SAFETY DATA SHEET

EFFECTIVE DATE: 12/02/15

ITEM: Deluxe Roadside Emergency Kit

<table>
<thead>
<tr>
<th>PART #</th>
<th>UPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>8901</td>
<td>039147089012</td>
</tr>
<tr>
<td>8901S</td>
<td></td>
</tr>
</tbody>
</table>

CONTENTS:
- Alcohol Prep / Swab SDS
- Antiseptic Towelette SDS
- Battery SDS
- First Aid Burn Cream SDS
- Fusee SDS
- Instant Cold Pack SDS
- Lightstick SDS
- Moist Towelette SDS
- Sting and Bite Pad SDS

SHIPPING INFORMATION
Consumer Commodity, ORM-D
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

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 nervous system depression.

Ingestion – A large dose may have the effect of any of these symptoms: dizziness, drowsiness, headache, mental confusion, nerve damage leading to numbness 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.

Inhalation – 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

<table>
<thead>
<tr>
<th>Hazardous Ingredients (specific)</th>
<th>% Composition</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol (2-Propanol)</td>
<td>70%</td>
<td>67-63-0</td>
</tr>
<tr>
<td>Inactive Ingredient</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>30%</td>
<td>7732-18-5</td>
</tr>
</tbody>
</table>
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 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.
- 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/m3) 8h TWA
- UK EH40: OES 400ppm (980mg/m3) 8h TWA
- UK EH40: OES 500ppm (1225mg/m3) 15min TWA
- ACGIH: TLV 200ppm (980mg/m3) 8h TWA
- ACGIH: STEL 400ppm (1225mg/m3) 15min TWA
- Personal Protective Equipment
  - Gloves
  - Eye
  - Clothing

SECTION 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid Saturated Towelette / Pad / Swab</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>2.1 (Air = 1)</td>
</tr>
<tr>
<td>Viscosity (cSt)</td>
<td>2.9 cps at &lt;@2&gt; °C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Environmental Dependent</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Complete</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.8405</td>
</tr>
</tbody>
</table>

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:
  - 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 does 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

SECTION 14. Transport information

DOT CFR 172.101
Not regulated per 49 CFR 173.4 Small Quantity Exemption

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
• 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.
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

Emergency Overview Contact with liquid may cause eye and skin irritation

Potential short term health effects

Routes of exposure Eye, skin contact, skin absorption, Inhalation, Ingestion.

Eyes May cause irritation.

Skin In case of skin irritation, discontinue use of the product.

Inhalation Not a normal route of exposure. May cause respiratory tract irritation.

Ingestion Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
Target organs
Eyes. Skin

Chronic effects
Prolonged or repeated exposure can cause drying, defatting, and dermatitis.

Signs and symptoms
Symptoms may include redness, edema, drying, defatting, and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea.

SECTION 3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>BZK</td>
<td>8001-54-5</td>
<td>0.13</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>99.87</td>
</tr>
</tbody>
</table>

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

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

Personal precautions: 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.
Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up: Pick up and discard towel.

SECTION 7. Handling and storage

Handling: Use good industrial hygiene practices in handling this material.

Storage: Keep out of reach of children. Store in a closed container away from incompatible materials.
SECTION 8. Exposure controls/personal protection

Engineering controls: General ventilation normally adequate.

Personal protective equipment

Eye/Face protection Follow standard industrial hygiene practices.
Hand protection Not required.
Skin and body protection As required by employer code.

Respiratory protection Where exposure guideline levels may be exceeded, use and approved NIOSH respirator.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

SECTION 9. Physical and chemical properties

Appearance/Odor: Liquid saturated on wipe
Color: Clear liquid
Form: Liquid saturated on wipe
Odor: Characteristic
Odor Threshold: Not available
Physical State: Solid
Boiling Point: <200°F
Paper Components: 100% Virgin Paper
Specific Gravity: 1

SECTION 10. Stability and reactivity

Chemical Stability: Stable under recommended storage conditions.
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

Eye May cause irritation
Skin In case of skin irritation, discontinue use of the product.
Inhalation Not a normal route of exposure. May cause respiratory tract irritation.
Ingestion Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

Sensitization Non-hazardous by WHMIS/OSHA criteria.
Chronic Effects Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity Non-hazardous by WHMIS/OSHA criteria.
Reproductive Effects Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity 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

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

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.

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 U.S. EPA TSCA Inventory List.

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous No chemical

CERCLA (Superfund) reportable quantity
Benzene: 10.0000
Benzene, methyl-: 1000.0000
Benzene, (chloromethyl)-: 100.0000
Propylene oxide: 100.0000

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

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

State regulations WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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.
1. IDENTIFICATION

PRODUCT NAME: Zinc Chloride Battery  
SIZES: All sizes  
EMERGENCY HOTLINE: 800-424-9300 (24 hr, Chemtrec)  
EDITION DATE: 08/11/2014

2. HAZARD IDENTIFICATION

We would like to inform our customers that these batteries are exempt articles and are not subject to the 29 CFR 1910.1200 OSHA requirements, Canadian WHMIS requirements or GHS requirements.

Emergency Overview

- OSHA Hazards-not applicable
- Target Organs-not applicable
- GHS Classification-not applicable
- GHS Label Elements, including precautionary Statement-not applicable
- Pictogram-not applicable
- Signal words-not applicable
- Hazard statements-not applicable
- Precautionary statements-not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS #</th>
<th>%</th>
<th>TLV*/**TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>7439-89-6</td>
<td>8-14</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Manganese Dioxide</td>
<td>1313-13-9</td>
<td>28-32</td>
<td>&lt;5.0 mg/m³ (TWA)</td>
</tr>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
<td>16-20</td>
<td>5.0 mg/m³ (ZnOas Fume)</td>
</tr>
<tr>
<td>Acetylene Black</td>
<td>1333-86-4</td>
<td>7-13</td>
<td>3.5 mg/m³ (Carbon Black, TWA)</td>
</tr>
<tr>
<td>Ammonium Chloride</td>
<td>12125-02-9</td>
<td>1-3</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Zinc Chloride</td>
<td>7646-85-7</td>
<td>6-10</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>&lt;0.02</td>
<td>50 ug/m³ (TWA)</td>
</tr>
<tr>
<td>Water, paper, plastic, other</td>
<td>---</td>
<td>Balance</td>
<td>---</td>
</tr>
</tbody>
</table>

*Source: OSHA 29 CFR 1910.1000 Table Z-1, 2 or 3  11-01-2012
4. **First Aid Information**

**Threshold Limit Value (TLV) and Source:** NA

**Effects of Overexposure:** None (see section 2 and 4 for fire or rupture situations)

**Emergency First Aid Procedures:**

**Skin and Eyes:**
In the event that battery ruptures, flush exposed skin with flowing lukewarm water for a minimum of 15 minutes. Get immediate medical attention for eyes. Wash skin with soap and water.

**Swallowing:**
*If you or your doctor suspects that a battery has been ingested-for assistance in the US call the NATIONAL BATTERY INGESTION HOTLINE any time at (202) 625-3333: in Canada call 416-813-5900.*

For more information, please visit:

5. **Fire Fighting Measures**

**Flash Point:** NA

**Lower (LEL):** NA

**Flammable Limits in Air (%):** NA

**Upper (UEL):** NA

**Extinguishing Media:** Use water, foam, or dry powder as appropriate.

**Auto-Ignition:** NA

**Special Fire Fighting Procedures:** As with any fire, wear self-contained breathing apparatus to avoid inhalation of hazardous decomposition products (See section 2).

**Special Fire or Explosion Hazards:** Like any sealed container, battery cells may rupture when exposed to excessive heat; this could result in the release of corrosive materials.

6. **Accidental Release Measures**

**To Contain and Clean Up Leaks or Spills:** In the event of a battery rupture, prevent skin contact and collect all released material in a plastic lined metal container.

