



## **SAFETY DATA SHEET**

EFFECTIVE DATE: 12/02/15

**ITEM:** Cold Weather Emergency Kit  
Deluxe "5" Flare Roadside Kit

<b>PART #</b>	<b>UPC</b>
8902	039147089029
8902S	same
8902-5	039147089050
8902-5S	same

### **CONTENTS:**

Alcohol Prep / Swab SDS  
Antiseptic Towelette SDS  
Battery SDS  
First Aid Burn Cream SDS  
Fusee SDS  
Hothands 2 SDS  
Instant Cold Pack SDS  
Lightstick SDS  
Moist Towelette SDS  
Purified Water SDS  
Safety Matches SDS  
Sting and Bite Pad SDS  
Tea Candle SDS

### **SHIPPING INFORMATION**

UN1944 Match, Safety



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

Reviewed on 5/4/15

## 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:



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Eyes – Liquid, mist or vapor will cause conjunctival irritation and possible corneal damage.

Skin – Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis. Liquid may be absorbed through the skin but not in toxicologically significant amounts, unless the contact area is large and under prolonged exposure.

Ingestion – Swallowing a small amount may have the effect of any of these symptoms: irritation of mouth, throat, digestive tract, and central nerves system depression.

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**

Hazardous Ingredients (specific)	% Composition	CAS Number
Isopropyl Alcohol (2-Propanol)	70%	67-63-0
Inactive Ingredient		
Water	30%	7732-18-5



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## 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



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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.



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## SECTION 8. Exposure controls/personal protection

- OSHA Occupation Exposure Standards PEL 400ppm (980mg/m<sup>3</sup>) 8h TWA
- UK EH40: OES 400ppm (980mg/m<sup>3</sup>) 8h TWA
- UK EH40: OES 500ppm (1225mg/m<sup>3</sup>) 15min TWA
- ACGIH: TLV 200ppm (980mg/m<sup>3</sup>) 8h TWA
- ACGIH: STEL 400ppm (1225mg/m<sup>3</sup>) 15min TWA
- Personal Protective Equipment
  - Gloves
  - Eye
  - Clothing

## SECTION 9. Physical and chemical properties

Appearance – Liquid Saturated Towelette / Pad / Swab  
Color – Clear  
Odor – Alcohol  
Vapor Density – 2.1 (Air = 1)  
Viscosity (cSt) – 2.9 cps at <@2> °C

Evaporation Rate – Environmental Dependent  
Water Solubility – Complete  
Specific Gravity – 0.8405

## SECTION 10. Stability and reactivity

Stability –	Stable under normal conditions
Conditions to Avoid –	None
Incompatibility –	None
Hazardous Decomposition or By-product –	Oxides of carbon





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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



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- 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





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- 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.



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Reviewed on 4/21/15

## 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.



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**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

Ingredients	CAS Number	%
BZK	8001-54-5	0.13
Water	7732-18-5	99.87

### SECTION 4. First-aid measures

**First aid procedures**

**Eye Contact**

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin Contact**

In case of skin irritation, discontinue use of product.

**Inhalation**

Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion**

Not a normal route of exposure. Do not induce vomiting, Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.



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#### 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.



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## SECTION 8. Exposure controls/personal protection

<b>Engineering controls:</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Follow standard industrial hygiene practices.
<b>Hand protection</b>	Not required.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use and approved NIOSH respirator.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

## SECTION 9. Physical and chemical properties

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

## SECTION 10. Stability and reactivity

**Chemical Stability:** Stable under recommended storage conditions.  
**Incompatibility:** Caustics. Acids. Oxidizers.





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**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





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**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)**



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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:**

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## SAFETY DATA SHEET

The Safety Data Sheet is supplied as a service to you. For other related information, please visit:

<http://www.rayovac.com>

### 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

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

\*Source: OSHA 29 CFR 1910.1000 Table Z-1, 2 or 3 11-01-2012

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## 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:

<http://www.nema.org/Policy/Environmental-Stewardship/Documents/batteryingest.pdf>

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## 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.

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## 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.

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## 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.

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## 8. EXPOSURE CONTROL/PERSONAL 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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point @ 760 mm Hg (°C):	NA	Percent Volatile by Volume (%):	NA
Vapor Pressure (mm Hg @ 25°C):	NA	Evaporation Rate (Butyl Acetate = 1):	NA
Vapor Density (Air = 1):	NA	Physical State:	NA
Density (grams/cc):	NA	Solubility in Water (% by Weight):	NA
pH:	NA	Appearance and Odor:	Geometric solid object

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## 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

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## 11. TOXICOLOGICAL INFORMATION

INGREDIENT NAME	CAS #	%	TLV*/**TWA
Steel	7439-89-6	8-14	Not Listed
Manganese Dioxide	1313-13-9	28-32	C5.0 mg/m <sup>3</sup> (TWA)
Zinc	7440-66-6	16-20	5.0 mg/m <sup>3</sup> (ZnOas Fume)
Acetylene Black	1333-86-4	7-13	3.5 mg/m <sup>3</sup> (Carbon Black, TWA)
Ammonium Chloride	12125-02-9	1-3	Not Listed
Zinc Chloride	7646-85-7	6-10	Not Listed
Lead	7439-92-1	<0.02	50 ug/m <sup>3</sup> (TWA)
Water, paper, plastic, other	---	Balance	---

## **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.

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## **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>

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## **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.

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## **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.

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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.



# MATERIAL SAFETY DATA SHEET

<b>First Aid Burn Cream</b>	MSDS No.:	007
	Revision No.:	5
	Effective Date:	10/21/2014

## PRODUCT AND COMPANY INFORMATION – SECTION 1

<b>Manufacturer/Distributor</b>	Water-Jel Technologies
	50 Broad Street
	Carlstadt, NJ 07072
	201-507-8300
	800-275-3433
<b>Product Name:</b>	<b>First Aid Burn Cream</b>
<b>Synonyms:</b>	Topical Cream, Burn Cream
<b>Intended Use:</b>	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.

