



## **SAFETY DATA SHEET**

*EFFECTIVE DATE: 8/25/2017*

**ITEM:** Alert/Locate Plus Signaling Kit  
With First Aid

**PART #**

549

**UPC**

077403105496

**CONTENTS:**

Marine Hand Held Red Flare (HHRF) SDS  
12GA Long Shell (HP) Marine Red Aerial Signal SDS  
Handheld Orange Smoke Signal (HHOS) SDS  
Alcohol Prep / Swab SDS  
Antiseptic Towelette SDS  
First Aid Burn Cream SDS  
Sting and Bite Pad SDS

**SHIPPING INFORMATION**

UN0353, Articles, Explosive, n.o.s., 1.4G (ERG 114)  
(contains strontium nitrate and magnesium)  
EX2004110274

# SAFETY DATA SHEET

## 1. Product and Company Identification

### Marine Hand Held Red Flare (HHRF)

Identified Use: Emergency signal                      Use Advised Against: Do not use indoors or inside of a vehicle

Manufacturers Information    Orion Safety Products  
 3157 North 500 West  
 Peru, IN 46970  
 US 1-800-851-5260  
 Intl (11) 1-765-472-4375

**EMERGENCY**

**CHEMTREC**  
 1-800-424-9300

## 2. Hazards Identification

### GHS Classifications

Explosive	Category 1.4	H204
Skin Irritation	Category 2	H315
Eye Irritation	Category 2A	H319
STOT - Repeated Exposure	Category 3	H335

**Perchlorate Material – special handling may apply,  
 See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).**

### GHS Label Elements

#### Pictograms



#### Hazard Statements

H204	Fire or projection hazard
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Signal Word                      **Warning**

#### Precautionary Statements

P103	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P232	Protect from moisture
P261	Avoid breathing dust/fume
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

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.
P501	Dispose of contents / container in accordance with local and national regulations

Hazards Not Otherwise Classified (HNOC): produces hot flame

## 3. Composition / Information on Ingredients

Component	CAS #	EINCS #	%age
Strontium Nitrate	10042-76-9	233-131-9	>50%
Sulfur	7704-34-9	231-722-6	<25%
Potassium Perchlorate	7778-74-7	231-912-9	<20%
Polyethylene	9002-88-4	none	<5%
Potassium Chlorate	3811-04-9	231-100-4	<5%

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

## 4. First Aid Measures

### Description of first aid measures

Inhalation	If contents are inhaled, remove to fresh air. Watch for signs of allergic reaction. If other symptoms develop, get medical aid immediately.
Skin	If contents are contacted, wash with area with soap and water for 15 minutes. Remove contaminated clothing and wash before reuse. Get medical aid if irritation occurs.
Eyes	If contents get into eye, flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses if easily possible. Get medical aid immediately.
Ingestion	Get medical aid immediately.

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

Indication of any immediate medical attention and special treatment needed                      No data available

## 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>	Flame and sparks are ejected out the open end of the flare when it functions. Do not point flare at any part of the body or flammable material.		
<b>Further information</b>	No data available		

## 6. Accidental Release Measures

### Personal Precautions / Protective Equipment / Emergency Procedures

Do not breathe smoke or 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 when cleaning up contents. 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 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. When cleaning up contents, use local and/or general exhaust. Clean up avoiding dust generation and place in a well identified container. Do not absorb in sawdust or other combustible absorbents. Wash away remainder with plenty of water. Collect wash water for approved disposal.

## 7. Handling and Storage

### Precautions for Safe Handling

Hold and point signal away from body when igniting. Hold signal downwind when burning. Avoid breathing smoke. Avoid contact with clothing and other combustible materials. Use outdoors only! Do not ignite or burn product inside a vehicle, boat cabin or building. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with skin and eyes. Avoid contact with heat sparks, and flame. Signals should be allowed to burn to completion. Unburned and partially burned signals contain potassium perchlorate which should not be allowed to come into contact with surface and ground water. Perchlorate Material – special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

### Conditions for Safe Storage, Including Any Incompatibilities

Store in a dry place away from direct sunlight, heat and incompatible materials. 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 signals in a vehicle, boat, closed container, warehouse, or any other building..

## 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 Perchlorate	Nuisance dust 15 mg/m <sup>3</sup>	Nuisance dust 15 mg/m <sup>3</sup>
Polyethylene	15 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Potassium Chlorate	Not established	Not established

### Exposure controls

<b>Engineering Controls</b>	Use product outdoors only! When cleaning up contents, use local and/or general exhaust.
<b>Personal Protective Equipment</b>	
<b>Eye / Face Protection</b>	Safety glasses or goggles
<b>Skin Protection</b>	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
<b>Respiratory Protection</b>	None under normal conditions when using product. A particulate respirator (NIOSH t N95 or better filters) may be worn during the cleanup of spilled contents.
<b>General Hygiene</b>	Use product outdoors away from combustible products. For cleanup of spilled contents, emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous materials. Maintain good housekeeping and safety practices.