**Reporting Procedure:** Report all spills in accordance with Federal, State and Local reporting requirements.
7. **HANDLING AND STORAGE**

Store batteries in a dry place. Storing unpackaged cells together could result in cell shorting and heat build-up. Do not recharge. Do not puncture or abuse.

8. **EXPOSURE CONTROL/PERSOINAL PROTECTION**

- **RESPIRATORY PROTECTION (SPECIFY TYPE):** NA
- **VENTILATION:**
  - Local Exhaust: NA
  - Mechanical (General): NA
  - Special: NA
  - Other: NA
- **PROTECTIVE GLOVES:** NA
- **EYE PROTECTION:** NA
- **OTHER PROTECTIVE CLOTHING:** NA

9. **PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point @ 760 mm Hg (°C)</td>
<td>NA</td>
</tr>
<tr>
<td>Percent Volatile by Volume (%)</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg @ 25°C)</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>NA</td>
</tr>
<tr>
<td>Physical State</td>
<td>NA</td>
</tr>
<tr>
<td>Density (grams/cc)</td>
<td>NA</td>
</tr>
<tr>
<td>Solubility in Water (% by Weight)</td>
<td>NA</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Geometric solid object</td>
</tr>
</tbody>
</table>

10. **STABILITY AND REACTIVITY**

- **STABLE OR UNSTABLE:** Stable
- **INCOMPATIBILITY (MATERIALS TO AVOID):** NA
- **HAZARDOUS DECOMPOSITION PRODUCTS:** NA
- **DECOMPOSITION TEMPERATURE (0°F):** NA
- **HAZARDOUS POLYMERIZATION:** Will Not Occur
- **CONDITIONS TO AVOID:** Avoid electrical shorting, puncturing or deforming

11. **TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS #</th>
<th>%</th>
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<tr>
<td>Water, paper, plastic, other</td>
<td>---</td>
<td>Balance</td>
<td>---</td>
</tr>
</tbody>
</table>
12. **ECOLOGICAL INFORMATION**

Under normal use these batteries do not release their ingredients into the environment. Damaged or abused batteries can release small amounts of zinc, and manganese. Damaged batteries carelessly discarded could release small amounts of zinc to storm or surface water. Do not place in fire. Dispose of properly when discharged. Use a recycling outlet if available. Those collecting batteries should follow state and federal regulations. Partially discharged damaged batteries can overheat and cause fires in the presence of other combustible materials.

13. **DISPOSAL CONSIDERATIONS**

Always comply with Federal, state or local requirements. If you choose to retain discharged batteries and recycle be sure to store them out of the reach of children and pets. Do not store with adult medications of similar size or shape. For additional information on disposal/reclaim options, visit: [http://www.nema.org/Policy/Environmental-Stewardship/Documents/Companies%20Claiming%20to%20Recycle.MARCH2005.pdf](http://www.nema.org/Policy/Environmental-Stewardship/Documents/Companies%20Claiming%20to%20Recycle.MARCH2005.pdf)

14. **TRANSPORTATION INFORMATION**

TRANSPORTATION-SHIPPING: These are considered dry-cell batteries and they are non-dangerous goods for transportation. These batteries must be packed in a way to prevent short circuits or generation of a dangerous quantity of heat.

USDOT – See Special Provision 130.

IMDG/Ocean – Not Listed.

ICAO/IATA – See Special Provision A123. This special provision also states to put the words "not restricted" and "special provision A123" on the air waybill when an air waybill is issued.

15. **REGULATORY INFORMATION**

SARA 313: Notification is not required because these products are article(s) that do not release a covered toxic chemical under the normal conditions of storage, use, or handling.

NOTICE: The information and recommendations set forth are made in good faith and are believed to be accurate at the date of preparation. Spectrum Brands Inc. (Rayovac) makes no warranty expressed or implied.
PRODUCT AND COMPANY INFORMATION – SECTION 1

Manufacturer/Distributor: Water-Jel Technologies
50 Broad Street
Carlstadt, NJ 07072
201-507-8300
800-275-3433

Product Name: First Aid Burn Cream
Synonyms: Topical Cream, Burn Cream

Intended Use: First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes, and burns. For external use only.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT:
In the continental U.S.: 800-275-3433
For additional information: 201-507-8300

COMPOSITION INFORMATION – SECTION 2
In accordance with 29 CFR § 1910.1200 (i) (1) the specific chemical identity of this product is being withheld as a trade secret.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Percent</th>
<th>CAS Number</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cetyl Alcohol</td>
<td>Proprietary</td>
<td>36653-82-4</td>
<td>None Established</td>
</tr>
<tr>
<td>Germaben II</td>
<td>Proprietary</td>
<td>No information available.</td>
<td>None Established</td>
</tr>
</tbody>
</table>
| Glycerin                      | Proprietary | 56-81-5 | ACGIH TWA (Glycerin Mist): Total Dust: 15 mg/m³
|                               |          |            | OSHA PEL (Glycerin Mist): Total Dust: 10 mg/m³
|                               |          |            | Reseparable Fraction: 5 mg/m³ |
| Glyceryl Monostearate SE (Glyceryl Stearate) | Proprietary | 31566-31-3 | TWA (Stearates): 10 mg/m³ |
HAZARDS IDENTIFICATION – SECTION 3

EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT

May cause irritation to eyes and may cause irritation of the digestive tract when ingested.

PRIMARY ROUTES OF EXPOSURE

Eye contact, Ingestion

POTENTIAL HEALTH EFFECTS:

Eyes: May cause irritation, characterized by a burning sensation, redness, tearing, inflammation, dryness, and possible other effects.

Skin: No adverse conditions expected.

Inhalation: Unlikely route of exposure.

Ingestion: May cause irritation of the digestive tract.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

No information available.

CHRONIC HEALTH EFFECTS:

Eyes: Flush eyes with clear running water for a minimum of fifteen (15) minutes while holding eyelids open; if irritation persists, seek medical attention.

Skin: No adverse conditions expected.

Inhalation: Unlikely route of exposure.

Ingestion: Rinse out mouth and drink lots of water. In case of unusual symptoms, seek medical attention and show physician the container details.
**FIRST AID MEASURES – SECTION 4**

**SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.**

<table>
<thead>
<tr>
<th>FIRST AID MEASURES:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eyes:</strong></td>
<td>Flush immediately with large amounts of water. If redness or irritation persists, contact a physician.</td>
</tr>
<tr>
<td><strong>Skin:</strong></td>
<td>No adverse conditions expected.</td>
</tr>
<tr>
<td><strong>Inhalation:</strong></td>
<td>Unlikely route of exposure.</td>
</tr>
<tr>
<td><strong>Ingestion:</strong></td>
<td>Contact a physician immediately.</td>
</tr>
<tr>
<td><strong>Instructions for Physician:</strong></td>
<td>Available date does not identify any conditions.</td>
</tr>
</tbody>
</table>

**FIRE FIGHTING MEASURES – SECTION 5**

<table>
<thead>
<tr>
<th>NFPA Classification</th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

**FLAMMABILITY PROPERTIES**

- **Flash Point:** N/A
- **Method:** N/A
- **Flammability Limits:** (in air % by volume)
  - **LEL:** N/A
  - **UEL:** N/A
- **Autoignition Temperature:** N/A

**Hazardous Combustion Products:**
Carbon Monoxide, Carbon Dioxide

**Extinguishing Media:**
Use extinguishing media appropriate for the surrounding fire. Use water spray, foam or dry chemical.

**Prohibited Extinguishing Media:**
In fires involving large quantities of this product, the use of large streams of water should be avoided.

**Firefighting Instructions:**
Use self-contained breathing apparatus when fighting fires that involve this material.

**Unusual Fire and Explosion Hazards:**
Carbon monoxide and carbon dioxide may be generated.
MATERIAL SAFETY DATA SHEET

First Aid Burn Cream

MSDS No.: 007
Revision No.: 5
Effective Date: 10/21/2014

ACCIDENTAL RELEASE MEASURES – SECTION 6

Environmental Precautions:
No information available.