<b>Chemical Name:</b>	Cetyl Alcohol	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	36653-82-4	
<b>Exposure Limits:</b>	None Established	
<b>Chemical Name:</b>	Germaben II	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	No information available.	
<b>Exposure Limits:</b>	None Established	
<b>Chemical Name:</b>	Glycerin	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	56-81-5	
<b>Exposure Limits:</b>	ACGIH TWA (Glycerin Mist):	OSHA PEL (Glycerin Mist):
	Total Dust: 15 mg/m <sup>3</sup>	Total Dust: 10 mg/m <sup>3</sup>
	Respirable Fraction: 5 mg/m <sup>3</sup>	Respirable Fraction: 5 mg/m <sup>3</sup>
<b>Chemical Name:</b>	Glyceryl Monostearate SE (Glyceryl Stearate)	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	31566-31-3	
<b>Exposure Limits:</b>	TWA (Stearates):  10 mg/m <sup>3</sup>	

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<b>Chemical Name:</b>	White Mineral Oil
<b>Percent:</b>	Proprietary
<b>CAS Number:</b>	8042-47-5
<b>Exposure Limits:</b>	None Established
<b>Chemical Name:</b>	Peg 100
<b>Percent:</b>	Proprietary
<b>CAS Number:</b>	25322-68-3
<b>Exposure Limits:</b>	None Established
<b>Chemical Name:</b>	Stearic Acid
<b>Percent:</b>	Proprietary
<b>CAS Number:</b>	57-11-4
<b>Exposure Limits:</b>	None Established

## HAZARDS IDENTIFICATION – SECTION 3

<b>EMERGENCY OVERVIEW &amp; HAZARDS PRESENT TO MAN AND THE ENVIRONMENT</b>	May cause irritation to eyes and may cause irritation of the digestive tract when ingested.
<b>PRIMARY ROUTES OF EXPOSURE</b>	Eye contact, Ingestion
<b>POTENTIAL HEALTH EFFECTS:</b>	
<b>Eyes:</b>	May cause irritation, characterized by a burning sensation, redness, tearing, inflammation, dryness, and possible other effects.
<b>Skin:</b>	No adverse conditions expected.
<b>Inhalation:</b>	Unlikely route of exposure.
<b>Ingestion:</b>	May cause irritation of the digestive tract.
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:</b>	No information available.
<b>CHRONIC HEALTH EFFECTS:</b>	
<b>Eyes:</b>	Flush eyes with clear running water for a minimum of fifteen (15) minutes while holding eyelids open; if irritation persists, seek medical attention.
<b>Skin:</b>	No adverse conditions expected.
<b>Inhalation:</b>	Unlikely route of exposure.
<b>Ingestion:</b>	Rinse out mouth and drink lots of water. In case of unusual symptoms, seek medical attention and show physician the container details.

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FIRST AID MEASURES – SECTION 4	
<b>SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.</b>	
<b><u>FIRST AID MEASURES:</u></b>	
<b>Eyes:</b>	Flush immediately with large amounts of water. If redness or irritation persists, contact a physician.
<b>Skin:</b>	No adverse conditions expected.
<b>Inhalation:</b>	Unlikely route of exposure.
<b>Ingestion:</b>	Contact a physician immediately.
<b>Instructions for Physician:</b>	Available data does not identify any conditions.

FIRE FIGHTING MEASURES – SECTION 5			
<b><u>NFPA Classification</u></b>			
<b><u>Health</u></b>	<b><u>Fire</u></b>	<b><u>Reactivity</u></b>	<b><u>Other</u></b>
1	0	0	N/A
<b><u>FLAMMABILITY PROPERTIES</u></b>			
<b>Flash Point:</b>	N/A	<b>Method:</b>	N/A
<b>Flammability Limits:</b> (in air % by volume)		<b>LEL:</b>	N/A
		<b>UEL:</b>	N/A
<b><u>Autoignition Temperature:</u></b>			
N/A			
<b><u>Hazardous Combustion Products:</u></b>			
Carbon Monoxide, Carbon Dioxide			
<b><u>Extinguishing Media:</u></b>			
Use extinguishing media appropriate for the surrounding fire. Use water spray, foam or dry chemical.			
<b><u>Prohibited Extinguishing Media:</u></b>			
In fires involving large quantities of this product, the use of large streams of water should be avoided.			
<b><u>Firefighting Instructions:</u></b>			
Use self-contained breathing apparatus when fighting fires that involve this material.			
<b><u>Unusual Fire and Explosion Hazards:</u></b>			
Carbon monoxide and carbon dioxide may be generated.			

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## 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

<b>Handling:</b>	Keep this and other chemicals out of reach of children.
<b>Storage:</b>	Do not store or mix with strong acids or oxidizers.
<b>Specific Uses:</b>	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:

#### Exposure Limits Values:

	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Stearates (Glyceryl Stearate)	Not Established	10 mg/m <sup>3</sup>
Glycerin Mist (Glycerin)	<u>Total Dust:</u> 15 mg/m <sup>3</sup>	<u>Total Dust:</u> 10 mg/m <sup>3</sup>
	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>

### 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.

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## Other Protective Equipment:

Eye wash stations should be nearby and ready for use.

## PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

<b>PRODUCT:</b>	<b>First Aid Burn Cream</b>
<b>General Information:</b>	
Appearance	White homogeneous cream
Odor	Slightly fatty odor
<b>Important Health, Safety, and Environmental Information:</b>	
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 ( <i>n</i> -octanol/water)	No information available.
Viscosity	No information available.
Vapor Pressure ( <i>mm Hg</i> )	No information available.
Vapor Density ( <i>Air = 1</i> )	No information available.
Evaporation Rate	0.07
% Volatile ( <i>By Volume @ 68°F</i> )	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

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## Hazardous Polymerization:

Will not occur.

## TOXICOLOGICAL INFORMATION – SECTION 11

<u>Type of Test</u>	<u>Route of Exposure</u>	<u>Effects</u>	<u>Species Observed</u>	<u>Dose Data</u>
LD <sub>50</sub> – (Cetyl Alcohol)	Oral	Death	Rodent - Rat	5 mg/kg
LD <sub>50</sub> – (Glycerin)	Oral	Death	Rodent - Rat	12600 mg/kg
LD <sub>50</sub> – (Glyceril Stearate)	Intraperitoneal	Death	Rodent - Mouse	200 mg/kg
LD <sub>50</sub> – (Mineral Oil)	Oral	Death	Rodent - Mouse	22 gm/kg
LD <sub>50</sub> – (Stearic Acid)	Intravenous	Death	Rodent - Rat	21500 ug/kg

## 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:

<b>UN Number:</b>	Not Regulated for Domestic Transport.
<b>Class:</b>	



# MATERIAL SAFETY DATA SHEET

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Proper Shipping Name:	Not regulated for Domestic Transport.
Packing Group:	
Marine Pollutant:	
Other Information:	
<u><b>IATA CLASSIFICATION:</b></u>	
Un Number:	Not Regulated for International Air Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	
<u><b>IMDG CLASSIFICATION:</b></u>	
Un Number:	Not Regulated for International Water Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