## 9. Physical and Chemical Properties

<b>Appearance (color, physical form, shape):</b>	Grey powder		
<b>pH:</b>	No data available	<b>Melting Point:</b>	No data available
<b>Boiling Point / Range:</b>	Not applicable	<b>Freezing Point:</b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable	<b>Specific Gravity</b>	Not applicable
<b>Odor:</b>	No data available	<b>Odor Threshold:</b>	No data available
<b>Flammability:</b>	No data available	<b>Flammability Limits:</b>	No data available
<b>Partition Coefficient:</b>	No data available	<b>Viscosity:</b>	No data available
<b>Auto Ignition Temperature:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
		<b>Solubility:</b>	No data available
		<b>Evaporation Rate:</b>	Not applicable
		<b>Vapor Density:</b>	Not applicable
		<b>Flash Point:</b>	Not available
		<b>Relative Density:</b>	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	Incompatible Materials		Hazardous Decomposition Products		
Combustible materials, heat, flames, sparks and other sources of ignition. Moisture.	Strong acids, strong fuels, ammonia salts, and strong bases.		Carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.		

### 11. Toxicology Information

#### Ingredient acute toxicity information

Toxicology	Oral LD50	skin LD50	LC50
Strontium Nitrate	Rat: 1892 mg/kg	not stated	not stated
Sulfur	Rat: 5050 mg/kg	Rat:>2020 mg/kg	Rat:>5.49 mg/L air concentration
Potassium Perchlorate	Rat: 2100 mg/kg	not stated	not stated
Polyethylene	Rat: 4000 mg/kg	not stated	not stated
Potassium Chlorate	Rat: 1870 mg/kg	2000 mg/kg (Rabbit)	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 skin irritant</i>
Serious Eye Damage / Irritation	Category 2A – <i>over 10% of ingredients classified as a Category 2A eye irritant</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	Not classified (Based on available data, the classification criteria are not met)
STOT – repeated exposure	Category 3 – respiratory <i>over 10% of ingredients classified as a Category 3 respiratory STOT hazard</i>
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>Potassium Chlorate</u> : fish: LC50 <i>oncorhynchus mykiss</i> (rainbow trout) 1750 mg/l – 96 hr, EC50 <i>daphnia magna</i> (water flea) 1093 mg/l 24 hr <u>Strontium Nitrate</u> : Acute toxicity - Fishes, <i>Carassius auratus</i> , LC100, 9,615 mg/l; Chronic toxicity - Fishes, <i>Gasterosteus aculeatus</i> , LC100, 2,912 mg/l <u>Sulfur</u> : Toxicity to fish LC50 - <i>Oncorhynchus mykiss</i> (rainbow trout) - > 180 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates: EC50 - <i>Daphnia magna</i> (Water flea) – > 5,000 mg/l - 48 h
Persistence / Degradability	No information found
Bioaccumulation / Accumulation	No information found
Mobility in Environmental Media	<u>Strontium Nitrate</u> : Water considerable solubility and mobility; Soil/sediments non-significant adsorption.
Other adverse effects	No information found

### 13. Disposal Considerations (for spills and leakage)

Dispose of contaminated product and materials used in cleaning up spills or leaks in the manner approved for pyrotechnic material. Consult appropriate federal, state, and local regulatory agencies to ascertain proper disposal procedures. Open burning is preferred method of disposal for pyrotechnic materials. Refer to California Code of Regulations, Title 33, Sections 67384.1-67384.10 for additional information on handling and disposal of potassium perchlorate containing materials.

### 14. Transportation Information

	ID Number	shipping name	hazard class	packing group	EX Number	Reportable Quantities
Domestic & International	UN0373	Signal Devices, Hand	1.4S	n/a	EX1986040106	none
Marine Pollutant:	no	Special precautions for user: 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	yes	no	yes	no	no	yes	no
Sulfur	yes	no	no	no	no	no	yes	no	yes	no	no
Potassium Perchlorate	yes	no	no	no	no	no	yes	no	no	yes	no
Polyethylene	yes	no	no	no	no	no	no	no	no	no	no
Potassium Chlorate	yes	no	no	no	no	no	yes	no	no	yes	no



US States	Prop 65	NJ	PA	Canada	WHMIS	DSL	Europe	wgk
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 C Oxidizing materials	yes		1 / nwg
Potassium Perchlorate	no	1577	yes		D1B Toxic materials	yes		1
Polyethylene	no	no	no		Not controlled	yes		not listed
Potassium Chlorate	no	1560	yes		C Oxidizing materials D1B Toxic materials	yes		2

## 16. Other Information

Revision Information: May 2015

NFPA Rating		HMIS Rating	
Flammability	2	Flammability	1
Health	2	Health	3
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  
 NTP: National Toxicology Program  
 IARC: International Agency for Research on Cancer

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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## SAFETY DATA SHEET

### 1. Product and Company Identification

#### 12 Ga HP (High Performance) Red Aerial Signal

Identified Use: Emergency distress signal      Use Advised Against: Do not use indoors or inside a vehicle

Manufacturers Information      Orion Safety Products  
3157 North 500 West  
Peru, IN 46970  
US 1-800-851-5260  
Intl (11) 1-765-472-4375