Cleanup Methods:
Small spills: Spills should be collected with approved inert absorbent for disposal.

Large spills: Spills should be collected with approved absorbent for disposal.

HANDLING & STORAGE – SECTION 7

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

Storage: Do not store or mix with strong acids or oxidizers.

Specific Uses: First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes and burns. For external use only.

EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8

EXPOSURE CONTROLS:

OSHA PEL: ACGIH TLV:

<table>
<thead>
<tr>
<th></th>
<th>OSHA PEL:</th>
<th>ACGIH TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stearates (Glyceryl Stearate)</td>
<td>Not Established</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Glycerin Mist (Glycerin)</th>
<th>Total Dust: 15 mg/m³</th>
<th>Respirable Fraction: 5 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Dust: 10 mg/m³</td>
<td>Respirable Fraction: 5 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Controls:
Local Exhaust is recommended.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection:
None required under normal conditions.

Hand Protection:
None required under normal conditions.

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

Skin Protection:
None required under normal conditions.

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

PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

PRODUCT: First Aid Burn Cream

General Information:
- Appearance: White homogeneous cream
- Odor: Slightly fatty odor

Important Health, Safety, and Environmental Information:
- Boiling Point: 135°C 275°F
- Melting Point: 60°C (140°F)
- Flash Point: N/A
- Explosive Properties: No information available.
- Oxidizing Properties: No information available.
- Specific Gravity (H_2O = 1): 0.81
- Water Solubility: Miscible
- Partition Coefficient (n-octanol/water): No information available.
- Viscosity: No information available.
- Vapor Pressure (mm Hg): No information available.
- Vapor Density (Air = 1): No information available.
- Evaporation Rate: 0.07
- % Volatile (By Volume @ 68°F): 65

STABILITY & REACTIVITY – SECTION 10

Stability:
This material is stable under normal conditions.

Conditions to avoid:
Extreme heat

Materials to avoid:
Strong oxidants, Strong Acids

Hazardous Decomposition Products:
Carbon Monoxide, Carbon Dioxide
Hazardous Polymerization:

Will not occur.

TOXICOLOGICAL INFORMATION – SECTION 11

<table>
<thead>
<tr>
<th>Type of Test</th>
<th>Route of Exposure</th>
<th>Effects</th>
<th>Species Observed</th>
<th>Dose Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD₅₀ – (Cetyl Alcohol)</td>
<td>Oral</td>
<td>Death</td>
<td>Rodent - Rat</td>
<td>5 mg/kg</td>
</tr>
<tr>
<td>LD₅₀ – (Glycerin)</td>
<td>Oral</td>
<td>Death</td>
<td>Rodent - Rat</td>
<td>12600 mg/kg</td>
</tr>
<tr>
<td>LD₅₀ – (Glyceril Stearate)</td>
<td>Intraperitoneal</td>
<td>Death</td>
<td>Rodent - Mouse</td>
<td>200 mg/kg</td>
</tr>
<tr>
<td>LD₅₀ – (Mineral Oil)</td>
<td>Oral</td>
<td>Death</td>
<td>Rodent - Mouse</td>
<td>22 gm/kg</td>
</tr>
<tr>
<td>LD₅₀ – (Stearic Acid)</td>
<td>Intravenous</td>
<td>Death</td>
<td>Rodent - Rat</td>
<td>21500 ug/kg</td>
</tr>
</tbody>
</table>

ECOLOGICAL INFORMATION – SECTION 12

Ecotoxicity:

No information available.

Mobility:

No information available.

Persistence and Degradability:

No information available.

Bio accumulative Potential:

No information available.

DISPOSAL CONSIDERATION – SECTION 13

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

TRANSPORT INFORMATION – SECTION 14

DOT CLASSIFICATION:

UN Number: Not Regulated for Domestic Transport.

Class: Not Regulated for Domestic Transport.
**Proper Shipping Name:**
Not regulated for Domestic Transport.

**Packing Group:**

**Marine Pollutant:**

**Other Information:**

### IATA CLASSIFICATION:

**Un Number:**

**Class:**

**Proper Shipping Name:**
Not Regulated for International Air Transport.

**Packing Group:**

**Marine Pollutant:**

**Other Information:**

### IMDG CLASSIFICATION:

**Un Number:**

**Class:**

**Proper Shipping Name:**
Not Regulated for International Water Transport.

**Packing Group:**

**Marine Pollutant:**

**Other Information:**

### REGULATORY INFORMATION – SECTION 15

#### US REGULATIONS

**ACGIH**

- **TWA (Glycerin Mist):**
  - Total Dust: 15 mg/m³
  - Respirable Fraction: 5 mg/m³

**TWA (Stearates):**

10 mg/m³

**CAA Section 112**

Not Listed

**CERCLA**

Not Listed

**IARC**

Not Listed

**NTP**

Not Listed

**OSHA**

- **OSHA PEL (Glycerin Mist):**
  - Total Dust: 10 mg/m³
  - Respirable Fraction: 5 mg/m³

**SARA Title III**

Not Listed
To the best of our knowledge, the information contained herein is accurate. However, neither Water-Jel Technologies, 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

1. Product and Company Identification

Red Emergency Flare - No Perchlorate (NPC) Formulation

Identification: The NPC flare will have the following symbol on it:

Synonyms: Emergency Road Flare
Railway Flare

NSN#: 1370-01-009-2593

Identified Use: Emergency signal

Use Advised Against: Do not use indoors or inside a vehicle

Manufacturers Information
Orion Safety Products
28320 St. Michaels Rd
Easton, MD 21601
800-637-7807
410-822-0318

EMERGENCY CHEMTREC
1-800-424-9300

2. Hazards Identification

GHS Classifications
Skin Irritation Category 2 H315
Eye Irritation Category 2A H319
STOT - Single Exposure Category 3 H335

GHS Label Elements
Pictograms
Signal Word Warning

Hazard Statements
H315 /319 Causes skin and serious eye irritation
H335 May cause respiratory irritation

Precautionary Statements
P103 Keep out of reach of children
P261 Avoid breathing dust/smoke.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective eye protection
P370 In case of fire: use water deluge
P501 Dispose of contents / container in accordance with local and national regulations.

Hazards Not Otherwise Classified (HNOC): produces hot flame

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>EINCS #</th>
<th>%age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>10042-76-9</td>
<td>233-131-9</td>
<td>&lt;75%</td>
</tr>
<tr>
<td>Sulfur</td>
<td>7704-34-9</td>
<td>231-722-6</td>
<td>&lt;25%</td>
</tr>
<tr>
<td>Potassium Nitrate</td>
<td>7757-79-1</td>
<td>231-818-8</td>
<td>&lt;25%</td>
</tr>
<tr>
<td>Paraffinic Oil</td>
<td>6474-54-7</td>
<td>232-384-2</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>3811-04-9</td>
<td>231-100-4</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Waxy sawdust</td>
<td>mixture</td>
<td>none</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Polyvinyl Chloride</td>
<td>9002-86-2</td>
<td>200-831-0</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Shellac</td>
<td>mixture</td>
<td>none</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Charcoal</td>
<td>1333-86-4</td>
<td>231-153-3</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

Note: Due to Confidential Business Information i.e. “Trade Secrets”, the exact percentage of each ingredient has not been disclosed. CBI information will be shared with appropriate authorities if circumstances warrant.

4. First Aid Measures

Description of first aid measures

Inhalation If contents are inhaled, remove to fresh air. Watch for signs of allergic reaction. If other symptoms develop, get medical aid immediately.

Skin If contents are contacted, wash with area with soap and water for 15 minutes. Remove contaminated clothing and wash before reuse. Get medical aid immediately if burned or irritation occurs.

Eyes If contents get into eye, flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses if easily possible. Do not use boric acid to rinse with; sulfur is an acid irritant. Get medical aid immediately.