REGULATORY INFORMATION – SECTION 15	
<b><u>US REGULATIONS</u></b>	
<b>ACGIH</b>	<u>TWA (Glycerin Mist):</u>
	<u>Total Dust:</u> 15 mg/m <sup>3</sup>
	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>
	<u>TWA (Stearates):</u>
	10 mg/m <sup>3</sup>
<b>CAA Section 112</b>	Not Listed
<b>CERCLA</b>	Not Listed
<b>IARC</b>	Not Listed
<b>NTP</b>	Not Listed
<b>OSHA</b>	<u>OSHA PEL (Glycerin Mist):</u>
	<u>Total Dust:</u> 10 mg/m <sup>3</sup>
	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>
<b>SARA Title III</b>	Not Listed

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TSCA	Not Listed
<b><u>STATE REGULATIONS</u></b>	
MA substance List	Not Listed
NJ RTK Hazardous Substance List	Not Listed
PA Hazardous Substance List	Not Listed
Canadian WHMIS	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



Hazard Statements

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

Signal Word

**Warning**

#### 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.

P301/315 IF SWALLOWED: Get immediate medical advice /attention.  
P302/352 IF ON SKIN: Wash with plenty of soap and water.  
P304/340/342 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.  
P305/338/351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333/313 If skin irritation or rash occurs, get medical advice / attention.

**Hazards Not Otherwise Classified (HNOC):** produces hot flame

### 3. Composition / Information on Ingredients

Component	CAS #	EINCS #	%age
Strontium Nitrate	10042-76-9	233-131-9	<75%
Sulfur	7704-34-9	231-722-6	<25%
Potassium Nitrate	7757-79-1	231-818-8	<25%
Paraffinic Oil	64742-54-7	232-384-2	<10%
Potassium Chlorate	3811-04-9	231-100-4	<5%
Waxy sawdust	mixture	none	<5%
Polyvinyl Chloride	9002-86-2	200-831-0	<5%
Shellac	mixture	none	<1%
Charcoal	1333-86-4	231-153-3	<1%

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

<b>Inhalation</b>	If contents are inhaled, remove to fresh air. Watch for signs of allergic reaction. If other symptoms develop, get medical aid immediately.
<b>Skin</b>	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.
<b>Eyes</b>	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.
<b>Ingestion</b>	Get medical aid immediately.

Most important symptoms and effects both acute and delayed See section 2 labeling and section 11

Indication of any immediate medical attention and special treatment needed

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

<b>Extinguishing Media</b>	Water deluge	<b>Unsuitable Extinguishing Media</b>	Foam and dry chemical extinguishers and suffocation are ineffective.
<b>Protective Equipment and Precautions for Firefighters</b>	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.		
<b>Specific Hazards Arising from the Chemical</b>	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.		
<b>Further information</b>	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

Exposure Limits	OSHA PEL	ACGIH TLV
Strontium Nitrate	Not Established	Not Established
Sulfur	Not Established	Not Established
Potassium Nitrate	Nuisance dust 15 mg/m <sup>3</sup> .	Nuisance dust 15 mg/m <sup>3</sup> .
Paraffinic Oil	5 mg/m <sup>3</sup>	TWA 5 mg/m <sup>3</sup>
Potassium Chlorate	No Airborne Exposure Limits established	No Airborne Exposure Limits established
Waxy sawdust	Not Established	Not Established
Polyvinyl Chloride	No known hazardous components above regulatory thresholds in this product.	No known hazardous components above regulatory thresholds in this product.
Shellac	Not Established	Not Established
Charcoal	Nuisance dust 15 mg/m <sup>3</sup> .	Nuisance dust 15 mg/m <sup>3</sup> .

### 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 t N95 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

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

## 10. Stability and Reactivity

Chemical Stability	Stable	Reactivity:	No information available	Possibility of Hazardous Reactions	Hazardous polymerization will not occur
Conditions to Avoid	Combustible materials, heat, flames, sparks and other sources of ignition. Moisture.	Incompatible Materials	Strong acids, strong fuels, ammonia salts, and strong bases. Strong oxidizers; chlorate salts.	Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.

## 11. Toxicology Information

### Ingredient acute toxicity information

Ingredient	Oral LD50	skin LD50	LC50
Strontium Nitrate	Rat: 2750 mg/kg	No information found	No information found
Sulfur	Rat: >2000 mg/kg	Rat: >2000 mg/kg	Rat: 79.23 mg/L 4hr
Potassium Nitrate	Rat: 3750 mg/kg	No information found	No information found
Paraffinic Oil	Rat: >2000 mg/kg	Rat: >2000 mg/kg	No information found
Potassium Chlorate	Rat: 1870 mg/kg	Rabbit: > 2000 mg/kg	No information found
Waxy sawdust	Rat: > 5000 mg/kg	not stated	not stated
Polyvinyl Chloride	Rat: > 5000 mg/kg	no known hazardous components above regulatory thresholds in this product.	no known hazardous components above regulatory thresholds in this product.
Shellac	Rat: 10000 mg/kg	No information found	No information found
Charcoal	Rat: 15400 mg/kg	Rabbit: 3 g/kg	No information found

### Product toxicological information

Acute Toxicity	Not classified – <i>Acute Toxicity Estimate yields oral LD<sub>50</sub> over 5000 mg/kg bw</i>
Skin Irritation / Corrosion	Category 2 – <i>over 10% of ingredients classified as a Category 2</i>
Serious Eye Damage / Irritation	Category 2a – <i>over 10% of ingredients classified as a Category 2a</i>
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 – <i>respiratory over 10% of ingredients classified as a Category 3 respiratory STOT hazard</i>
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.

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

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.

