of ibuprofen may cause kidney effects.
<b>Long Term:</b>	Repeat-dose studies in animals have shown a potential to cause adverse effects on developing fetus
<b>Known Clinical Effects:</b>	Adverse effects associated with therapeutic use include gastrointestinal effects such as nausea, pain, heartburn, bleeding, ulceration, and perforation. Drowsiness, fatigue, or headache are also possible. Other nonsteroidal anti-inflammatory drugs (NSAIDs) are known to impact delivery, late fetal development, and lactation.

#### Acute Toxicity: (Species, Route, End Point, Dose)

##### **Polysorbate 80**

Rat Oral LD50 25 g/kg

##### **Carboxymethylcellulose sodium**

Mouse Oral LD50 > 27,000 mg/kg

Rat Oral LD50 27,000 mg/kg

Rabbit Dermal LD50 > 2000 mg/kg

##### **Sucrose**

Rat Oral LD50 29.7 g/kg

##### **Sodium cyclamate**

Rat Oral LD50 1280 mg/kg

##### **Sodium saccharin**

Mouse Oral LD50 17.5 g/kg

Rat Oral LD50 14.2 - 17g/kg

Rat Intraperitoneal LD50 7100mg/kg

##### **Propylparaben**

Mouse Oral LD 50 6332 mg/kg

Mouse Sub-tenon injection (eye) LD 50 200 mg/kg

##### **Ibuprofen**

Rat Oral LD 50 1600 mg/kg

Rat Inhalation LC 50 > 20mg/L

##### **FD&C Yellow No. 6; (Sunset yellow)**

Rat Oral LD50 > 10,000 mg/kg

Mouse Oral LD50 > 6,000mg/kg

**Acute Toxicity Comments:** A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

#### Irritation / Sensitization: (Study Type, Species, Severity)

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

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### 11. TOXICOLOGICAL INFORMATION

#### Carboxymethylcellulose sodium

13 Week(s) Rat Oral 227 g/kg LOAEL Liver, Kidney, Ureter, Bladder

#### Sodium saccharin

36 Week(s) Rat Oral 756 g/kg LOAEL Kidney, Ureter, Bladder

54 Day(s) Rat Oral 32400 mg/kg LOAEL Immune system

#### Propylparaben

3 Week(s) Rat Oral 27.1 g/kg LOAEL Endocrine system

4 Week(s) Rat Oral 347.2 mg/kg LOAEL Male reproductive system

#### Ibuprofen

4 Day(s) Rat Oral 200 mg/kg Gastrointestinal System

30 Day(s) Dog Oral 480 mg/kg Gastrointestinal system

2 Week(s) Rat Oral 1300 mg/kg Liver

#### Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

##### Ibuprofen

Fertility and Embryonic Development Rat rectal 100 mg/kg/day Fertility

Fertility and Embryonic Development Rat rectal 200 mg/kg/day Fetotoxicity

Embryo / Fetal Development Rabbit Oral 60 mg/kg/day Not Teratogenic

Embryo / Fetal Development Rat Oral 180 mg/kg/day Not Teratogenic

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

##### Sucrose

Bacterial Mutagenicity (Ames) *Salmonella* Negative

##### Ibuprofen

Bacterial Mutagenicity (Ames) *Salmonella* Negative

#### Carcinogen Status:

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

##### Sodium cyclamate

IARC: Group 3 (Not Classifiable)

##### Sodium saccharin

IARC: Group 3 (Not Classifiable)

##### FD&C Yellow No. 6; (Sunset yellow)

IARC: Group 3 (Not Classifiable)

##### Colloidal silicon dioxide

IARC: Group 3 (Not Classifiable)

### 12. ECOLOGICAL INFORMATION

#### Environmental Overview:

Environmental properties have not been thoroughly investigated. Releases to the environment should be avoided. See aquatic toxicity data for individual components below:

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### Toxicity:

#### Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

##### Ibuprofen

*Daphnia magna* (Water Flea) EC50 48 Hours 108 mg/L

*Desmodesmus subcapitata* (Green Alga) EC50 72 Hours 315 mg/L

**Persistence and Degradability:** No data available

**Bio-accumulative Potential:** No data available

**Mobility in Soil:** No data available

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods:

Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

### 14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

### 15. REGULATORY INFORMATION

#### Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

##### Canada - WHMIS: Classifications

##### WHMIS hazard class:

None required

##### Carboxymethylcellulose sodium

CERCLA/SARA 313 Emission reporting

Not Listed

California Proposition 65

Not Listed

Inventory - United States TSCA - Sect. 8(b)

Present

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## 15. REGULATORY INFORMATION

Australia (AICS):	Present
EU EINECS/ELINCS List	Not Listed
<b>Colloidal silicon dioxide</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	231-545-4
<b>FD&amp;C Yellow No. 6; (Sunset yellow)</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	220-491-7
<b>Flavor</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed
<b>Ibuprofen</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 2 Schedule 3 Schedule 4
EU EINECS/ELINCS List	239-784-6
<b>Methylparaben</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	202-785-7
<b>Monoammonium glycyrrhizinate</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	258-887-7
<b>Polysorbate 80</b>	
CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	Not Listed



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### 15. REGULATORY INFORMATION

#### Propylparaben

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	202-307-7

#### Sodium cyclamate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	205-348-9

#### Sodium saccharin

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	204-886-1

#### Sucrose

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	200-334-9

#### Water, purified

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	231-791-2

### 16. OTHER INFORMATION

#### Text of R phrases and GHS Classification abbreviations mentioned in Section 3

Acute toxicity, oral-Cat.4; H302 - Harmful if swallowed  
Reproductive toxicity-Cat.2; H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.

Toxic to Reproduction: Category 3  
Xn - Harmful

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R22 - Harmful if swallowed.

R62 - Possible risk of impaired fertility.

R63 - Possible risk of harm to the unborn child.

**Data Sources:** Pfizer proprietary drug development information. Publicly available toxicity information. Safety data sheets for individual ingredients.

**Revision date:** 06-Nov-2014

Product Stewardship Hazard Communication

**Prepared by:** Pfizer Global Environment, Health, and Safety Operations

Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

**End of Safety Data Sheet**



**Telephone:** (845) 365-8200 \* **Website:** [www.dynarex.com](http://www.dynarex.com)  
**Toll Free:** (888) DYNAREX \* **Website:** [www.thcnet.com](http://www.thcnet.com)  
**Fax:** (845) 365-8201

Reviewed on 9/13/16

## Safety Data Sheet

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

<b>Product Identifiers:</b>	<b>Dynarex Instant Cold Packs,</b> Dynarex Reorder # 4511-4512-4515; CS-36326 thru -36329; DM-4511 & -4512; FP-4511 thru -4513; PK-4511 thru -4514; SM-4512; ST-8020; ST-8025; TS-4511 thru -4514
<b>Other means of identification:</b>	Instant Cold Therapy Pack
<b>Recommended use of the chemical</b>	Instant Cold Pack for thermal therapy
<b>And restrictions on use</b>	<b>CAUTION:</b> <ul style="list-style-type: none"><li>• For external use only. Adult supervision recommended.</li><li>• Do not puncture. If bag breaks and fluid contacts skin or eyes, immediately flush area with large amounts of water.</li><li>• Do not swallow contents. If contents are accidentally swallowed, drink large amounts of water (not milk) and contact a Poison Control Center or physician.</li><li>• Cold therapy should not be used by individuals with circulatory problems, unless under the direct supervision of a physician.</li></ul>
<b>Name of the Manufacturer:</b>	Dynarex Corporation
<b>Manufacturer's Address:</b>	10 Glenshaw Street Orangeburg, NY 10962
<b>Emergency Phone No.:</b>	Toll Free: 1-888-DYNAREX Phone: (845) 365-8200 Fax: (845) 365-8201 At other times, contact the local Poison Control Center

## SECTION 2. HAZARDS IDENTIFICATION

### Classification

If container is damaged will release a chemical considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

A waterproof package containing small white ammonium nitrate pellets surrounding a small rupturable plastic bag filled with water. Once contents are mixed, the bag will feel cold to the touch. Used as a first aid device. No hazards expected when used per instructions. The hazards described below apply if the packaging is damaged resulting in release of calcium ammonium nitrate solution.