Ingestion Get medical aid immediately.
Most important symptoms and effects both acute and delayed

See section 2 labeling and section 11

Burning flare can cause severe burns if in contact with body.

For burns to skin, cool with water and bandage appropriately.

Seek medical attention. If eye is burned, cover eye and get medical aid immediately

5. Firefighting Measures

Extinguishing Media

Water deluge

Unsuitable Extinguishing Media

Foam and dry chemical extinguishers and suffocation are ineffective.

Protective Equipment and Precautions for Firefighters

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Prevent further propagation of fire by spraying unburnt nearby product with water. Combat fire from a sheltered position.

Specific Hazards Arising from the Chemical

Use copious amounts of water to extinguish fire comprised of flares. Flares contain oxidizers and will continue to burn unless a significant amount of water is used. Do not breathe smoke.

Further information

No data available

6. Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures

Do not breathe contents and avoid contact with skin and eyes. Wear flame retardant clothing with long sleeves, dust mask, rubber or nitrile gloves, safety goggles, safety shoes. Avoid friction on the released product. Keep away from ignition sources.

Environmental Precautions

Prevent dispersion of contents on soil and in water. Prevent contents from spreading or entering into drains, ditches, groundwater or rivers by using appropriate barriers.

Methods for Containment and Clean-up

Use caution when cleaning up spilled product contents. Remove heat, flames, sparks and other sources of ignition. Use non-sparking tools and equipment.

Prevent buildup of electrostatic charges by grounding. Clean spills in a manner that does not disperse dust into the air. Do not absorb in sawdust or other combustible absorbents. Pick up spill for recovery or disposal and place in an approved container. Wash away remainder with plenty of water. Collect wash water for approved disposal.

7. Handling and Storage

Precautions for Safe Handling

Hold and point flare away from body when igniting. Exercise caution when using this product since molten flecks may be emitted. Produces hot flame. Burning flare can cause severe burns if in contact with body. Avoid contact with clothing and other combustible materials. Wear eye protection during use. Follow instructions on package. Use outdoors only! Do not ignite or burn product inside a vehicle or building. Avoid inhalation of smoke. Do not dismantle. Do not allow contents to touch eyes, skin or clothing. Do not ingest contents as they may be harmful if swallowed. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with heat, sparks, and flame.

Conditions for Safe Storage, Including Any Incompatibilities

Store away from direct sunlight, heat and incompatible materials. See section 10. Store away from food and beverages. Store away from flammable materials, sources of heat, flame and sparks. Store at ambient temperature. Do not store partially burned flares in a vehicle, warehouse, or any other building. Plastic bags are provided for moisture protection. Keep partially used bags sealed at all times.

8. Exposure Controls / Personal Protection

Control parameters

<table>
<thead>
<tr>
<th>Exposure Limits</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Sulfur</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Potassium Nitrate</td>
<td>Nuisance dust 15 mg/m³</td>
<td>Nuisance dust 15 mg/m³</td>
</tr>
<tr>
<td>Paraffinic Oil</td>
<td>5 mg/m³</td>
<td>TWA 5 mg/m³</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>No Airborne Exposure Limits established</td>
<td>No Airborne Exposure Limits established</td>
</tr>
<tr>
<td>Waxy sawdust</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Polyvinyl Chloride</td>
<td>No known hazardous components above regulatory thresholds in this product.</td>
<td>No known hazardous components above regulatory thresholds in this product.</td>
</tr>
<tr>
<td>Shellac</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Charcoal</td>
<td>Nuisance dust 15 mg/m³</td>
<td>Nuisance dust 15 mg/m³</td>
</tr>
</tbody>
</table>

Exposure controls

Engineering Controls

Use product outdoors only! When cleaning up contents, use local and/or general exhaust.

Personal Protective Equipment

Eye / Face Protection

Safety glasses or goggles

Skin Protection

None under normal conditions when using product unless prolonged handling is anticipated. Impervious protective clothing, including gloves, boots, and a lab coat, apron or coveralls, as appropriate, when cleaning up spilled product. Wash hands and face before eating, drinking or using tobacco products.

Respiratory Protection

None under normal conditions when using product. A particulate respirator (NIOSH T95 or better filters) may be worn during the cleanup of spilled materials.

General Hygiene

Use product outdoors away from combustible products. For cleanup of spilled materials, emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous materials.
9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Appearance (color, physical form, shape):</th>
<th>Yellow to grey powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH:</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point / Range:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odor:</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability:</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition Coefficient:</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto Ignition Temperature:</td>
<td>360°F</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability Limits:</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density:</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Chemical Stability</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity:</td>
<td>No information available</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td>Hazardous polymerization will not occur</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Conditions to Avoid</th>
<th>Incompatible Materials</th>
</tr>
</thead>
</table>

| Incompatible Materials Hazardous Decomposition Products | Carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides. |

11. Toxicology Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50</th>
<th>skin LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>Rat: 2750 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Sulfur</td>
<td>Rat: &gt;2000 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Potassium Nitrate</td>
<td>Rat: 3750 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Paraffinic Oil</td>
<td>Rat: &gt;2000 mg/kg</td>
<td>Rabbit: &gt;2000 mg/kg</td>
<td>No information found</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>Rat: 1870 mg/kg</td>
<td>Rabbit: &gt; 2000 mg/kg</td>
<td>No information found</td>
</tr>
<tr>
<td>Waxy sawdust</td>
<td>Rat: &gt; 5000 mg/kg</td>
<td>Rabbit: &gt; 2000 mg/kg</td>
<td>No information found</td>
</tr>
<tr>
<td>Polyvinyl Chloride</td>
<td>Rat: &gt; 5000 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Shellac</td>
<td>Rat: 10000 mg/kg</td>
<td>Rabbit: &gt; 5000 mg/kg</td>
<td>No information found</td>
</tr>
<tr>
<td>Charcoal</td>
<td>Rat: 15400 mg/kg</td>
<td>Rabbit: 3 g/kg</td>
<td>No information found</td>
</tr>
</tbody>
</table>

Product toxicological information

- **Acute Toxicity**: Not classified – Acute Toxicity Estimate yields oral LD₅₀ over 5000 mg/kg bw
- **Skin Irritation / Corrosion**: Category 2 – over 10% of ingredients classified as a Category 2
- **Serious Eye Damage / Irritation**: Category 2a – over 10% of ingredients classified as a Category 2a
- **Respiratory / Skin Sensitization**: Not classified (Based on available data, the classification criteria are not met)
- **Germ Cell Mutagen**: Not classified (Based on available data, the classification criteria are not met)
- **Carcinogen**: Not classified (Based on available data, the classification criteria are not met)
- **Reproductive Toxicity**: Not classified (Based on available data, the classification criteria are not met)
- **STOT – single exposure**: Category 3 – respiratory over 10% of ingredients classified as a Category 3 respiratory STOT hazard
- **STOT – 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)

Likely routes of exposure

- Skin, ingestion, inhalation

Symptoms related to the physical, chemical and toxicological characteristics

- Contents irritating to eyes due to chemical and physical properties of the mixture. Ingestion of contents may cause gastrointestinal irritation with nausea, vomiting and diarrhea. Individuals with known allergies to sulfide drugs may also have allergic reactions to elemental sulfur.
- Inhalation of contents or smoke from burning flare will cause irritation to the lungs and mucus membrane. Prolonged or repeated skin contact with contents may cause dermatitis.