### Interactive effects

No information found

## 12. Ecological Information

### Ingredient toxicity / persistence / degradability / bioaccumulation / mobility in soil and water

Aquatic Toxicity	<u>Strontium Nitrate:</u> <i>Acute toxicity - Fishes, Carassius auratus, LC100, 9,615 mg/l; Chronic toxicity - Fishes, Gasterosteus aculeatus, LC100, 2,912 mg/l</i> <u>Sulfur:</u> <i>Toxicity to fish LC50 - Oncorhynchus 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</i> <u>Potassium Chlorate:</u> <i>fish: LC50 oncorhynchus mykiss (rainbow trout) 1750 mg/l - 96 hr, EC50 daphnia magna (water flea) 1093 mg/l 24 hr</i> <u>Paraffinic Oil:</u> <i>Oil Mist, Mineral Lepomis macrochirus (LC50) 96 hour(s) &gt;100 mg/l Oncorhynchus mykiss (LC50) 96 hour(s) &gt;100 mg/l</i> <u>Potassium Nitrate:</u> <i>fish: Guppy (Poecilia Reticulata) LC50 180 mg/L (96 h); zooplankton: Daphnia magna LC50 490mg/l - 48hr</i>
Persistence / Degradability	<u>Potassium Nitrate:</u> Soluble in water Persistence is unlikely based on information available.
Bioaccumulation / Accumulation	No information found
Mobility in Environmental Media	<u>Strontium Nitrate:</u> <i>Water:: considerable solubility and mobility; Soil/sediments non-significant adsorption</i> <u>Potassium Nitrate:</u> <i>Will likely be mobile in the environment due to its water solubility.</i>
Other adverse effects	No information found

### 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

Description	ID Number	shipping name	hazard class	packing group	EX Number	Reportable Quantities	Shipping method
<b>United States</b>							
Bulk flares	NA1325	Fusee	4.1	II	Not applicable	none	Ground only
Retail packaged flares	UN3178	ORM-D / Limited Quantity	Not applicable	Not applicable	Not applicable	none	Ground only
<b>International / Air</b>							
Bulk flares	UN0373	Signal devices, hand	1.4S	II	EX-1992090001	none	Air / ground
<b>Marine Pollutant:</b> no							
<b>Special precautions for user:</b> No information available							

### 15. Regulatory Information

US Regulations	TSCA	CERCLA	CWA	CAA	SARA 313	SARA 302	Acute	Chronic	Fire	Reactivity	Pressure
Strontium Nitrate	yes	no	no	no	no	no	yes	no	no	yes	no
Sulfur	yes	no	no	no	no	no	yes	no	yes	no	no
Potassium Nitrate	yes	no	no	no	yes	no	no	no	no	yes	no
Paraffinic Oil	yes	no	no	no	no	no	no	no	no	no	no
Potassium Chlorate	yes	no	no	no	no	no	yes	no	no	yes	no
Waxy sawdust	yes	no	no	no	no	no	no	no	no	no	no
Polyvinyl Chloride	yes	no	no	no	no	no	yes	no	no	no	no
Shellac Mixture	yes	no	no	no	yes	no	unknown	unknown	unknown	unknown	unknown
Charcoal	yes	no	no	no	no	no	no	no	no	no	no
<b>US States</b>											
Prop 65	NJ	PA	<b>Canada</b>				<b>WHMIS</b>		<b>DSL</b>	<b>Europe</b>	<b>wgk</b>
Strontium Nitrate	no	1743	no	C Oxidizing materials D1B Toxic materials D2B Toxic materials				yes			2
Sulfur	no	1757	yes	B4 Flammable solid D2B Toxic materials				yes			1 / nwg
Potassium Nitrate	no	1574	yes	C Oxidizing materials				yes			1
Paraffinic Oil	no	1437	no	No results				yes			not listed
Potassium Chlorate	yes	1560	yes	C Oxidizing materials D1B Toxic materials				yes			2
Waxy sawdust	yes	no	no	No results				yes			not listed
Polyvinyl Chloride	no	3622	no	No results				yes			not listed
Shellac Mixture	no	no	no	No results				unknown			not listed
Charcoal	yes	yes	yes	D2A Very toxic materials D2B Toxic materials				yes			nwg

### 16. Other Information

Revision Information: May 2015

NFPA Rating		HMIS Rating	
Flammability	1	Flammability	1
Health	2	Health	2
Reactivity	1	Physical Hazard	1

#### Key / Legend:

HMIS: hazardous material identification system  
NFPA: national fire protection association  
CAS: Chemical Abstracts Service number  
EINECS: European inventory of existing chemical substances  
OSHA PEL: occupational safety and health administration permissible exposure limit  
NIOSH TLV: national institute of occupational safety and health Threshold Limit Value  
TSCA: toxic substance control act - US

CERCLA: comprehensive environmental response, compensation and liability act - US  
CWA: clean water act - US  
CAA: clean air act - US  
SARA: superfund amendments and reauthorization act - US  
PROP 65: California's Proposition 65 list  
WHMIS: workplace hazardous materials information system - Canada  
DSL: Domestic Substances List - Canada  
WGK: water hazard classes - Germany

#### Legal Statement

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# HEATMAX

## INCORPORATED

**MATERIAL SAFETY DATA SHEET****VERSION: 10/07/11**

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**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

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PRODUCT NAME: Air-Activated heating packs of various sizes  
(HotHands-2, Foot Warm-Up, Toasti Toes, HotHands Body Warmer, Adhesive Body Warmer, Survival Heat Pack & Cura-Heat Warmers)

SYNONYM: Heating pad wrapped in protective film.

ADDRESS: HEATMAX, INC., 513 HILL ROAD, DALTON, GA 30721

EMERGENCY PHONE NUMBER: 1-800-432-8629

For non-emergency information, call: 1-800-432-8629

---

**Section 2: COMPOSITION / INFORMATION ON INGREDIENTS**

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<u>COMPONENT</u>	<u>CAS NO.</u>
Polymer	9003-04-7
Iron powder	7439-89-6
Activated charcoal	7440-44-0
Water	N/A
Vermiculite	1318-00-9
Salt	7647-14-5

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**Section 3: HAZARDS IDENTIFICATION**

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EMERGENCY OVERVIEW

Appearance and odor: Odorless, solid powder

HAZARD RATING

(On a scale of 1 to 4, with one indicating slight and four very high)

Health: 1

Flammability: 2

Reactivity: 1

POTENTIAL HEALTH EFFECTS

Likely routes of exposure: Skin & eye contact

Eye contact: No more than slight irritation

Skin contact: No more than slight irritation or burns

Inhalation: N/A

Ingestion: If accidentally ingested, in addition to the heat, the iron content could result in toxicity. If swallowed, wash out mouth with water and immediately seek medical attention.

Oral Toxicity:  $\geq 2,000\text{mg / kg}$



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# HEATMAX

## INCORPORATED

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### Section 4: FIRST AID MEASURES

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If in eyes or on skin: Flush eyes with large amount of water until irritation subsides, if irritation persists, get medical attention.