Serious Eye Damage/Eye Irritation	Category 2A
Oxidizing solids	Category 3
Respiratory or Skin Sensitization: <b>Skin Sens.1</b>	Respiratory or Skin Sensitization: <b>Resp. Sens.1</b>

### GHS Label elements, including precautionary statements

**Signal Word** Warning Danger

#### Hazard Statements

- Causes serious eye irritation
- May intensify fire; oxidizer
- May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.



**Appearance** White; Clear to off white liquid

**Physical State** Solid; Liquid when activated

**Odor** Odorless

### Precautionary Statements

#### Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Keep away from heat/sparks/open flames/hot surfaces - No smoking
- Keep/Store away from clothing/ other combustible materials
- Take any precaution to avoid mixing with combustibles
- Wear protective gloves/protective clothing/eye protection/face protection

#### General Advice

- None

#### Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention.

#### Fire

- In case of fire: Use CO2, dry chemical, or foam for extinction.

#### Storage

- None

#### Disposal

- Dispose of contents/container to an approved waste disposal plant.

### Hazard Not Otherwise Classified (HNOC)

Not applicable

### Other information

No information available.

0% of the mixture consists of ingredient(s) of unknown toxicity.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

List 1, The composition of the product.

Chemical Name	Percent (by weight)	CAS No.	EC#	MITI No.
Calcium Ammonium Nitrate (with crystal water)	≤40%	15245-12-2	Unlisted	-
Water	≅ 50%	7732-18-5	Unlisted	-

Note: Calcium Ammonium Nitrate (with crystal water) is a compound and its ingredients are listed in List 2.

List 2, The Ingredients of Calcium Ammonium Nitrate

Chemical Name	CAS No	Percent	Hazardous
Calcium Nitrate With Crystal Water	10124-37-5(Anyhdrous)	81%	No
Ammonium Nitrate With Crystal Water	13477-34-4(Tetrahydrate)	7%	No
Crystal water		12%	No





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**Fax:** (845) 365-8201

#### SECTION 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Get medical attention if ill effects occur.

**Ingestion:** If swallowed, do not induce vomiting, give several glasses of water or milk to drink. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person

**Skin Contact :** Wash the affected area with soap and water

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

#### SECTION 5. FIRE FIGHTING MEASURES

**Flash Point:** Not applicable.

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

If substance is not directly involved in the fire, use the best means available to extinguish the fire.

If substance is involved in the fire, use plenty of water. Do not use chemical extinguishers or foams or attempt to smother the fire with steam or sand.

Open doors and windows of the store to give maximum ventilation. Do not allow molten substance to run into drains. Prevent contamination of the substance by oils or other combustible materials. If water containing fertilizer enters any drains or watercourse, inform the local authorities immediately.

In the event of a fire, wear full protective clothing and approved self-contained breathing apparatus, if fumes are being entered.



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Fax: (845) 365-8201

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

## SECTION 7. HANDLING AND STORAGE

**General Information:** This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

**Storage:** Store in a closed container. Store in a cool, dry, and well-ventilated area and keep away from incompatible substances, food, drink and dust/impurities. Inspect regularly for deficiencies such as damage or storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment. Store protected from moisture.

**Handling:** Ensure good local exhaust ventilation. Handle and open container with care. Keep container closed and away from incompatible substances, food, drink and dust/impurities. Protect from humidity and water. Minimize dust generation and accumulation. Avoid dust contact with eyes. Avoid breathing dust and fume. Avoid ingestion. Remove contaminated clothing and wash before reuse. Empty containers retain product residue. The work area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.





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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limit:** No exposure limits is listed for this product.

**Monitoring Methods:** No information found.

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Personal Protective Equipment:**

- **Eyes:** Dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles which may result from handling product.
- **Skin and Clothing:** Wear appropriate protective clothing, and gloves to prevent skin contact.
- **Respirators:** An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator of a self contained breathing apparatus should be used when large spilled or fire.
- **Other Protection:** To maintain good health habits. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.



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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** White granules

**Odor:** Odorless.

**Molecular Formula:**  $5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$

**Molecular Weight:** 1080.71

**Water Solubility:** Soluble in water.

**Bulk Density:** Normal between 1000-1200kg/m<sup>3</sup>.

**PH :** 5.0(1%aqueous solution)

**%Volatiles by volume/ 21 °C(70F):** No information found.

**Boiling Point:** No information found.

**Melting Point:** 100-104 °C

**Decomposition Temperature:** No information found.

**Flash Point (closed cup):** No information found.

**Explosion Limit:** No information found.

**Vapor Density (Air=1):** No information found.

**Vapor Pressure:** (mm Hg) No information found.

**Usage:** Physical hot and cold therapy.

## SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable under ordinary conditions of use and storage.

**Reactivity:** No information found..

**Conditions to Avoid:** Incompatible materials, dust generation.

**Incompatibilities with Other Materials:** Reactive with oxidizing agents.

**Corrosivity:** Non-corrosive in presence of glass.

**Hazardous Polymerization:** No.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:**

Oral rat LD50:>2000mg/kg.



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## SECTION 12. ECOLOGICAL INFORMATION

**Environmental date:** No information found.

**Environmental Toxicity:** No information found.

**Ecological Degradation:** Not available.

**Biology Degradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

## SECTION 13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of container and unused contents in accordance with state and local requirements.

## SECTION 14. TRANSPORT INFORMATION

Not regulated as a hazardous material for transportation. (TDG; IMDG CODE; IATA DGR)

**UN Number:** N/A

**UN Proper Shipping Name:** N/A

**UN Classification:** N/A

**Packing Group:** N/A

**Packaging Sign:** N/A

**Transport Fashion:** N/A

## SECTION 15. REGULATORY INFORMATION

**Regulatory Information:** Reference to the local, national, US, EU, CA, Japan and international regulations.



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## SECTION 16. OTHER INFORMATION

### Disclaimer:

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Reorder # 1108, 1201-1202-1207; HS-1125637

Reviewed on 1/7/15

## Safety Data Sheet

### SECTION 1. Product and Company Identification

Product/Trade Name: Povidone iodine pads  
Povidone iodine swabsticks  
Manufacturer's Name: Dynarex Corporation  
Manufacturer's Address: 10 Glenshaw Street  
Orangeburg, NY 10962  
Emergency or Information Phone No.: 888-DYNAREX or 845-365-8201  
At other times, contact the local Poison Control Center

### SECTION 2. Hazards Identification

#### GHS Label elements, including precautionary statements

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Appearance:** Dark brown liquid absorbed into white pad / swab.