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

Interactive effects

12. Ecological Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Aquatic Toxicity</th>
<th>Persistence / Degradability</th>
<th>Bioaccumulation / Accumulation</th>
<th>Mobility in Environmental Media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>Acute toxicity - Fishes, Carassius auratus, LC100, 9,615 mg/L; Chronic toxicity - Fishes, Gasterosteus aculeatus, LC100, 2,912 mg/L</td>
<td>Soluble in water Persistence is unlikely based on information available.</td>
<td>Strontium Nitrate: Water:: considerable solubility and mobility; Soil/sediments non-significant adsorption</td>
<td></td>
</tr>
<tr>
<td>Sulfur</td>
<td>Toxicity to fish LC50 - Onchorynchus mykiss (rainbow trout) &gt; 180 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) &gt; 5,000 mg/l - 48 h</td>
<td>No information found</td>
<td>No information found</td>
<td></td>
</tr>
<tr>
<td>Potassium Nitrate</td>
<td>LC50 onchorynchus mykiss (rainbow trout) 1750 mg/l – 96 hr, EC50 daphnia magna (Water flea) 1093 mg/l 24 hr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paraffinic Oil</td>
<td>Oil Mist, Mineral Lepomis macrochirus (LC50) 96 hour(s) &gt;100 mg/l Onchorynchus mykiss (LC50) 96 hour(s) &gt;100 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>LC50 190 mg/l (96 h)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13. Disposal Considerations

Disposal methods
Flares should be allowed to burn to completion. Partially burned or unburned flares, spilled contents, and ash from burned flares should be disposed of in accordance with federal, state, and local requirements. Consult factory for any additional disposal concerns.

14. Transportation Information

<table>
<thead>
<tr>
<th>Description</th>
<th>ID Number</th>
<th>shipping name</th>
<th>hazard class</th>
<th>packing group</th>
<th>EX Number</th>
<th>Reportable Quantities</th>
<th>Shipping method</th>
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<tbody>
<tr>
<td>United States</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Bulk flares</td>
<td>NA1325</td>
<td>Fusee</td>
<td>4.1</td>
<td>II</td>
<td>Not applicable</td>
<td>none</td>
<td>Ground only</td>
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<tr>
<td>Retail packaged flares</td>
<td>UN3178</td>
<td>ORM-D / Limited</td>
<td></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>none</td>
<td>Ground only</td>
</tr>
<tr>
<td>International / Air</td>
<td></td>
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</tr>
<tr>
<td>Bulk flares</td>
<td>UN0373</td>
<td>Signal devices, hand</td>
<td>1.4S</td>
<td>II</td>
<td>EX-1992090001</td>
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<td>Air / ground</td>
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Marine Pollutant: no

Special precautions for user: No information available

15. Regulatory Information

<table>
<thead>
<tr>
<th>US Regulations</th>
<th>TSCA</th>
<th>CERCLA</th>
<th>CWA</th>
<th>CAA 313</th>
<th>CAA 302</th>
<th>SARA 302</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Pressure</th>
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<tbody>
<tr>
<td>Strontium Nitrate</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Sulfur</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
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<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Potassium Nitrate</td>
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<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>no</td>
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<td>no</td>
</tr>
<tr>
<td>Paraffinic Oil</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
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<td>no</td>
</tr>
<tr>
<td>Waxy sawdust</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
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<tr>
<td>Polyvinyl Chloride</td>
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<tr>
<td>Shellac Mixture</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
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<tr>
<td>Charcoal</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
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</table>

US States | Prop 65 | NJ | PA | Canada | WHMIS | DSL | Europe | wgk
<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>no</td>
<td>1743</td>
<td>no</td>
<td>Canada</td>
<td>C</td>
<td>oxidizing materials</td>
<td>D1B</td>
<td>Toxic materials</td>
</tr>
<tr>
<td>Sulfur</td>
<td>no</td>
<td>1757</td>
<td>yes</td>
<td></td>
<td>B4 Flammable solid</td>
<td>D2B</td>
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<td>1574</td>
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<td>C Oxidizing materials</td>
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<td>1</td>
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<td>Paraffinic Oil</td>
<td>no</td>
<td>1437</td>
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<td>No results</td>
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<td>Potassium Chlorate</td>
<td>yes</td>
<td>1560</td>
<td>yes</td>
<td></td>
<td>C Oxidizing materials</td>
<td>D1B</td>
<td>Toxic materials</td>
<td>yes</td>
</tr>
<tr>
<td>Waxy sawdust</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td></td>
<td>No results</td>
<td>yes</td>
<td>not listed</td>
<td></td>
</tr>
<tr>
<td>Polyvinyl Chloride</td>
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<td>3622</td>
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<td>No results</td>
<td>yes</td>
<td>not listed</td>
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<tr>
<td>Shellac Mixture</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td></td>
<td>No results</td>
<td>unknown</td>
<td>not listed</td>
<td></td>
</tr>
<tr>
<td>Charcoal</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td>D2A Very toxic materials</td>
<td>D2B</td>
<td>Toxic materials</td>
<td>yes</td>
</tr>
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</table>

16. Other Information

Revision Information: May 2015

NFPA Rating | HMSC Rating
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
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</table>

Legal Statement
This information is accurate to the best knowledge Orion Safety Products. Orion Safety Products makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability or fitness for a particular purpose, with respect to the information set forth herein or the product to which the information refers. Accordingly, Orion Safety Products will not be responsible for damages resulting from use of or reliance upon this information. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.
**SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Instant Cold Packs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Use:</td>
<td>An economical, one time use disposable product that promotes faster healing for the treatment of bruises, cuts, lacerations, sprains, minor burns, sinus &amp; tension headaches, insect bites and toothaches.</td>
</tr>
<tr>
<td>Product Codes:</td>
<td>4511-4512-4515</td>
</tr>
<tr>
<td>Responsible Party:</td>
<td>Dynarex Corporation</td>
</tr>
<tr>
<td></td>
<td>10 Glenshaw Street</td>
</tr>
<tr>
<td></td>
<td>Orangeburg, NY 10962</td>
</tr>
</tbody>
</table>

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

**EMERGENCY OVERVIEW**

**Emergency Telephone Numbers:**
- Local Emergency Center

**Health Hazards:** Dry chemical of cold pack is an eye and skin irritant. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Physical Hazards:** Dry chemical is an oxidizer. Oxidizers can support combustion. Contact may increase flammability of other materials. Avoid contact with clothing and other combustible material.

- Physical Form: Solid/Liquid
- Appearance: White solid in water bag
- Odor: None

**NFPA HAZARD CLASS:**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (Slight)</td>
<td>0 (Least)</td>
<td>3 (High)</td>
<td>OXY (Oxidizer)</td>
</tr>
</tbody>
</table>
### SECTION 2. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS**
Keep out of reach of children. (S2)

**PRIMARY ROUTE(S) OF ENTRY**
Eye and Skin, if liquid escapes from sealed container.
No hazard expected with intact product.

**EYES**
Liquid content may cause irritation to the eyes; R36.
Avoid contact with eyes; S25

**SKIN**
Liquid content may be irritating to skin; R38.

**INGESTION**
Harmful if swallowed; R22.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**
In case of accidental overdose, contact a Physician or Poison Control Center.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>% Weight</th>
<th>EXPOSURE GUIDELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium Nitrate</td>
<td>40-70</td>
<td>Limits Agency Type</td>
</tr>
<tr>
<td>CAS# 6484-52-2</td>
<td></td>
<td>Not Established</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OTHER COMPONENTS</th>
<th>% Weight</th>
<th>EXPOSURE GUIDELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>30-60</td>
<td>Limits Agency Type</td>
</tr>
<tr>
<td>CAS# 7732-18-5</td>
<td></td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

### SECTION 4. FIRST AID MEASURES

**Eye:** Move victim away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek immediate medical attention. For direct contact, immediately hold eyelids apart and flush the affected eye(s) with clean water for at least 15 minutes. Seek medical attention.

**Skin:** Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected
area(s) thoroughly by washing with mild soap or water. If irritation or redness develops, seek medical attention.

Inhalation (Breathing): If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): If swallowed, seek emergency medical attention. If victim is drowsy or unconscious and vomiting, place on left side with the head down and do not give anything by mouth. If victim is conscious and alert and ingestion occurred within the last hour, vomiting should be induced for ingestion of large amounts (more than 5 ounces in an adult) under direction from a physician or poison center. If possible, do not leave victim unattended and observe closely for adequacy of breathing.