---

### Section 5: FIRE FIGHTING MEASURES

---

AUTOIGNITION: NOT NOTED                      UPPER EXPLOSIVE LIMIT: N/A

FLASH POINT: NOT NOTED                      LOWER EXPLOSION LIMIT: N/A

EXTINGUISHING MEDIA: In case of fire, use a water, spray foam, dry chemical or carbon dioxide extinguisher.

FIRE FIGHTING PROCEDURE: NO SPECIAL PROCEDURES ARE REQUIRED.

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### Section 6: SPILL OR LEAK PROCEDURES

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Spill or leak procedures: Spills or leaks should be cleaned with water.

Waste disposal methods: Dispose with regular garbage.

---

### Section 7: HANDLING AND STORAGE

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HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

STORAGE TEMPERATURE: COOL DRY PLACE

HANDLING/STORAGE PROCEDURE: NONE

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### Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

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RESPIRATORY PROTECTION: NOT APPLICABLE

VENTILATION PROTECTION: NOT APPLICABLE

EFFECTS OF CHRONIC EXPOSURE: NONE

EYE PROTECTION: NOT APPLICABLE

APPLICABLE GLOVE REQUIREMENT: NOT APPLICABLE

CLOTHING: NOT APPLICABLE

RESPIRATORY PROTECTION: NONE

VENTILATION REQUIREMENT: NONE

---

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

---

APPEARANCE: DARK POWDER

ODOR: ODORLESS

DISPERSIBILITY: SLIGHTLY SOLUBLE IN WATER

BOILING POINT: NOT NOTED

BULK DENSITY: (gm per cc) NOT NOTED

SPECIFIC GRAVITY: (water = 1) NOT NOTED

PH: NOT NOTED

VOLATILES: NOT NOTED

STABILITY: STABLE WILL NOT POLYMERIZE  
MATERIALS TO AVOID: NONE  
HAZARDOUS DECOMPOSITION: NONE KNOWN  
HAZARDOUS POLYMERIZATION: DOES NOT OCCUR

However, toxicity information is available on other closely related material.

ALL NATURAL INGREDIENTS THAT WILL NOT HARM THE ENVIRONMENT

This product is not a “HAZARDOUS WASTE”. It can be disposed of with regular garbage.

THIS PRODUCT IS NOT HAZARDOUS UNDER THE APPLICABLE D.O.T. REGULATIONS

The information given and the recommendations made herein apply to our product(s) alone and not combined with other product(s). Information is based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes. **This notice must not be detached from the forgoing MSDS. If the MSDS is copied for any reason, including distribution, this notice must also be copied and accompany all redistributed MSDS. FAILURE TO DO SO MAY BE SUBJECT TO PENALTIES UNDER LAW.**

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

Reviewed on 1/7/15

## Safety Data Sheet

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Instant Cold Packs  
**Product Use:** An economical, one time use disposable product that promotes faster healing for the treatment of bruises, cuts, lacerations, sprains, minor burns, sinus & tension headaches, insect bites and toothaches.  
**Product Codes:** 4511-4512-4515  
**Responsible Party:** Dynarex Corporation  
10 Glenshaw Street  
Orangeburg, NY 10962  
**Emergency or Information Phone No.:** (888)-DYNAREX or 845-365-8200 (Mon – Fri).  
At other times, contact the local Poison Control Center.

### 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:	Health:	1 (Slight)
	Flammability:	0 (Least)
	Reactivity:	3 (High)
	Other:	OXY (Oxidizer)



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## 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

<u>HAZARDOUS COMPONENTS</u>	<u>% Weight</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Ammonium Nitrate CAS# 6484-52-2	40-70	Not Established		

<u>OTHER COMPONENTS</u>	<u>% Weight</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Water CAS# 7732-18-5	30-60	Not Established		

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





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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.



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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).



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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.





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## 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.

<u>COMPONENT</u>	<u>CAS NUMBER</u>
------------------	-------------------

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)	7446-41-7
--	-----------



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Water dissociable nitrate compounds None

**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.

**Safety Data Sheet**  
**According to HCS-2012 APPENDIX D TO §1910.1200**



**Fluorescent material**

---

## 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/A  
QUA

### (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.

---

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**Safety Data Sheet**  
**According to HCS-2012 APPENDIX D TO §1910.1200**



**Fluorescent material**

---

### 3. Composition/information on ingredients

---

#### (a) Mixtures information

Chemical name	CAS No.	Concentration
Dimethyl Phthalate	131-11-3	58.5%
Butyl Benzoate	136-60-7	28.5%
CPPO	75203-51-9	4.7%
Hydrogen Peroxide	7722-84-1	2.2%
H2O	7732-18-5	6.0%
Fluorescer	10075-85-1	0.1%

---

### 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.

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### 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.



Fluorescent material

## 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

Component	OSHA		NIOSH	
	PEL-TWA	PEL-STEEL	REL-TWA	REL-STEEL
131-11-3	5 mg/m <sup>3</sup>	Not Established	5 mg/m <sup>3</sup>	Not Established
136-60-7	Not Established	Not Established	Not Established	Not Established
75203-51-9	Not Established	Not Established	Not Established	Not Established
7722-84-1	1.4 mg/m <sup>3</sup>	Not Established	1.4 mg/m <sup>3</sup>	Not Established
7732-18-5	Not Established	Not Established	Not Established	Not Established
10075-85-1	Not Established	Not Established	Not Established	Not Established

### (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/m<sup>3</sup>

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/m<sup>3</sup>



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/m<sup>3</sup>

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/m<sup>3</sup>

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**

<b>(g) Flash point</b>	>200°F (93.3°C) Closed Cup
<b>(h) Evaporation rate</b>	Not available.
<b>(i) Flammability</b>	No
<b>(j) Upper/lower flammability or explosive limits</b>	Not available.
<b>(k) Vapor pressure</b>	Not available.
<b>(l) Vapor density</b>	Not available.
<b>(m) Relative density</b>	Not available.
<b>(n) Solubility(ies)</b>	Not available.
<b>(o) Partition coefficient: n-octanol/water</b>	Not available.
<b>(p) Auto-ignition temperature</b>	Not available.
<b>(q) Decomposition temperature</b>	Not available.
<b>(r) Viscosity</b>	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 (CO<sub>2</sub>) 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.