**Physical State:** Thin liquid absorbed onto pad / swab.

**Odor:** Faint characteristic

**Precautionary Statements - Prevention** None

**Precautionary Statements - Response** None

**Precautionary Statements - Storage** None

**Precautionary Statements - Disposal** None

**Hazards not otherwise classified (HNOC)** Not applicable

**Unknown Toxicity** - 11% of the mixture consists of ingredient(s) of unknown toxicity

**Other information** - Harmful to aquatic life with long lasting effects.

**Interactions with Other Chemicals** - Incompatible with strong alkalis.

### SECTION 3. Composition/Information on Ingredients

INGREDIENTS	CAS NUMBER	WT. %	ACGIH-TLV
Povidone Iodine	25655-41-8	10	None Established
Nonoxynol-9	26571-11-9	2	None Established
Water	7732-18-5	88	None Established



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## **SECTION 4. First-Aid Measures**

Skin Contact:	Discontinue if rash or irritation is noted.
Eye Contact:	Flush with cool water for 15 minutes. If eye irritation persists: Get medical advice/attention.
Inhalation:	Remove to fresh air. If symptoms persist, call a doctor
Ingestion:	Do not induce vomiting. Get medical attention.
Target Organs:	N/A

## **SECTION 5. Fire-Fighting Measures**

Extinguishing Media:	Any
Special Fire-fighting Procedures:	None
Unusual Fire and Explosion Hazards:	May emit toxic fumes of iodine in a fire.

### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

### **Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

### **Specific Hazards Arising from the Chemical**

Harsh iodine fumes may be emitted if product is heated to temperatures greater than 80°C.

### **Hazardous Combustion Products**

Carbon oxides.

## **SECTION 6. Accidental Release Measures**

Use absorbent material and dispose per local regulations.

## **SECTION 7. Handling and Storage**

Avoid storing at extreme temperatures.

Store under dry conditions.





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## SECTION 8. Exposure Controls/Personal Protection

### Exposure Guidelines

#### Chemical Name

Iodine  
7553-56-2

#### ACGIH TLV

TWA: 0.01 ppm  
(Inhalable fraction and vapor)  
STEL: 0.1 ppm  
(Aerosol and vapor)

#### OSHA PEL

TWA-Ceiling: 0.1 ppm

#### NIOSH IDLH

IDLH: 2 ppm  
TWA-Ceiling: 0.1 ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSH

Respiration:	None
Ventilation:	None
Protective Gloves:	If handling liquid
Eye Protection:	If splashing is a hazard
Hygienic Practices:	Good housekeeping practices should be followed.
Other:	Wear apron to protect clothing.

## SECTION 9. Physical and Chemical Properties

Color/Appearance:	Applicator saturated with dark reddish brown liquid
Odor:	Faint Iodine
Boiling Point:	N/A
Vapor Density:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Soluble
Specific Gravity (H <sub>2</sub> O=1):	N/A

## SECTION 10. Stability and Reactivity

Stability:	Stable
Conditions to avoid:	None known
Incompatibility:	Alkalis and reducing agents
Hazardous Decomposition of By-products:	Emits iodine vapors at high temperatures





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Polymerization: Will not occur

## SECTION 11. Toxicological Information

Skin: May cause irritation  
Eyes: May be irritating  
Inhalation: None  
Ingestion: Harmful  
Ectotoxicity Harmful to aquatic life with long lasting effects.

## SECTION 12. Ecological Information

Ecotoxicity Harmful to aquatic life with long lasting effects.  
Environmental effects Not available  
Aquatic toxicity Not available  
Persistence / degradability Not available  
Bioaccumulation / accumulation Not available  
Partition coefficient Not available  
Mobility in environmental media Not available  
Chemical fate information Not available  
Other adverse effects Not available

## SECTION 13. Disposal Considerations

Follow local, state and federal regulations.

## SECTION 14. Transport Information

DOT Shipping Name:	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated



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## SECTION 15. Regulatory Information

**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

NPN 00489948 - Pad/ NPN 00489964 - Swabstick

**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200 due to the presence of listed sensitizers. All components are on the U.S. EPA TSCA Inventory List.

### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical

Yes

### CERCLA (Superfund) reportable quantity

Sodium hydroxide: 1000.0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

Safe Drinking Water Act (SDWA) Not available

Drug Enforcement Agency (DEA) Not available

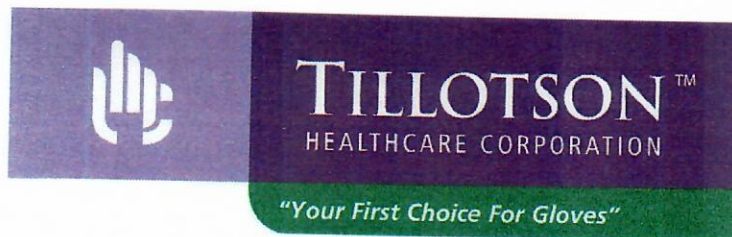
Food and Drug Administration

(FDA) Not available

**WHMIS classification** Exempt - Registered product - (NHP see above)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.





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## SECTION 16. Other information

### Abbreviations

N/A: Denotes no applicable information found or available  
CAS#: Chemical Abstracts Service Number  
ACGIH: American Conference of Governmental Industrial Hygienists  
OSHA: Occupational Safety and Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
NTP: National Toxicology Program  
IARC: International Agency for Research on Cancer  
EU: European Union  
R: Risk  
S: Safety

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Reviewed on 9/30/15



## SAFETY DATA SHEET



### 1. Product and Company Identification

Product identifier	Compound Tincture of Benzoin Swabstick	SDS0119-00
Other means of identification	Not available	
Recommended use	Effective barrier between skin and bandage or application.	
Recommended restrictions	For Professional and Hospital Use	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	Professional Disposables International, Inc.	
Address	Two Nice-Pak Park Orangeburg, NY 10962-1376 United States	
Telephone	1-845-365-1700 (M-F 9am - 5pm)	
E-mail	Not available.	
Emergency phone number	1-800-999-6423	



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## 2. Hazards Identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Danger	
Hazard statement	Highly flammable liquid and vapor. May cause skin irritation May cause eye irritation. May cause an allergic skin reaction.	
Precautionary statement		
Prevention	Keep away from fire or flame. Keep container closed. Use good industrial hygiene practices in handling this material.	
Response	In case of fire: Use appropriate media to extinguish. If skin irritation occurs, discontinue use. If irritation persists, consult a physician. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Specific treatment (see product label).	
Storage	Store in a well-ventilated place. Keep cool.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information	Not applicable.	

## 3. Composition/Information on Ingredients

Mixtures	PDI <b>Compound Tincture of Benzoin Swabstick</b> is intended for professional or hospital use.
Composition comments	Contains: Purified water USP, Ethanol, Benzoin, Styrax, Aloe Gum, and Balsams tolu.





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#### 4. First Aid Measures

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<b>Inhalation</b>	If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	In case of skin irritation, discontinue use of product. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	If swallowed: Rinse mouth. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Get medical advice/attention if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. May cause redness and pain. May cause an allergic skin reaction. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take off all contaminated clothing immediately. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes. Keep away from sources of ignition. No smoking. Keep out of reach of children.

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#### 5. Fire Fighting Measures

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<b>Suitable extinguishing media</b>	Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Contains highly flammable liquid and vapor.





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## 6. Accidental Release Measures

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<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate protective equipment and clothing during clean-up. Avoid contact with eyes. Ventilate closed spaces before entering them. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Pick up and discard in trash. Wipe or mop up liquid, if any, and dispose properly. For waste disposal, see Section 13 of the SDS.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.