Note to Physicians: Nitrates in large doses may cause significant vasodilation and hypotension. Pre-existing ischemic heart disease may be aggravated by these effects. In large ingestions nitrates may cause methemoglobinemia. Methemoglobinemia should be suspected if cyanosis occurs. Methylene blue (1-2 mg/kg I.V. over several minutes) is an effective antidote for symptomatic methemoglobinemia.

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties: Flash Point: None
OSHA Flammability Class: Not applicable
LEL/UEL: No data
Autoignition Temperature: No data

Unusual Fire & Explosion Hazards: Oxidizer. The dry chemical of this material is an oxidizer and may increase inflammability of any combustible substance. It is the nature of oxidizers to provide their own oxygen source; smothering a fire may be ineffective. Nitrate salts support combustion under certain conditions. Ammonium nitrate is capable of detonation if heated under confinement or if subjected to strong shocks. Organic or other easily oxidizable matter can sensitize it to a more readily explodable state. Do not allow product to evaporate to dryness, especially in contact with combustible materials.

Extinguishing Media: Use water only. Do not use dry chemical, carbon dioxide or foam.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk.

SECTION 6. ACCIDENTAL RELEASE MEASURES

The dry chemical of this material is an oxidizer. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended.
Stay upwind and away from spill/release. Notify person down wind of spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8). Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended.

SECTION 7. HANDLING AND STORAGE

Handling: Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Section 2 and 8). Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

“Empty” containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. Container should be disposed in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA Regulations, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, welding, or other contemplated operations.

Storage: Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Post area “No Smoking or Open Flame." Solution is corrosive to copper, copper alloys, lead, and zinc. Store to avoid contact with incompatible materials such as ordinary combustibles, flammable liquids, greases, and those materials, including other oxidizers, that could react with the oxidizer or catalyze its decomposition (see Section 10). Prohibit accumulation of combustible waste in storage areas. Combustible construction materials that may be in contact with oxidizers shall be protected with a compatible coating to prevent impregnation of the combustible materials by the oxidizers. Protect container(s) against physical damage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to minimize exposure, additional ventilation or exhaust systems may be required.

Personal Protective Equipment (PPE):

Respiratory: A NIOSH/MSHA approved air purifying respirator with a N95 filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2). Protection provided by air purifying respirators is limited (see manufacturer’s respirator selection guide). Use a positive pressure air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA’s 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator’s use.

Skin: The use of gloves impermeable to the specific material handled is advised to prevent skin contact, possible irritation, absorption, and skin damage (see glove manufacturer literature for information...
on permeability). Depending on conditions of use, apron and/or arm covers may be necessary.

**Eye/Face:** Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

**Other Protective Equipment:** A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

- **Flash Point:** None
- **Flammable/Explosive Limits (%):** LEL/UEL: No data
- **Autoignition Temperature:** No data
- **Appearance:** White solid in water bag
- **Physical State:** solid/Liquid
- **Odor:** None
- **pH:** No data
- **Vapor Pressure (mm Hg):** No data
- **Boiling Point:** No data
- **Freezing/Melting Point:** No data
- **Solubility in Water:** 100%
- **Specific Gravity:** approx 1.3
- **Evaporation Rate (nBuAc=1):** No data

### SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of storage and handling. Dry chemical is an oxidizer and may promote combustion in other materials.

**Conditions To Avoid:** This material may be an oxidizer. Do not heat above 250°F. Do not let dry chemical or solution dry or crystallize in contact with organic, reactive, or combustible materials (see Sections 7).

**Incompatible Materials:** Avoid contact with reactive, combustible, or organic materials, such as wood, grain, organic chemicals, acids, corrosive liquids, sulfur, flammable liquids, chlorates, permanganates, finely divided materials, charcoal, coke, cork, or sawdust. Avoid contact with other oxidizers. Contact with alkaline materials may liberate ammonia.

**Hazardous Decomposition Products:** Material will not burn, but if involved in a fire, oxides of nitrogen may be generated. Exposure to heat may liberate ammonia fumes.

**Hazardous Polymerization:** Will not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

No definitive information available on carcinogenicity, mutagenicity, target organs or developmental toxicity.
SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
Not determined.

CHEMICAL FATE INFORMATION
Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, may be a RCRA “characteristic” hazardous waste due to the characteristic(s) of ignitability (D001). If the material is spilled to soil or water, characteristic testing of the contaminated materials is recommended. To assure proper disposal, consult with state and local regulations and disposal authorities.

SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: DOT CONSUMER COMMODITY
CLASS/DIVISION: ORM-D
PACKING GROUP: Not Applicable
LABELS: ORM-D
UN/ID#: NONE

PROPER SHIPPING NAME: IATA AMMONIUM NITRATE
CLASS DIVISION: 5.1
PACKING GROUP: III
LABELS: OXIDIZER
UN/ID#: UN1942

PROPER SHIPPING NAME: IMO AMMONIUM NITRATE, LIMITED QUANTITY
CLASS/DIVISION: 5.1
PACKING GROUP: III
LABELS: Not required, however, the words “LIMITED QUANTITY” should be marked on the unitized package.
UN/ID#: UN1942

SECTION 15. REGULATORY INFORMATION

This material contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372.

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)</td>
<td>7446-41-7</td>
</tr>
</tbody>
</table>
**Warning:** This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5) --None Known--

This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

**EPA (CERCLA) Reportable Quantity:** --None--

**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.
1. Identification

(a) Product identifier

Product name: Fluorescent material

(b) Other means of identification

Product description: GLOW STICK, GLOW BRACELET, GLOW NECKLACE, GLOW CUP, GLOW WAND WITH ASST COLORS RED/GREEN/BLUE/YELLOW/PINK/ORANGE/PURPLE/WHITE/AQUA

(c) Recommended use of the chemical and restrictions on use

Recommended use: Used in decoration.
Restriction on use: No information available.

(d) Details of the supplier of the product

Company name: Xiamen Long Afterglow Co.,Ltd
Address: NO.1043, Tong Ji Road, Tong An Area, Xiamen, Fujian Province, China
E-mail: Tommy@glo-noveltv.com
Telephone: +86-592-3675699
Fax: +86-592-3675400

(e) Emergency phone number

+86-592-3675699

2. Hazard(s) identification

(a) Classification of the chemical

This product is not classified as hazardous.

(b) Label elements

This product is not classified as hazardous.

Pictogram(s): No pictogram is used.
Signal word: No signal word is used.
Hazard statements: No hazard statements.
Precautionary statements: No precautionary statements.

(c) Description of any hazards not otherwise classified

No information available.

(d) Ingredient with unknown acute toxicity

No information available.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.
3. Composition/information on ingredients

(a) Mixtures information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl Phthalate</td>
<td>131-11-3</td>
<td>58.5%</td>
</tr>
<tr>
<td>Butyl Benzoate</td>
<td>136-60-7</td>
<td>28.5%</td>
</tr>
<tr>
<td>CPPO</td>
<td>75203-51-9</td>
<td>4.7%</td>
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<tr>
<td>Hydrogen Peroxide</td>
<td>7722-84-1</td>
<td>2.2%</td>
</tr>
<tr>
<td>H2O</td>
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<td>6.0%</td>
</tr>
<tr>
<td>Fluorescer</td>
<td>10075-85-1</td>
<td>0.1%</td>
</tr>
</tbody>
</table>

4. First-aid measures

(a) Description of first aid measures
Inhalation: Move to fresh air in case of accidental inhalation of vapours or decomposition products. If you feel unwell, seek medical advice.
Skin contact: Wash off with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact: Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion: Rinse mouth. Do not induce vomiting. Call a physician immediately.

(b) Most important symptoms/effects, acute and delayed
No information available.

(c) Immediate medical attention and special treatment
Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

(a) Extinguishing media
Suitable extinguishing media: Use carbon dioxide, dry extinguishing media, water spray, water.
Unsuitable extinguishing media: No information available.