**Safety Data Sheet**  
**According to HCS-2012 APPENDIX D TO §1910.1200**



**Fluorescent material**

**(b) Information on toxicological characteristics**

<b>Acute toxicity:</b>	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.
<b>Skin corrosion/irritation:</b>		No data available.
<b>Serious eye damage/irritation:</b>		No data available.
<b>Respiratory sensitization:</b>		No data available.
<b>skin sensitization:</b>		No data available.
<b>Carcinogenicity:</b>		Not listed by IARC and NTP.
<b>Germ Cell Mutagenicity:</b>		No data available.
<b>Reproductive Toxicity:</b>		No data available.
<b>STOT-Single Exposure:</b>		No data available.
<b>STOT-Repeated Exposure:</b>		No data available.
<b>Aspiration Hazard:</b>		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:
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**Safety Data Sheet**  
**According to HCS-2012 APPENDIX D TO §1910.1200**



**Fluorescent material**

	28.4 - 71 mg/L; 96 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 142 mg/L [static]; 96 Hr EC50 <i>Skeletonema costatum</i> : 26.1 mg/L; 72 Hr EC50 <i>Desmodesmus subspicatus</i> : 204 mg/L
136-60-7	No data available.
75203-51-9	No data available.
7722-84-1	Freshwater Fish: 96 Hr LC50 <i>Pimephales promelas</i> : 16.4 mg/L; 96 Hr LC50 <i>Lepomis macrochirus</i> : 18 - 56 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 10.0 - 32.0 mg/L [static] Water Flea: 24 Hr EC50 <i>Daphnia magna</i> : 7.7 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 18 - 32 mg/L [Static] Freshwater Algae: 72 Hr EC50 <i>Chlorella vulgaris</i> : 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

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**(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

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

---

**Safety Data Sheet**  
**According to HCS-2012 APPENDIX D TO §1910.1200**



**Fluorescent material**

---

**15. Regulatory information**

---

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

<b>CAS No.</b>	<b>USA TSCA</b>	<b>EU EINECS</b>	<b>Korea ECL</b>	<b>China IECSC</b>	<b>Canada DSL</b>
131-11-3	Listed	Listed	Listed	Listed	Listed
136-60-7	Listed	Listed	Listed	Listed	Listed
75203-51-9	Not listed	Listed	Listed	Not listed	Not listed
7722-84-1	Listed	Listed	Listed	Listed	Listed
7732-18-5	Listed	Listed	Listed	Listed	Listed
10075-85-1	Listed	Listed	Listed	Not listed	NDSL
Remark: The above-mentioned search results are based on the Non-Confidential Inventory.					

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**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:

*Echo He*

Echo He

Technical Report checked:

*Kevin Zhang*

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 5<sup>th</sup> 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

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...2

**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

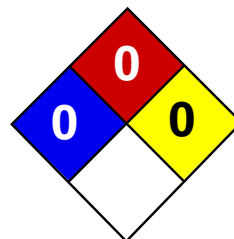
Health Hazards: N/A  
Carcinogenicity: N/A

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 that 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.



Health	0
Fire	0
Reactivity	0
Personal Protection	A

## Material Safety Data Sheet

### Water, Purified MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** Water, Purified

**Catalog Codes:** SLP4732

**CAS#:** 7732-18-5

**RTECS:** ZC0110000

**TSCA:** TSCA 8(b) inventory: Water

**CI#:** Not available.

**Synonym:** Dihydrogen oxide

**Chemical Name:** Water

**Chemical Formula:** H<sub>2</sub>O

#### Contact Information:

**Sciencelab.com, Inc.**

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: [ScienceLab.com](http://ScienceLab.com)

**CHEMTREC (24HR Emergency Telephone), call:**

1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

#### Section 2: Composition and Information on Ingredients

##### Composition:

Name	CAS #	% by Weight
Water	7732-18-5	100

**Toxicological Data on Ingredients:** Not applicable.

#### Section 3: Hazards Identification

##### Potential Acute Health Effects:

Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-irritating to the eyes. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs. Non-corrosive to the eyes. Non-corrosive for lungs.

##### Potential Chronic Health Effects:

Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-irritating to the eyes. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

#### Section 4: First Aid Measures

**Eye Contact:** Not applicable.



**Skin Contact:** Not applicable.

**Serious Skin Contact:** Not available.

**Inhalation:** Not applicable.

**Serious Inhalation:** Not available.

**Ingestion:** Not Applicable

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:** Not Applicable

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:** Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Large Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

## Section 7: Handling and Storage

**Precautions:** No specific safety phrase has been found applicable for this product.

**Storage:** Not applicable.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Not Applicable

**Personal Protection:** Safety glasses. Lab coat.

**Personal Protection in Case of a Large Spill:** Not Applicable

**Exposure Limits:** Not available.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Liquid.

**Odor:** Odorless.

**Taste:** Not available.

**Molecular Weight:** 18.02 g/mole

**Color:** Colorless.

**pH (1% soln/water):** 7 [Neutral.]

**Boiling Point:** 100°C (212°F)

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** 1 (Water = 1)

**Vapor Pressure:** 2.3 kPa (@ 20°C)

**Vapor Density:** 0.62 (Air = 1)

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not applicable

**Solubility:** Not Applicable

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Not available.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Absorbed through skin. Eye contact.

**Toxicity to Animals:**

LD50: [Rat] - Route: oral; Dose: > 90 ml/kg LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:**

Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs. Non-corrosive to the eyes. Non-corrosive for lungs.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:**

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

## Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## Section 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: Water

**Other Regulations:** EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):**

This product is not classified according to the EU regulations. Not applicable.

**HMIS (U.S.A.):**

**Health Hazard:** 0

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** a

**National Fire Protection Association (U.S.A.):**

**Health:** 0

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Not applicable. Lab coat. Not applicable. Safety glasses.

**Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/09/2005 06:14 PM

**Last Updated:** 05/21/2013 12:00 PM

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.*

# **SAFETY MATCHES**

Material Safety Data Sheet

(essentially similar to OSHA form 20)

Manufactured by: Atlas Match, LLC  
1801 South Airport Circle  
Euleless, Texas 76040

Phone: (817) 354-7474

Last revision Date: September 1, 2009

---

## **Product Information**

Generic ID: Matches, Safety, Book or Strike on Box UN 1944  
Brand Name: Atlas Book Matches, Advertising Book Matches and, various stock and special design names.  
Hazard Class: Flammable Solid  
Label Required: None (exception 49CFR 173.186c)

---

## **Hazardous Ingredients**

<u>Ingredient</u>	<u>Percent</u>	<u>PEL</u>	<u>Hazard</u>
Potassium Chlorate	3.0%	NE	Strong Oxidizer
Red Phosphorous	<1.0%	NE	Flammable Solid

---

## **Physical Data**

Appearance and Odor: Odorless manufactured article – wood or paper stem with matchhead.  
Solubility in Water: Non-paper components are partially soluble  
Specific Gravity: < 1.0 (water = 1.0)  
Boiling Point: NA  
Vapor Pressure and Density: NA  
Percent Volatile: 0 to 7% moisture  
Evaporation Rate: NA

---

## **Fire and Explosion Hazard Data**

Flash Point: NA  
Flammable Limits: NA  
Auto-ignition Point: Approx. 375 degrees F, Stable at 200 degrees F for 8 hours  
Extinguishing Media: Water or ABC dry chemical extinguisher

## **Special Fire Fighting Procedures**

1. Do not open sealed packages until fire is controlled, in order to limit oxygen availability.
2. Smoke from significant fire involvement will contain Oxides of Carbon and Sulfur Dioxide which is hazardous (TLV 2ppm), use self contained breathing apparatus.

## **Unusual Fire/Explosion Hazards**

Possibility of ignition if subjected to extreme shock or friction.

---

### **Health Hazard Data**

Threshold Limit Value:	None known for product
Effects of overexposure:	Contact with product while functioning can result in thermal burn.
First Aid Procedure:	Burns should be immersed in cold water (unless area is extensive and 3 <sup>rd</sup> degree) to relieve pain. Cover with sterile dressing and seek medical attention if required.

---

### **Reactivity Data**

Stability:	Stable
Conditions to avoid:	Avoid temperature over 200 degrees F and extreme shock.
Incompatibility:	Exposure to water or extreme dampness may effect performance; strong acids and phosphorus (red or yellow forms) may cause ignition.
Hazardous Polymerization:	Will not occur.

---

### **Spill or Leak Procedures**

#### **For spills including loose matches or broke cases**

Keep unnecessary personnel, open flames (including flares), heat sources and sparks away from area. Wet spilled material thoroughly before attempting clean up. Place in non-flammable container and submerge in water for one hour before disposal.

#### **For unopened cases**

Evaluate each case for possible ignition, looking for signs of smoke or warmth. Do not open any case which is warm or smoking, wet it down and dispose of when cool. Full cases not affected can be considered safe to use.

#### **Disposal**

Dispose of matches after at least one hour submersion under water by incineration or landfilling in accordance with local, state and federal regulations.

#### **California Users-Special Instructions:**

The match tips in this product contain perchlorate materials. Special handling may apply in California.  
See: [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

---

### **Special Precautions**

Protective equipment:	None normally required
Ventilation:	Natural is sufficient for normal use
Precautions for handling and storage:	Store in a cool, dry location. Avoid crushing or extreme mechanical shock.
Other precautions:	Close book before striking. Strike away from face and body.

---

The information accumulated herein is believed to be accurate, but is not warranted to be. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

## NEW SPECIAL PERMIT

Application No.	Docket No.	Applicant	Regulation(s) Affected	Nature of Special Permit Thereof
14420-N .....	.....	Garden State Tobacco d/ b/a H.J. Bailey Co., Neptune, NJ.	49 CFR 173.186(c) .....	To authorize the transportation in commerce of strike anywhere matches in non-DOT specifica- tion packages not exceeding 50 pounds each by private motor carrier not subject to the Haz- ardous Materials Regulations, except for mark- ing. (mode 1).



# Medicaine® Sting and Bite Relief

## Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 06/02/2014

Version: 1.0

### 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) :



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

Name	Product identifier	%	GHS-US classification
Polyethylene glycol	(CAS No) 25322-68-3	50 - 55	STOT SE 3, H335
Isopropyl alcohol	(CAS No) 67-63-0	20 - 25	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
L-Menthol	(CAS No) 2216-51-5	1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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

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

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

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

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

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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

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

#### 5.3. Advice for firefighters

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

### SECTION 6: Accidental release measures

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

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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

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

#### 6.2. Environmental precautions

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

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

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

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 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.

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### 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

Isopropyl alcohol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	980 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

### 8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Use explosion-proof ventilating equipment.
- Personal protective equipment : Avoid all unnecessary exposure. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. For certain operations, additional Personal Protection Equipment (PPE) may be required. Protective goggles. Gloves. Protective clothing.



- Hand protection : Wear protective gloves. rubber gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Wear suitable protective clothing. Chemical resistant safety shoes.
- Respiratory protection : Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE). Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals. Care must be taken to assure that any respirator chosen is capable of protecting the user from both ammonia and ethyl alcohol vapors.
- Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 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.

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

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
(Based on available data, the classification criteria are not met)

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

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<b>L-Menthol (2216-51-5)</b>	
LD50 oral rat	3300 mg/kg
ATE CLP (oral)	3300.000 mg/kg bodyweight

<b>Polyethylene glycol (25322-68-3)</b>	
LD50 dermal rabbit	> 20 ml/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8.5
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

<b>Isopropyl alcohol (67-63-0)</b>	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory irritation. May cause drowsiness or dizziness. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.
Symptoms/injuries after skin contact	: Repeated or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Irritating to the gastrointestinal tract. May cause abdominal pain and vomiting (sometimes bloody). Ingestion may cause central nervous system depression, low blood pressure, rapid heart beat and liver damage. Early to moderate central nervous system depression may be evidenced by giddiness, headache, dizziness and nausea. In extreme cases, unconsciousness, respiratory depression and death may occur. Liver damage may be evidenced by loss of appetite, jaundice (yellowish skin color) and sometimes pain in the upper abdomen on the right side.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Isopropyl alcohol (67-63-0)</b>	
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

<b>L-Menthol (2216-51-5)</b>	
LC50 fishes 1	18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

### 12.2. Persistence and degradability

<b>Medicaine® Sting and Bite Relief</b>	
Persistence and degradability	Not established.

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### 12.3. Bioaccumulative potential

#### Medicaine® Sting and Bite Relief

Bioaccumulative potential	Not established.
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#### Isopropyl alcohol (67-63-0)

Log Pow	0.05 (at 25 °C)
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### 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



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DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

### Additional information

Other information : No supplementary information available.