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## 7. Handling and Storage

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<b>Precautions for safe handling</b>	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Provide adequate ventilation. Avoid contact with eyes. Use good industrial hygiene practices in handling this material.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep away from heat, sparks and open flame. Store away from incompatible materials (see Section 10 of the SDS). Keep container tightly closed. Keep out of reach of children.

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## 8. Exposure Controls / Personal Protection

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<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.
<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Follow standard industrial hygiene practices.
<b>Skin protection</b>	
<b>Hand protection</b>	Follow standard industrial hygiene practices.
<b>Other</b>	As required by employer code.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.  Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Wear positive pressure self-contained breathing apparatus (SCBA).
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	When using do not smoke. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.



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## 9. Physical and Chemical Properties

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Appearance	Swabstick saturated with liquid
Physical state	Solid.
Form	Swabstick saturated with liquid
Color	Dark brown
Odor	Characteristic
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C)
Pour point	Not available.
Specific gravity	0.870 - 0.885
Partition coefficient (n-octanol/water)	Not available.
Flash point	64.4 °F (18.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.



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## 10. Stability and Reactivity

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<b>Reactivity</b>	May react with incompatible materials.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Avoid heat, sparks, open flames and other ignition sources. Do not mix with other chemicals. Contact with incompatible materials.
<b>Incompatible materials</b>	Acids. Caustics. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.



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## 11. Toxicological Information

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### Information on likely routes of exposure

<b>Ingestion</b>	May result in obstruction and irritation if ingested. May cause stomach distress, nausea or vomiting.
<b>Inhalation</b>	Health injuries are not known or expected under normal use. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
<b>Skin contact</b>	May be irritating to the skin. May cause an allergic skin reaction.
<b>Eye contact</b>	May be irritating to eyes.

### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.  
May cause redness and pain.  
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
May cause an allergic skin reaction.

### Information on toxicological effects

<b>Acute toxicity</b>	May cause an allergic skin reaction.
<b>Skin corrosion/irritation</b>	May cause irritation.
<b>Exposure minutes</b>	Not available.
<b>Erythema value</b>	Not available.
<b>Oedema value</b>	Not available.
<b>Serious eye damage/eye irritation</b>	May cause irritation.
<b>Corneal opacity value</b>	Not available.
<b>Iris lesion value</b>	Not available.
<b>Conjunctival reddening value</b>	Not available.
<b>Conjunctival oedema value</b>	Not available.
<b>Recover days</b>	Not available.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	Non-hazardous by OSHA criteria.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

<b>Reproductive toxicity</b>	The finished product is not expected to have chronic health effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	Not available.
<b>Further information</b>	Not available.



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## 12. Ecological Information

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<b>Ecotoxicity</b>	See below
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Mobility in general</b>	Not available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Review federal, state and local government requirements prior to disposal. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	See above
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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## 14. Transport Information

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**U.S. Department of Transportation (DOT)**  
Not regulated as dangerous goods.  
Special Provision 47





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## 15. Regulatory Information

### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations See below

#### U.S. - Massachusetts - Right To Know List

Ethanol 64-17-5 Teratogen

#### U.S. - Minnesota - Hazardous Substance List

Ethanol 64-17-5 Present

#### U.S. - New Jersey - Right to Know Hazardous Substance List

Ethanol 64-17-5 sn 0844

#### U.S. - Pennsylvania - RTK (Right to Know) List

Ethanol 64-17-5 Present

#### U.S. - Rhode Island - Hazardous Substance List

Ethanol 64-17-5 Toxic; Flammable

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)



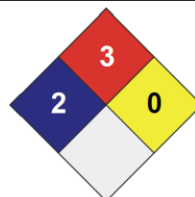


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## 16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



### Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

### Issue date

29-May-2015

### Further information

For any questions surrounding this SDS, please contact the supplier/manufacturer listed on the first page of the document.

Revision 0.  
Based on bulk liquid # 4OS424AS.

### Other information

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

### Prepared by

Professional Disposables International, Inc. Phone: 1-845-365-1700



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Reviewed on 5/9/16

## SAFETY DATA SHEET

### SECTION 1. Product and Company Identification

**PRODUCT NAME:** Alcohol Preparation Pads/Swab

**RECOMMENDED USE:** Topical skin antiseptic

**Product Code:** AM-20200, 1113, 1114, 1116, PK-1114

**Manufacturer's Name:** Dynarex Corporation

**Manufacturer's Address:** 10 Glenshaw Street  
Orangeburg, NY 10962

**Emergency or Information Phone No.:** 888-DYNAREX or 845-365-8200  
At other times, contact the local Poison Control Center

### SECTION 2. Hazards Identification

<u>Physical hazards</u>	Flammable solids	Category 1
<u>Health hazards</u>	Serious eye damage/eye irritation	Category 2A
<u>Environmental hazards</u>	Not determined.	
<u>OSHA defined hazards</u>	None additional.	



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### Label elements



Signal word  
Hazard statement



Danger  
Flammable solid  
Causes serious eye irritation

### Precautionary statement

#### Prevention

Keep away from heat/sparks/open flames/hot surfaces – No smoking. Use only in a well-ventilated area.

#### Response

If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. In case of fire: use appropriate media to extinguish.

#### Storage

Store in a well-ventilated place.

#### Disposal

Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise  
Classified (HNOC)

None known.



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## Supplemental information

### Main Hazards:

Highly flammable; irritation to eyes; vapor may cause drowsiness and dizziness

### Absorption:

Eye contact; ingestion; inhalation; skin contact

### Carcinogenic Status:

Not considered carcinogenic by NTP, IARC, and OSHA

### Target Organs:

Central nerves system; skin; eye; liver; respiratory system

### Health Effects:

#### **Eyes**

Liquid, mist or vapor will cause conjunctival irritation and possible corneal damage.

#### **Skin**

Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis. Liquid may be absorbed through the skin but not in toxicologically significant amounts, unless the contact area is large and under prolonged exposure.

#### **Ingestion**

Swallowing a small amount may have the effect of any of these symptoms: irritation of mouth, throat, digestive tract, and central nerves system depression.

A large dose may have the effect of any of these symptoms: dizziness, drowsiness, headache, mental confusion, nerve damage leading to numbness



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and muscle weakness, fall of blood pressure, liver damage, lung damage.

#### **Inhalation**

Exposure to vapor may have the effect of any of these symptoms: irritation of nose, throat and respiratory tract, central nerve system depression.

Exposure to vapor at high concentration may have the effects of any of these symptoms: dizziness, drowsiness, headache, mental confusion, lung damage, fall of blood pressure, liver damage, nerve damage leading to numbness and muscle weakness.

### **SECTION 3. Composition/information on Ingredients**

Hazardous Ingredients (specific)	% Composition	CAS Number
Isopropyl Alcohol (2-Propanol)	70%	67-63-0
Inactive Ingredient		
Water	30%	7732-18-5

### **SECTION 4. First-aid measures**

#### Eyes:

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

#### Skin:

Immediately flood the affected skin area with large quantity of water, preferably under a shower. Remove contaminated clothing and continue washing. Contaminated clothing should be washed thoroughly before re-use. Obtain medical attention if blistering of the skin occurs or redness persists.

#### Ingestion:

Do not induce vomiting. Have victim drink several large glasses of water to dilute the stomach contents. Give the victim oxygen if he/she has difficulty in



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breathing. Obtain medical attention immediately.