(b) Special hazards arising from the chemical
Combustion produces toxic or irritating gases and fumes.

(c) Special protective equipment and precautions for fire-fighters
Firefighters must wear fire resistant protective equipment. Wear self-contained breathing apparatus.
6. Accidental release measures

(a) Personal precautions, protective equipment and emergency procedures
Handle in accordance with good industrial hygiene and safety practice.

(b) Methods and materials for containment and cleaning up
For large amounts: Transfer product into suitable containers.
For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

7. Handling and storage

(a) Precautions for safe handling
Ensure thorough ventilation of stores and work areas.

(b) Conditions for safe storage, including any incompatibilities
Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

8. Exposure controls/personal protection

(a) Control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL-TWA</th>
<th>PEL-STEEL</th>
<th>REL-TWA</th>
<th>REL-STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>131-11-3</td>
<td>5 mg/m³</td>
<td>Not Established</td>
<td>5 mg/m³</td>
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<td>Not Established</td>
</tr>
<tr>
<td>7722-84-1</td>
<td>1.4 mg/m³</td>
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<td>1.4 mg/m³</td>
<td>Not Established</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Not Established</td>
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<tr>
<td>10075-85-1</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

(b) Appropriate engineering controls
Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

(c) Personal protective equipment
Respiratory protection: The following respirators and maximum use concentrations are drawn from NIOSH and/or OSHA.
- 50 mg/m³
- Any air-purifying full-facepiece respirator equipped with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100 or P100.
- 125 mg/m³
Fluorescent material

Any supplied-air respirator operated in a continuous-flow mode.
Any powered, air-purifying respirator with a high-efficiency particulate filter.
250 mg/m³
Any air-purifying, full-facepiece respirator equipped with an N100, R100, or P100 filter.
Any self-contained breathing apparatus with a full facepiece.
Any supplied-air respirator with a full facepiece.
2000 mg/m³
Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode.
Emergency or planned entry into unknown concentrations or IDLH conditions
Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.
Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.
Escape
Any air-purifying, full-facepiece respirator equipped with an N100, R100, or P100 filter.
Any appropriate escape-type, self-contained breathing apparatus.

Hand protection: Wear appropriate chemical resistant gloves.
Eye/face protection: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin/body protection: Wear appropriate chemical resistant clothing.

9. Physical and chemical properties

| (a) Appearance | Liquid |
| (b) Odor      | Not available. |
| (c) Odor threshold | Not available. |
| (d) pH        | Not available. |
| (e) Melting point/freezing point | Not available. |
| (f) Initial boiling point and boiling range | Not available. |
Safety Data Sheet
According to HCS-2012 APPENDIX D TO §1910.1200
Fluorescent material

(g) Flash point >200ºF (93.3ºC) Closed Cup
(h) Evaporation rate Not available.
(i) Flammability No
(j) Upper/lower flammability or explosive limits Not available.
(k) Vapor pressure Not available.
(l) Vapor density Not available.
(m) Relative density Not available.
(n) Solubility(ies) Not available.
(o) Partition coefficient: n-octanol/water Not available.
(p) Auto-ignition temperature Not available.
(q) Decomposition temperature Not available.
(r) Viscosity Not available.

10. Stability and reactivity

(a) Reactivity
Stable under recommended storage and handling conditions (see section 7, handling and storage).

(b) Chemical stability
Stable under normal conditions.

(c) Possibility of hazardous reactions
Will not polymerize.

(d) Conditions to avoid
Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

(e) Incompatible materials
Acids, bases, oxidizing materials.

(f) Hazardous decomposition products
Carbon monoxide (CO), carbon dioxide (CO₂) and other toxic vapors.

11. Toxicological information

(a) Information on the likely routes of exposure
Inhalation: Not available.
Ingestion: Not available.
Skin contact: Not available.
Eye contact: Redness.
(b) Information on toxicological characteristics

Acute toxicity:
- 131-11-3 Oral LD50 Rat 6800 mg/kg (Source: IUCLID)
- 136-60-7 No data available.
- 75203-51-9 No data available.
- 7722-84-1 Oral LD50 Rat 801 mg/kg (Source: IUCLID)
  Dermal LD50 Rat 4060 mg/kg (Source: IUCLID); Dermal LD50 Rabbit 2000 mg/kg
  (Source: IUCLID)
  Inhalation LC50 Rat 2 g/m3 4 h (Source: IUCLID)
- 10075-85-1 No data available.

Skin corrosion/irritation: No data available.
Serious eye damage/irritation: No data available.
Respiratory sensitization: No data available.
skin sensitization: No data available.
Carcinogenicity: Not listed by IARC and NTP.
Germ Cell Mutagenicity: No data available.
Reproductive Toxicity: No data available.
STOT-Single Exposure: No data available.
STOT-Repeated Exposure: No data available.
Aspiration Hazard: No data available.

12. Ecological information

(a) Ecotoxicity

131-11-3 Freshwater Fish: 96 Hr LC50 Pimephales promelas: 39 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 49.5 mg/L; 96 Hr LC50 Lepomis macrochirus: 37 - 69 mg/L [static]; 96 Hr LC50 Pimephales promelas: 121 mg/L [static]; 96 Hr LC50 Leuciscus idus: 100 - 220 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 56 mg/L [flow-through]
Water Flea: 48 Hr EC50 Daphnia magna: 33 mg/L
Freshwater Algae: 96 Hr EC50 Pseudokirchneriella subcapitata: 20.6 - 45.8 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata:
28.4 - 71 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 142 mg/L [static]; 96 Hr EC50 Skeletonema costatum: 26.1 mg/L; 72 Hr EC50 Desmodesmus subspicatus: 204 mg/L

136-60-7  No data available.
75203-51-9  No data available.
7722-84-1  Freshwater Fish: 96 Hr LC50 Pimephales promelas: 16.4 mg/L; 96 Hr LC50 Lepomis macrochirus: 18 - 56 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 10.0 - 32.0 mg/L [static]
Water Flea: 24 Hr EC50 Daphnia magna: 7.7 mg/L; 48 Hr EC50 Daphnia magna: 18 - 32 mg/L [Static]
Freshwater Algae: 72 Hr EC50 Chlorella vulgaris: 2.5 mg/L

10075-85-1  No data available.

(b) Persistence and Degradability
Based on best current information, there is no data known associated with this product.

(c) Bioaccumulative potential
Based on best current information, there is no data known associated with this product.

(d) Mobility in soil
Based on best current information, there is no data known associated with this product.

(e) Other adverse effects
No information available.

13. Disposal considerations

(a) Safe handling and methods of disposal
Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U102. Dispose in accordance with all applicable regulations.

14. Transport information

(a) UN number  Not regulated as dangerous goods.
(b) UN Proper shipping name  Not regulated as dangerous goods.
(c) Transport hazard class(es)  Not regulated as dangerous goods.
(d) Packing group (if applicable)  Not regulated as dangerous goods.
(e) Marine pollutant (Yes/No)  No
(f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)  No information available.
(g) Special precautions  No information available.
15. Regulatory information

(a) Safety, health and environmental regulations specific for the product in question

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>USA TSCA</th>
<th>EU EINECS</th>
<th>Korea ECL</th>
<th>China IECSC</th>
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<td>Listed</td>
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</tr>
<tr>
<td>75203-51-9</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
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</tr>
<tr>
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<td>Listed</td>
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<td>NDSL</td>
</tr>
</tbody>
</table>

Remark: The above-mentioned search results are based on the Non-Confidential Inventory.