### ADR

Transport document description :

### 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

Listed on SARA Section 313 (Specific toxic chemical listings)

EPA TSCA Regulatory Flag

T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

SARA Section 313 - Emission Reporting

1.0 % (only if manufactured by the strong acid process, no supplier notification)

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

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

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

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

### 15.2. International regulations

#### CANADA

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

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

WHMIS Classification

Class B Division 2 - Flammable Liquid

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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

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

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

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

### EU-Regulations

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

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

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

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

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

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

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

Not classified

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

Not classified

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### 15.2.2. National regulations

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

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

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

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

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

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

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

NFPA health hazard

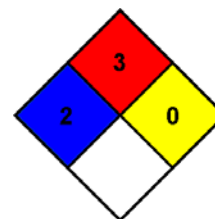
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

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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*This Material Safety Data Sheet is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, the safe handling of chemical materials. James Alexander Corporation (JAC), expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided herein. All information appearing herein is based upon data obtained from the manufacturer(s) and/or recognized technical sources. While the information is believed to be accurate, JAC makes no representations as to its accuracy or sufficiency. Conditions of use are beyond JAC's control and therefore, users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process.*

# MATERIAL SAFETY DATA SHEET

Paramold Manufacturing, LTD  
90 Bourne Boulevard  
Sayville, NY 11782  
Telephone: (631) 589-5454  
Fax: (631) 589-1232  
Web Site: [www.paramold.com](http://www.paramold.com)  
email: [paramold@optonline.net](mailto:paramold@optonline.net)

## SECTION I - IDENTIFICATION

Name: 130 FRP  
Item #: 800-130  
Chemical Name: Clay treated paraffin wax  
Formula: Complex mixture of petroleum hydrocarbons  
Synonyms: Fully refined paraffin wax  
Chemical Family: Paraffin wax  
Transportation Emergency: CHEMTREC 1-800-424-9300 (US & Canada)

## SECTION II - TYPICAL COMPOSITION

Material: Fully refined paraffin wax  
% Weight: 100%  
CAS #: 8002-74-2  
OSHA PEL: None  
Other TWA: None  
ACGIH TLV: None Established  
Chemical Identity: Clay treated paraffin wax  
Emergency Overview: White waxy solid, practically odorless. Will burn in a fire

## SECTION III - POTENTIAL HEALTH EFFECTS

Primary routes of exposure: Skin contact  
Injection: This material is considered to be in the slight to non-toxic category. Low oral toxicity.  
Skin: May be irritating to the skin upon prolonged or repeated contact.  
Eye: Vapors from heated product may cause irritation  
Inhalation: Vapors from heated product may cause irritation of the nose, throat, and lung.

## SECTION IV - FIRST AID

Ingestion: If swallowed, give two glasses of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.  
Skin: Wash affect area thoroughly with waterless cleaner and/or soap and water. If irritation persists, consult a physician.  
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Give oxygen if needed. Seek medical attention.  
Eyes: Flush eyes with large amounts of water for at least 15 minutes, holding eyelids open. Consult a physician if irritation persist.

## SECTION V - FIRE FIGHTING PROCEDURES

Flash Point:	>370 F
Autoignition Temperature:	N/A
Flammability Limits:	N/A
Extinguishing Media:	Carbon dioxide, dry chemical, foam, water fog.
Special Firefighting Procedures:	For small fires involving this product, no special procedures or precautions are necessary. For large fires, such as in any fire, wear self-contained breathing apparatus ( pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear. Keep personnel removed from and upwind fire.

## SECTION VI - ACCIDENTAL RELEASE MATERIALS

Steps to be taken if material is released or spilled:	Clean up spills as soon as possible. If materials in a liquid state, absorb on commercially available material, such as absorbent clay. If material is in a solid state, scoop or shovel into containers for recovery or disposal.
Waste Disposal Method:	Incinerate material at a permitted facility in accordance with current suitable for disposal and bury in an approved landfill according to current local, state and federal regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

## SECTION VII - HANDLING AND STORAGE

Precautions to be taken in Handling & Storage	This material is not hazardous under normal handling and storage conditions. Do not store near high heat or open flames.
Precautions During Use:	Avoid prolonged or repeated skin contact. Skin contact can be minimized by wearing chemically resistant gloves. Good personal hygiene is essential; hands and other exposed areas should be washed thoroughly with soap and after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing will reduce indirect skin contact with this material.

## SECTION VIII - EXPOSURE CONTROLS

Ventilation:	None required under normal operating conditions. The ventilation system employed is dependant on the user's specific application of the material.
Respiratory Protection:	None required under normal operating conditions.
Protective Gloves:	Chemically resistant gloves should be should be worn to minimize skin exposures where prolonged or repeated contact can occur.
Eye Protection:	Wear safety glasses or chemical splash goggles (ANSI Z87.1 or approved equivalent) to reduce the possibility or accidental eye contact.
Other Protective Equipment:	None necessary for normal use.

## SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Boiling Point:	N/A
API Gravity:	36 - 43
Vapor Pressure 20 C/68 F:	Nil
Solubility in water % by weight:	Nil
Melting Point:	125 - 130 F
Viscosity @ 210 F, SUS:	37 - 50
Specific Gravity:	0.81 - 0.835
Physical State:	Solid (at 70 F)
Vapor Density	N/A
Percent Volitiles by Weight:	N/A
Evaporation Rate:	N/A
Appearance and Odor:	Hard white wax, nearly odorless

## SECTION X - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	High temperatures and open flame.
Incompatibility	
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Combustion or	
Decomposition Materials:	Oxides of Carbon and Nitrogen.
Hazardous Polymerization:	Will not occur.

## SECTION XI - REGULATORY INFORMATION

Workplace Classifications:	This product is considered non-hazardous under the OSHA Hazard Communication Standard. This product is not a controlled product under the Canadian Workplace Hazardous Materials Information Systems (WHMIS).
Transportation Classifications:	US Department of Transportation (DOT) Hazard Class - Nonregulated
Emergency planning and	SARA Title III Section 311.312 Categorizations (40 CFR 370)
Community Right-to Know:	This product not a hazardous chemical under 29 CFR 1910.1200, and therefore is no covered by SARA Title III of SARA
Toxic Substance Control Act:	CAS Number 8002-74-2 This product is listed on the TSCA inventory.
Comprehensive Environmental Response, Compensation & Liability Act (40 CFR 302.4):	Releases of this material to air, land or water are not reportable to the National Response Center under CERCLA/Superfund or to state and local emergency planning committees under the Superfund Amendments Reauthorization Act (SARA) Title III Section 304.
Resource Conservation & Recovery Act:	When this product becomes a waste, it is classified as a nonhazardous waste under the criteria of RCRA (40 CFR 261)