Inhalation:

Remove the victim from exposure immediately. Give the victim oxygen if he/she has difficulty in breathing. Obtain medical attention immediately.

MEDICAL PERSONNEL:

Monitor the victim for systemic secondary effects on liver and kidney functions. Support and treat as appropriate.

## **SECTION 5. Fire-fighting measures**

Flash Point – 20°C/68°F

Boiling Point – 80°C/176°F

Extinguishing Media – Dry Chemical or Alcohol Type Foam, Carbon Dioxide

Be aware of the possibility of re-ignition. Keep containers and surroundings cool with water spray.

Unusual Fire and Explosion Hazards –

Class 3 Flammability. Vapor can travel a considerable distance to a source of ignition and flashback. Flashback can occur if air temperature exceeds flash point. Be aware the possibility of re-ignition.

Special Fire Fighting Procedures –

Handle as Flammable Liquid. Use Respiratory Protection. Wear full protective clothing for Fire Fighting Personnel.

## **SECTION 6. Accidental release measures**

- Flush spills with water.





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- Contain and absorb using soil, sand, or other inert material.
- Vapor can accumulate in low areas. Consider the need for evacuation.
- Prevent the material from entering drains or water courses.

## **SECTION 7. Handling and storage**

- Eliminate all sources of ignition. Store away from heat.
- Store in well ventilated area.
- Handle as flammable liquid. Follow local, state and federal regulations.
- Avoid inhaling vapor. Avoid contact with eyes, skin and clothing.
- Wear eye protection if splashing is expected.
- Wear appropriate protective clothing.
- Use respirator if exposure level is high when handling bulk liquid.
- Keep container tightly closed when not in use.

## **SECTION 8. Exposure controls/personal protection**

- OSHA Occupation Exposure Standards PEL 400ppm (980mg/m<sup>3</sup>) 8h TWA
- UK EH40: OES 400ppm (980mg/m<sup>3</sup>) 8h TWA
- UK EH40: OES 500ppm (1225mg/m<sup>3</sup>) 15min TWA
- ACGIH: TLV 200ppm (980mg/m<sup>3</sup>) 8h TWA
- ACGIH: STEL 400ppm (1225mg/m<sup>3</sup>) 15min TWA
- Personal Protective Equipment
  - Gloves
  - Eye
  - Clothing

## **SECTION 9. Physical and chemical properties**

Appearance – Liquid Saturated Towelette / Pad / Swab



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Color – Clear  
Odor – Alcohol  
Vapor Density – 2.1 (Air = 1)  
Viscosity (cSt) – 2.9 cps at <@2> °C

Evaporation Rate – Environmental Dependent  
Water Solubility – Complete  
Specific Gravity – 0.8405

## SECTION 10. Stability and reactivity

Stability –	Stable under normal conditions
Conditions to Avoid –	None
Incompatibility –	None
Hazardous Decomposition or By-product –	Oxides of carbon
Polymerization –	Will Not Occur.

## SECTION 11. Toxicological information

### Acute Toxicity

- Low level of acute toxicity predicted.
- May be harmful by skin absorption.
- Oral LD50 (rat) 5045mg/kg.
- Dermal LD50 (rabbit) 12800mg/kg.
- Inhalation LCLO (rat) 1600ppm 4h.

### Chronic Toxicity / Carcinogenicity

- Material not expected to cause long-term adverse health effects.
- Material not classifiable as to its carcinogenicity to humans (Group 3).
- Chronic / Sub-chronic studies resulted in adverse effects to:



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- Liver, spleen, biochemical effects, brain tissue degeneration, changes in reflex behavior, sensory nerve damage.

#### Genealogy Toxicity

- Material is not expected to cause any mutagenic effects.

#### Reproductive / Developmental Toxicity

- Material is not expected to cause reproductive or developmental health effects.
- Experimental studies in animals have provided some evidence of embryo / fetus toxicity and birth defects only at doses producing marked maternal toxicity.

### **SECTION 12. Ecological information**

- Mobility
- If released to soil, IPA is expected to have very high mobility
- Persistence / Degradability
- IPA is readily degraded in aerobic aqueous systems
- Bio-accumulation
- Low potential for bio-concentration in aquatic organisms

### **SECTION 13. Disposal considerations**

- Transfer into suitable containers for recovery or disposal.
- Dispose in accordance with all applicable local and national regulations.
- Do not remove labels from container until the container has been cleaned.
- Do not cut, puncture or weld on or near the container.
- Do not incinerate closed containers.
- Empty containers may contain hazardous residues



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## SECTION 14. Transport information

### US DOT Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN/NA #:** Not regulated per 49 CFR, Special Provision 47 (for rail and road transport in the USA)

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional Information:** No additional information available

### IATA Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IATA, Special Provision A46

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** Consult current IATA regulations prior to shipping by air

### IMDG Information:

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated, as per IMDG Code, Special Provision 216

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available



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**TDG Information:**

**Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**UN#:** Not regulated

**Packing Group:** Not applicable

**Required Label(s):** Not applicable

**Additional information:** No additional information available

**SECTION 15. Regulatory information**

This product is compliant with the following:

- EU Label: Classification and labeling have been performed according to EU Directive 67/548/EEC and 99/45/EC including amendments
- EU Hazard Symbol and Indication of Danger
- F – Highly flammable
- Xi – Irritant
- R11 – Highly flammable
- R36 – Irritating to eyes
- R67 – Vapors may cause drowsiness and dizziness
- S2 – Keep out of reach of children
- S7 – Keep container tightly closed
- S16 – Keep away from sources of ignition – No smoking
- S24 / S25 – Avoid contact with skin and eyes
- S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- US (Federal and State) Regulations and International Chemical Registration Laws TSCA listing
- This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory





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- This product does not contain any chemicals subject to EPA Title III of the SARA Listing in Sections 302 and 304
- All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substance (EINECS Listing) or are exempted from listing
- All ingredients in this product are listed on the Canada Domestic Substance List (DSL Listing)

## **SECTION 16. Other information**

### **Disclaimer:**

This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.





## Sterile Saline Solution

NTI #: 18-807  
Rev. Date: 23SEP12

1. Product and Company Identification:	<b>Company:</b> Nova-Tech, Inc. <b>Address:</b> 4705 Gold Core Road, Grand Island, NE 68801 <b>Telephone:</b> 308-381-8841 <b>Fax:</b> 308-381-6038
2. Hazards Identification:	<b>Emergency Overview:</b> Health injuries are not known or expected under normal use. <b>OSHA Regulatory Status:</b> Please see details below. <b>Potential Health Effects</b> <b>Routes of Exposure:</b> Ingestion, inhalation, skin contact, or eye contact. <b>Eyes:</b> May cause eye irritation. <b>Skin:</b> May cause skin irritation. <b>Inhalation:</b> Not known. <b>Ingestion:</b> Ingestion may cause vomiting and medical problems. <b>Potential environmental effects:</b> Ecological injuries are not known or expected under normal use.
3. Composition / Information on Ingredients:	Sodium Chloride Water for Injection
4. First Aid Measures:	<b>First Aid Procedures</b> <b>Eye Contact:</b> Immediately flush with water for 15 minutes. If symptoms persist, call physician <b>Skin Contact:</b> Wash thoroughly with soap and water. If irritation develops, call physician. <b>Inhalation:</b> If not breathing, provide CPR. Otherwise move to area with fresh air. If symptoms persist, call physician. <b>Ingestion:</b> If victim is conscious, do not induce vomiting. Rinse mouth with water and drink one glass of water. If victim is unconscious, losing consciousness, or convulsing, do not give anything by mouth. If adverse reactions occur, seek medical attention and contact. <b>General Advice:</b> If you feel unwell, seek medical advice (show label when possible).
5. Fire Fighting Measures:	<b>Flammable Properties:</b> This product is not flammable. No unusual fire or explosion hazards noted. <b>Extinguishing Media:</b> As appropriate for surrounding materials. <b>Protection of Firefighters</b> <b>Specific Hazards Arising from the Chemical:</b> N/A <b>Protective Equipment and Precautions for Firefighters:</b> N/A <b>Specific Methods:</b> N/A
6. Accidental Release Measures:	<b>Personnel Precautions:</b> Keep unnecessary personnel away. <b>Environmental Precautions:</b> Avoid discharge into drains, water courses, or on ground. <b>Methods for containment:</b> If safe to do so, stop source of leak. <b>Methods for Cleaning Up:</b> For small spillage: Absorb with sand or other non-combustible absorbent material and place in labeled containers for later disposal. Large spillage: Dam and absorb spillage with sand, sawdust, or other absorbent material. Following product recovery and placement in labeled disposal containers, flush area with water and clean thoroughly.