16. Other information, including date of preparation or last revision

(a) Preparation and revision information

Date of previous revision: Not applicable.  Date of this revision: 23/12/2013
Revision summary: The first New SDS

(b) Abbreviations and acronyms

- NIOSH: The National Institute for Occupational Safety and Health
- OSHA: The United States Occupational Safety and Health Administration
- TWA: time-weighted average
- STEL: Short term exposure limit
- TSCA: Toxic Substances Control Act, The American chemical inventory
- DSL: Domestic Substances List
- EINECS: European Inventory of Existing Commercial chemical Substances
- ECL: Existing Chemicals List, the Korean chemical inventory
- IECSC: Inventory of existing chemical substances in China
- IARC: International agency for research on cancer
- NTP: National Toxicology Program

(c) Disclaimer

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

---------------------------------------------------------- End of the SDS ----------------------------------------------------------
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.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
TÜV SÜD Group

Engineer: __________________  Technical Report checked: __________________

Echo He
Kevin Zhang
SANFACON INDUSTRIES
MATERIAL SAFETY DATA SHEET
January, 2008

TOWELETTE, PRE-MOISTENED, LEMON-SCENTED

Section I: Identification

Identity (As used on Label and List): MOIST TOWELETTE WITH LEMON FRAGRANCE

Ingredients: 98.8% water
1% lemon fragrance
0.01% BZK (Benzalkonium)
0.01% soap

Physical Description: A pre-moistened towelette made with virgin paper, individually packaged in a moisture-proof pouch.

Manufacturer's Name:
SANFACON INDUSTRIES INC.

Address:
1980 5th street
St-Romuald, Québec, Canada
G6W 5M6

Section II: Hazardous Ingredients

Hazardous components: N/A

Section III: Physical/Chemical Characteristics

Boiling Point: N/A  Specific Gravity: +/- 1.0
Vapour Pressure: N/A  Melting Point: N/A
Vapour Density: N/A  Evaporation Rate: N/A

Solubility in Water: Complete
Appearance and Colour: Clear liquid with lemon scent
**Section IV: Fire and Explosion Hazard Data**

Flash Point: N/A  
Flammable Limits: N/A  
Extinguishing Media: N/A  

Special Fire Fighting Procedures: NONE  
Unusual Fire & Explosion Hazards: NONE

**Section V: Health Hazard Data**

Routes of Entry: 
Inhalation: N/A  
Skin: Topically applied  
Ingestion: N/A

Health Hazards: N/A  
Carcinogenicity: N/A

Information/Emergency: Monday through Friday, 8 a.m. to 5 p.m., (800) 463-5591  
or contact the local Poison Control Centre.

Caution: If accidentally splashed in eyes, rinse thoroughly with cold water; may  
cause discomfort. No need for first aid if swallowed or inhaled.

Signs and Symptoms of Exposure:  
**SAFE AS A TOPICAL SKIN CLEANSER**

**Disclaimer:**  
Sanfacon acknowledges hat the information contained herein is assumed accurate  
and complete, and illustrates the product to the best of their knowledge. No  
warranty, expressed or implied, is made and Sanfacon assumes no legal  
responsibility or liability resulting from its use.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form: Mixture
Trade name: Medicaine® Sting and Bite Relief

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: OTC drug used as a topical analgesic
Use of the substance/mixture: For professional use only

1.3. Details of the supplier of the safety data sheet
James Alexander Corporation
845 Route 94 Blairstown
NJ 07825
Tel: (908) 362-9266

Note: The CHEMTREC emergency number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to JAC at (908) 362-9266.

1.4. Emergency telephone number
Emergency number: Chemtrec (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
- Flam. Liq. 2 H225
- Eye Irrit. 2A H319
- STOT SE 3 H335
- STOT SE 3 H336

2.2. Label elements
GHS-US labelling
- Hazard pictograms (GHS-US): [Image]
  - 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
Medicaine® Sting and Bite Relief
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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.

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene glycol</td>
<td>(CAS No) 25322-68-3</td>
<td>50 - 55</td>
<td>STOT SE 3, H335</td>
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<tr>
<td>L-Menthol</td>
<td>(CAS No) 2216-51-5</td>
<td>1</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>

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.
**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**
- 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: 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**

7.1. **Precautions for safe handling**
- 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.
7.2. Conditions for safe storage, including any incompatibilities

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)

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Isopropyl alcohol (67-63-0)</th>
<th>USA ACGIH ACGIH TWA (ppm)</th>
<th>USA ACGIH ACGIH STEL (ppm)</th>
<th>USA OSHA OSHA PEL (TWA) (mg/m³)</th>
<th>USA OSHA OSHA PEL (TWA) (ppm)</th>
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<tr>
<td></td>
<td>200 ppm</td>
<td>400 ppm</td>
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<td>400 ppm</td>
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</table>

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

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.
Medicaine® Sting and Bite Relief
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>8.5</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 35 °C (&gt;95 °F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>16.6 °C (62 °F)</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.029 (Specific Gravity @ 25 °C)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified
(Based on available data, the classification criteria are not met)

<table>
<thead>
<tr>
<th>Isopropl alcohol (67-63-0)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>4396 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>12800 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td>16000 ppm (Exposure time: 8 h)</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>4396.000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE CLP (dermal)</td>
<td>12800.000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>
L-Menthol (2216-51-5)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>3300 mg/kg</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>3300.000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Polyethylene glycol (25322-68-3)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 20 ml/kg</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>3 - Not classifiable</td>
</tr>
</tbody>
</table>

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

12.1. Toxicity

Isopropyl alcohol (67-63-0)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</td>
</tr>
</tbody>
</table>

L-Menthol (2216-51-5)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Medicaine® Sting and Bite Relief

Persistence and degradability: Not established.
12.3. Bioaccumulative potential

Medicaine® Sting and Bite Relief

Bioaccumulative potential

Isopropyl alcohol (67-63-0)

Log Pow

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 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

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

- (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.

## DOT Vessel Stowage Location

<table>
<thead>
<tr>
<th>Additional information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other information</td>
<td>No supplementary information available.</td>
</tr>
</tbody>
</table>

## ADR

- Transport by sea: No additional information available
- Air transport: No additional information available

## 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
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Listed on SARA Section 313 (Specific toxic chemical listings)</td>
</tr>
<tr>
<td>EPA TSCA Regulatory Flag</td>
<td>T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>1.0 % (only if manufactured by the strong acid process, no supplier notification)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L-Menthol (2216-51-5)</th>
<th>Listed on the United States TSCA (Toxic Substances Control Act) inventory</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Polyethylene glycol (25322-68-3)</th>
<th>Listed on the United States TSCA (Toxic Substances Control Act) inventory</th>
</tr>
</thead>
</table>

### 15.2. International regulations

#### CANADA

<table>
<thead>
<tr>
<th>Isopropyl alcohol (67-63-0)</th>
<th>Listed on the Canadian DSL (Domestic Sustances List) inventory.</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
<td>Class B Division 2 - Flammable Liquid</td>
</tr>
<tr>
<td></td>
<td>Class D Division 2 Subdivision B - Toxic material causing other toxic effects</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L-Menthol (2216-51-5)</th>
<th>Listed on the Canadian DSL (Domestic Sustances List) inventory.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Polyethylene glycol (25322-68-3)</th>
<th>Listed on the Canadian DSL (Domestic Sustances List) inventory.</th>
</tr>
</thead>
</table>

### EU-Regulations

<table>
<thead>
<tr>
<th>Isopropyl alcohol (67-63-0)</th>
<th>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-Menthol (2216-51-5)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Polyethylene glycol (25322-68-3)</th>
<th>Listed on the EU - No-Longer Polymers List (67/548/EEC)</th>
</tr>
</thead>
</table>

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

Not classified

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

Not classified
Medicaine® Sting and Bite Relief
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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)

**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.
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- Listed on the AICS (the Australian Inventory of Chemical Substances)
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- Listed on the Japanese ENCS (Existing & New Chemicals Substances inventory).
- Listed on Industrial Safety and Health Law Substances (ISHL)
- 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

Other information : None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irr. 2A</td>
<td>Serious eye damage/eye irritation, Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>Skin Irr. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
</tbody>
</table>

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

SDS US (GHS HazCom 2012)
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