## Sterile Saline Solution

NTI #: 18-807  
Rev. Date: 23SEP12

**7. Handling and Storage:** **Handling:** Avoid contact with eyes, skin, and clothing. Handle in accordance with good industrial hygiene and safety practice.  
**Storage:** Use care in handling/storage. Store in tightly closed containers in a dry cool place per label directions.

**8. Exposure Controls / Personal Protection:** **Engineering Controls:** Provide adequate ventilation  
**Personal Protective Equipment**  
**Eye / Face Protection:** Safety glasses.  
**Skin Protection:** Gloves.  
**Respiratory Protection:** Not required for normal use of this material.  
**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties:** **Appearance:** Liquid  
**Physical State:** Liquid  
**Form:** Aqueous Solution  
**Color Light:** Clear, Colorless  
**Odor:** None  
**Boiling Point:** 100° - 110°C  
**Flash Point:** N/A  
**Flammability:** Non-flammable  
**Vapor Pressure:** N/A  
**Density:** No Data Available  
**Solubility (Water):** Miscible  
**Viscosity:** No Data Available  
**Vapor Density:** N/A  
**Evaporation Rate:** No Data Available  
**Melting Point:** N/A  
**Freezing Point:** No Data Available  
**Burning Index:** No Data Available

**10. Chemical Stability and Reactivity Information:** **Chemical Stability:** Material is stable under normal conditions.  
**Hazardous Decomposition Products:** Not known.  
**Possibility of hazardous reactions:** Not expected to occur.

**11. Toxicological Information:** **Toxicological Data**  
**Product:** Sterile Saline Solution  
**Sensitization:** No Data Available  
**Chronic Effects:** No Data Available  
**Carcinogenicity:** No Data Available  
**Skin Corrosion / Irritation:** No Data Available  
**Epidemiology:** No Data Available  
**Mutagenicity:** No Data Available  
**Neurological Effects:** No Data Available  
**Reproductive Effects:** No Data Available  
**Teratogenicity:** No Data Available  
**Further Information:** No Data Available



## Sterile Saline Solution

NTI #: 18-807  
Rev. Date: 23SEP12

**12. Ecological Information:** **Ecotoxicological Data**  
**Components:** No Data Available  
**Test Results:** No Data Available  
**Ecotoxicity:** No Data Available  
**Environmental Effects:** No Data Available  
**Persistence and Degradability:** No Data Available

**13. Disposal Considerations:** **Disposal Instructions:** According to Federal regulations (40CFR 261.4 (b) (4)), it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Disposal should be in accordance with all applicable regulations.

**14. Transport Information:** **DOT:** Not regulated as dangerous goods.

**15. Regulatory Information:** **US Federal Regulations:** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.  
**CERCLA/SARA Hazardous Substances:** Not applicable.  
**CERCLA (Superfund) Reportable Quantity:** None.  
**Superfund Amendments and Reauthorization Act of 1986 (SARA)**  
Hazard Categories Immediate Hazard – No  
Delayed Hazard – No  
Fire Hazard – No  
Pressure Hazard – No  
Reactivity Hazard – No  
**Section 302 Extremely Hazardous Substance:** No  
**Section 311 Hazardous Chemical:** No

**16. Other Information:**  
**Prepared By:** Nova-Tech, Inc. – Tel: 308-381-8841  
**Date:** 23 SEP 12  
**Disclaimer:**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS

# Save a Tooth

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 08/15/2016

Date of issue: 08/15/2016

Supersedes Date: 12/01/2015

Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Save a Tooth

**Product Code:** A100

#### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Product will preserve the cells on the periodontic ligament (root) of an avulsed (knocked out) tooth.

#### 1.3. Name, Address, and Telephone of the Responsible Party

##### Manufacturer:

Phoenix-Lazarus, Inc.

2525 N Hayden Island Drive

Portland, OR 97217

888-788-6684

[www.saveatooth.com](http://www.saveatooth.com)

#### 1.4. Emergency Telephone Number

**Emergency Number** : 888-788-6684

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS-US classification

Not classified

#### 2.2. Label Elements

##### GHS-US Labeling

No labeling applicable

#### 2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

#### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**First-aid Measures After Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-aid Measures After Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:** None expected under normal conditions of use.

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** Ingestion is not likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

# Save a Tooth

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Product is not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions. Sodium chloride becomes corrosive to metals when wet and may evolve chlorine gas when in contact with strong acids.

#### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Handle in accordance with good industrial hygiene and safety practice.

##### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

#### 6.4. Reference to Other Sections

See Section 13, Disposal Considerations. See Section 8, Exposure Controls and Personal Protection.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for Safe Handling

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

#### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Do not open prior to use. Teeth from more than one person should not be put in the same container.

Containers that are open for more than 24 hours prior to use should not be used.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

#### 7.3. Specific End Use(s)

Product will preserve the cells on the periodontic ligament (root) of an avulsed (knocked out) tooth.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

#### 8.2. Exposure Controls

**Appropriate Engineering Controls** : Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

# Save a Tooth

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Personal Protective Equipment

: Not generally required. The use of personal protective equipment may be necessary as conditions warrant. Protective goggles. Gloves.



### Materials for Protective Clothing

: Wear suitable protective clothing.

### Hand Protection

: Wear chemically resistant protective gloves.

### Eye Protection

: Chemical goggles or safety glasses.

### Skin and Body Protection

: Wash contaminated clothing before reuse.

### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

### Other Information

: When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Transparent, yellowish, tea colored
Odor	: Light, sweet odor
Odor Threshold	: No data available
pH	: 6.3 - 6.8
Evaporation Rate	: No data available
Melting Point	: -7 °C (19.4 °F)
Freezing Point	: -7 °C (19.4 °F)
Boiling Point	: 105 °C (221 °F)
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: 0.2 - 4.7 mm Hg
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Specific Gravity	: 1.02 - 1.20
Specific gravity / density	: 1.0046 g/ml
Solubility	: 100% in water
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions. Sodium chloride becomes corrosive to metals when wet and may evolve chlorine gas when in contact with strong acids.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. Incompatible Materials:** Strong bases. Strong oxidizers. Strong acids.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Sodium oxides. Hydrogen chloride gas.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not classified

**Skin Corrosion/Irritation:** Not classified

**pH:** 6.3 - 6.8

**Serious Eye Damage/Irritation:** Not classified

**pH:** 6.3 - 6.8



# Save a Tooth

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** Ingestion is not likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity** Not classified

**12.2. Persistence and Degradability** No additional information available

**12.3. Bioaccumulative Potential** No additional information available

**12.4. Mobility in Soil** No additional information available

**12.5. Other Adverse Effects**

**Other Information** : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

**15.1 US Federal Regulations** Neither this product nor its chemical components appear on any US federal lists.

**15.2 US State Regulations** Neither this product nor its chemical components appear on any US state lists.

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 08/15/2016

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)



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Reviewed on 7/12/17

## SAFETY DATA SHEET

### SECTION 1. Product and Company Identification

**PRODUCT NAME:** BZK Antiseptic Towelette

**PRODUCT USE:** Antiseptic

**Product Code:** 1303, 1331

**Manufacturer's Name:** Dynarex Corporation

**Manufacturer's Address:** 10 Glenshaw Street  
Orangeburg, NY 10962

**Emergency or Information Phone No.:** 888-DYNAREX or 845-365-8200  
At other times, contact the local Poison Control Center

### SECTION 2. Hazards Identification

Physical hazards	Not classified
Health hazards	Not classified
• Environmental hazards	Not determined
OSHA defined hazards	Not classified
Label elements	
• Hazard symbol	None
• Signal word	Not available
• Hazard statement	Not available
• Precautionary statement	
○ Prevention	Not available
○ Response	Not available
○ Storage	Not available
○ Disposal	Not available
Hazard(s) not otherwise classified (HNOC)	None known
Supplemental information	None



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## SECTION 3. Composition/information on Ingredients

Ingredients	CAS Number	%
BZK	8001-54-5	0.13
Water	7732-18-5	99.87

## SECTION 4. First-aid measures

### First aid procedures

#### Eye Contact

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

#### Skin Contact

In case of skin irritation, discontinue use of product.

#### Inhalation

Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

#### Ingestion

Not a normal route of exposure. Do not induce vomiting, Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

#### Notes to physician

Symptoms may be delayed.

#### General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children. Avoid contact with eyes.

#### Flammable Limits: N/A

Flash Point: N/A



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## SECTION 5. Fire-fighting measures

**Flash Point:** Not Available

**Flammable Limits:** Not Available

**Extinguishing Media:** Any

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

## SECTION 6. Accidental release measures

<b>Personal precautions:</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment:</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up:</b>	Pick up and discard towel.

## SECTION 7. Handling and storage

<b>Handling:</b>	Use good industrial hygiene practices in handling this material.
<b>Storage:</b>	Keep out of reach of children. Store in a closed container away from incompatible materials.

## SECTION 8. Exposure controls/personal protection

<b>Engineering controls:</b>	General ventilation normally adequate.
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**Personal protective equipment**



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<b>Eye/Face protection</b>	Follow standard industrial hygiene practices.
<b>Hand protection</b>	Not required.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use and approved NIOSH respirator.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

## SECTION 9. Physical and chemical properties

<b>Appearance/Odor:</b>	Liquid saturated on wipe
<b>Color:</b>	Clear liquid
<b>Form:</b>	Liquid saturated on wipe
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not available
<b>Physical State:</b>	Solid
<b>Boiling Point:</b>	<200°F
<b>Paper Components:</b>	100% Virgin Paper
<b>Specific Gravity:</b>	1

## SECTION 10. Stability and reactivity

**Chemical Stability:** Stable under recommended storage conditions.  
**Incompatibility:** Caustics. Acids. Oxidizers.  
**Hazardous Decomposition Products:** May include and are not limited to: oxides of carbon; hydrogen chloride.  
**Hazardous Polymerization:** Will not occur.  
**Conditions to avoid:** Do not mix with other chemicals.

## SECTION 11. Toxicological information

### Effects of acute exposure

<b>Eye</b>	May cause irritation
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<b>Skin</b>	In case of skin irritation, discontinue use of the product.
<b>Inhalation</b>	Not a normal route of exposure. May cause respiratory tract irritation.
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Chronic Effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Carcinogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Reproductive Effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.

## SECTION 12. Ecological information

**Ecotoxicity** Not available

**Environmental effects** Not available

**Aquatic toxicity** Not available

**Persistence / degradability** Not available

**Bioaccumulation / accumulation** Not available

**Partition coefficient** Not available

**Mobility in environmental media** Not available

**Chemical fate information** Not available

**Other adverse effects** Not available

## SECTION 13. Disposal considerations

**Waste codes:** Not available





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**Disposal instructions:** Discard after single use.

Review federal, state/provincial, and local government requirements prior to disposal.

Discard with solid waste. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products:** Not available

**Contaminated packaging:** Not available

## SECTION 14. Transport information

**U.S. Department of Transportation (DOT)** Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG - Canada)** Not regulated as dangerous goods.

## SECTION 15. Regulatory information

**Occupational Safety and Health Administration (OSHA)**  
29 CFR 1910.1200 hazardous No chemical

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

**Safe Drinking Water Act (SDWA)** Not available

**Drug Enforcement Agency (DEA)** Not available

**Food and Drug Administration (FDA)** Not available



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## **SECTION 16. Other information**

### **Disclaimer:**

This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.



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Reviewed on 7/12/17

## SAFETY DATA SHEET

### SECTION 1. Product and Company Identification

**PRODUCT NAME:** Cleansing Towelette

**PRODUCT USE:** Antiseptic

**Product Code:** 1301

**Manufacturer's Name:** Dynarex Corporation

**Manufacturer's Address:** 10 Glenshaw Street  
Orangeburg, NY 10962

**Emergency or Information Phone No.:** 888-DYNAREX or 845-365-8200  
At other times, contact the local Poison Control Center

### SECTION 2. Hazards Identification

Physical hazards	Not classified
Health hazards	Not classified
• Environmental hazards	Not determined
OSHA defined hazards	Not classified
Label elements	
• Hazard symbol	None
• Signal word	Not available
• Hazard statement	Not available
• Precautionary statement	
○ Prevention	Not available
○ Response	Not available
○ Storage	Not available
○ Disposal	Not available
Hazard(s) not otherwise classified (HNOC)	None known
Supplemental information	None



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## SECTION 3. Composition/information on Ingredients

Ingredients	CAS Number	%
SD Alcohol 40	64-17-5	5
BZK	8001-54-5	0.13
Water	7732-18-5	94.87

## SECTION 4. First-aid measures

### First aid procedures

#### Eye Contact

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

#### Skin Contact

In case of skin irritation, discontinue use of product.

#### Inhalation

Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

#### Ingestion

Not a normal route of exposure. Do not induce vomiting, Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

#### Notes to physician

Symptoms may be delayed.

#### General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children. Avoid contact with eyes.

#### Flammable Limits:

N/A

#### Flash Point:

N/A



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## SECTION 5. Fire-fighting measures

**Flash Point (Method Used):** 140°F (OC)

**Flammable Limits:** Moderate

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Use carbon dioxide or dry chemical for small fires: Alcohol type foam for large fires.

**Special Fire Fighting Procedures:** Handle as flammable liquid.

**Unusual Fire and Explosion Hazards:** N/A

## SECTION 6. Accidental release measures

<b>Personal precautions:</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment:</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up:</b>	Pick up and discard towel.

## SECTION 7. Handling and storage

<b>Handling:</b>	Use good industrial hygiene practices in handling this material.
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<b>Storage:</b>	Keep out of reach of children. Store in a closed container away from incompatible materials.
-----------------	--

## SECTION 8. Exposure controls/personal protection

<b>Engineering controls:</b>	General ventilation normally adequate.
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**Personal protective equipment**



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<b>Eye/Face protection</b>	Protective eyewear.
<b>Hand protection</b>	Not required.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	If permissible exposure level is exceeded, use NIOSH approved respirator.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

## SECTION 9. Physical and chemical properties

<b>Appearance/Odor:</b>	Liquid saturated on wipe
<b>Color:</b>	Clear liquid
<b>Form:</b>	Liquid saturated on wipe
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not available
<b>Physical State:</b>	Solid
<b>Boiling Point:</b>	<200°F
<b>Paper Components:</b>	100% Virgin Paper
<b>Specific Gravity:</b>	1

## SECTION 10. Stability and reactivity

**Chemical Stability:** Stable under recommended storage conditions.  
**Incompatibility:** Caustics. Acids. Oxidizers.  
**Hazardous Decomposition Products:** May include and are not limited to: oxides of carbon; hydrogen chloride.  
**Hazardous Polymerization:** Will not occur.  
**Conditions to avoid:** Do not mix with other chemicals.

## SECTION 11. Toxicological information

**Effects of acute exposure**





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<b>Eye</b>	May cause irritation
<b>Skin</b>	In case of skin irritation, discontinue use of the product.
<b>Inhalation</b>	Not a normal route of exposure. May cause respiratory tract irritation.
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Chronic Effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Carcinogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Reproductive Effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.

## SECTION 12. Ecological information

**Ecotoxicity** Not available

**Environmental effects** Not available

**Aquatic toxicity** Not available

**Persistence / degradability** Not available

**Bioaccumulation / accumulation** Not available

**Partition coefficient** Not available

**Mobility in environmental media** Not available

**Chemical fate information** Not available

**Other adverse effects** Not available

## SECTION 13. Disposal considerations



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**Waste codes:** Not available

**Disposal instructions:** Discard after single use.

Review federal, state/provincial, and local government requirements prior to disposal.

Discard with solid waste. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products:** Not available

**Contaminated packaging:** Not available

## SECTION 14. Transport information

**U.S. Department of Transportation (DOT)** Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG - Canada)** Not regulated as dangerous goods.

## SECTION 15. Regulatory information

**Occupational Safety and Health Administration (OSHA)**  
29 CFR 1910.1200 hazardous No chemical

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

**Safe Drinking Water Act (SDWA)** Not available

**Drug Enforcement Agency (DEA)** Not available

**Food and Drug Administration (FDA)** Not available



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## **SECTION 16. Other information**

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Reorder #'s 1180 thru 1185

Reviewed on 6/7/2016

## Safety Data Sheet

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product/Trade Name: Triple Antibiotic Ointment.

Manufacturer's Name: Dynarex Corporation

Manufacturer's Address: 10 Glenshaw Street  
Orangeburg, NY 10962

Emergency or Information Phone No.: 888-DYNAREX or 845-365-8200

No.: At other times, contact the local Poison Control Center

Other means of identification: First aid ointment

Recommended use of the chemical and restrictions on use: First aid to help prevent infection in minor cuts, scrapes, and burns.  
Do Not Use - • in the eye • If you are allergic to any of the ingredients.  
•Over a large area of the body. •Longer than 1 week unless directed by a doctor.

### SECTION 2: HAZARD(S) IDENTIFICATION

**Appearance:** Off white smooth ointment

**Label Elements:** The product does not need to be labeled in accordance with EU directives

**Statement of Hazard:** Non-hazardous in accordance with international standards for workplace safety.

**EU Indication of danger:** Not classified dangerous as per EU directives.

Component Name	CAS#/Codes	Concentration	Risk Phrases	Safety Phrases
White Petrolatum	8009-03-08	60%	R11, R36	S2, S16, S25,S26
Light Liquid Paraffin	8042-47-5	10%		
Bacitracin Zinc	1405-89-6	10%		
Polymyxin b	1404-26-8	10%		
Neomycin Sulfate	1405-10-3	10%		



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Fax: (845) 365-8201

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS:

**Composition:** Each gm contains  
Bacitracin Zinc BP 400 units  
Neomycin Sulphate BP 5 mg  
equivalent to 3.5 m  
Polymyxin B Sulphate USP 5000 units

Name of Compound	CAS No	EINEC No	Hazard Symbol
Bacitracin Zinc	1405-89-6	215-787-8	None
Neomycin Sulphate	1405-10-3	215-773-1	None
Polymyxin Sulfate	1405-20-5	215-774-7	None

### SECTION 4: FIRST-AID MEASURES

**Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately

**Skin Contact:** Remove contaminated clothing. Flush area with large amount of water. Use soap. Seek medical attention immediately

**Ingestion:** Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek medical attention immediately

**Inhalation:** Move to fresh air and keep patient at rest. Seek medical attention immediately

### SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Use Carbon dioxide, dry chemical or water spray

Fire Fighting Procedures: During all firefighting activities wear appropriate protective equipment, including self-contained breathing apparatus

Fire/explosion Hazards: Fine particles (Such as dust & mists) may fuel fires/explosions

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment.

Sweep up or absorb material then place into a suitable, clean, dry, closed container for disposal.





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**Toll Free:** (888) DYNAREX \* **Website:** [www.thcnet.com](http://www.thcnet.com)  
**Fax:** (845) 365-8201

## SECTION 7: HANDLING AND STORAGE

Wash thoroughly after handling. Keep tube tightly closed. Avoid contact with skin and eyes.

Storage: Store at a temperature below 25°C

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Controls:** No data available

**Engineering Controls:** Special precautions are not necessary. General room ventilation is means to control exposures. Keep airborne contamination level below exposure limits

**Personal Protective Equipments:**

Eyes-Wear appropriate protective eyeglasses or chemical safety goggles

Clothing- Wear appropriate protective clothing to minimize contact with skin

Respirators- Use approved respirator if exposure limit are exceeded or if irritation or other symptoms are experienced

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off White colored smooth ointment

Odor: Odorless

Molecular Formula: Mixture

Molecular Weight: Mixture

pH: 5.0 to 7.0

Viscosity: 300 to 800 cp

## SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use

Conditions to avoid: High Temperatures

INCOMPATIBLE Materials: Not Available

Hazardous decomposition products: No data available

Hazardous Polymerization: Has not been reported





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**Fax:** (845) 365-8201

## SECTION 11: TOXICOLOGICAL INFORMATION

Chronic Potential Health Effects: Allergic reactions are possible.  
Germ Cell Mutagenicity: Not Available  
Carcinogenicity: Not Available  
Reproductive toxicity: Not Available  
Specific Target Organ Toxicity: Not Available

## SECTION 12: ECOLOGICAL INFORMATION

Ecological Toxicity: No data available  
Mobility in Soil: No data available  
Other adverse effects: No data available

## SECTION 13: DISPOSAL CONSIDERATION

Dispose of waste in accordance with all applicable laws & regulation

## SECTION 14: TRANSPORT INFORMATION

Shipping Name: Not Available  
UN Number: Not Available  
Hazard Class: Not Available  
Packing Group: Not Available

## SECTION 15: REGULATORY INFORMATION

This Safety Data Sheet complies as per the regulation of EC Directives

## SECTION 16: OTHER INFORMATION

### Disclaimer:

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