**EMERGENCY**

**CHEMTREC**  
1-800-424-9300

### 2. Hazards Identification

#### GHS Classifications

Explosive	Category 1.4	H204
Skin Irritation	Category 2	H315
Eye Damage / Irritation	Category 1	H318
Carcinogenicity	Category 2	H351
STOT - Single Exposure	Category 3	H335

#### GHS Label Elements

##### Pictograms



##### Hazard Statements

H204	Fire or projection hazard
H315	Causes skin irritation
H318	Causes serious eye damage
H351	Suspected of causing cancer
H335	May cause respiratory irritation

Signal Word      **Danger**

##### Precautionary Statements

P103	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P232	Protect from moisture
P261	Avoid breathing dust/fume
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

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.
P370	In case of fire: use water deluge

Hazards Not Otherwise Classified (HNOC): none

### 3. Composition / Information on Ingredients

Component	CAS #	EINCS #	%age
Polypropylene	9003-07-0	polymer	<60%
Glass Fibers	65997-17-3	266-046-0	<20%
Strontium Nitrate	10042-76-9	233-131-9	<10%
Magnesium	7439-95-4	231-104-6	<10%
Olefinic Thermoplastic Rubber	mixture	mixture	<10%
Strontium Peroxide	1314-18-7	215-224-6	<10%
Aluminum	7429-90-5	231-072-3	<5%
PVC	9002-86-2	none	<5%
Black Powder	mixture	none	<5%
Iron	1309-37-1	231-096-4	<5%
Copper	7440-50-8	231-159-6	<3%

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

### 4. First Aid Measures

#### Description of first aid measures

Inhalation	If contents are inhaled, remove to fresh air. Watch for signs of allergic reaction. If other symptoms develop, get medical aid immediately.
Skin	If contents are contacted, wash with area with soap and water for 15 minutes. Remove contaminated clothing and wash before reuse. Get medical aid if irritation occurs.
Eyes	If contents get into eye, flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses if easily possible. Get medical aid immediately.



Ingestion Get medical aid immediately.  
 Most important symptoms and effects both acute and delayed See section 2 labeling and section 11  
 Indication of any immediate medical attention and special treatment needed No data available

**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>	Only use outdoors. Use copious amounts of water to extinguish fire. Using small quantities of water on contents / broken shells can cause auto / re-ignition as contents contain magnesium. Use of water on a magnesium fire will generate hydrogen gas that may cause an explosion. Irritating fumes. Flaming projectiles may be ejected during a fire. Trace amounts of lead vapor may be produced (from ignition primer) in a fire situation		
<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. Be very careful - magnesium powder may spontaneously ignite in presence of moisture. Magnesium powder reacts with water, producing flammable hydrogen gas.

**7. Handling and Storage**

**Precautions for Safe Handling**  
 Use product only in designated launcher – do not attempt to use in 12 gauge shotgun. Point launcher away from body, other people, animals or combustible products when firing. Wear appropriate eye protection during use. Turn face from launcher when firing. Follow instructions on package. Avoid contact with clothing and other combustible materials. Use outdoors only! Do not ignite or launch product inside a vehicle or building. Avoid ingestion of contents and inhalation of smoke. Wash thoroughly after handling. Avoid contact with heat sparks, and flame. Do not disassemble signal.  
**Conditions for Safe Storage, Including Any Incompatibilities**  
 Store away from moisture, 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.

**8. Exposure Controls / Personal Protection**

Control parameters			
Exposure Limits	OSHA PEL	ACGIH TLV	
Polypropylene	Not Established	Not Established	
Glass Fibers	15 mg/m <sup>3</sup> (as total nuisance dust); 5 mg/m <sup>3</sup> (as respirable nuisance dust)	1 f/cc TWA (respirable fibers, length >5 µm, aspect ratio >=3:1)	
Strontium Nitrate	Not Established	Not Established	
Magnesium	Not Established	Not Established	
Olefinic Thermoplastic Rubber	Not Established	Not Established	
Strontium Peroxide	Nuisance dust 15 mg/m <sup>3</sup> .	Nuisance dust 15 mg/m <sup>3</sup> .	
Aluminum	TWA: 15 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	
Polyvinyl Chloride	5mg/ml for the respirable portion and 15mg/ml for total dust.	5 and 10mg/ml, respectively	
Black Powder	Not Established	Not Established	
Iron	TWA 10 mg/m <sup>3</sup>	Not Established	
Copper	0.1 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dusts and mists)	0.2 mg/m <sup>3</sup> (fume), 1 mg/m <sup>3</sup> (dusts and mists)	
<b>Exposure controls</b>			
<b>Engineering Controls</b>	Use product outdoors only! When cleaning up contents, use local and/or general exhaust.		
<b>Personal Protective Equipment</b>			
<b>Eye / Face Protection</b>	Turn face from launcher when firing. Wear safety glasses or goggles during use and when cleaning up spilled contents.		
<b>Skin Protection</b>	None under normal conditions when using product unless prolonged handling is anticipated. When cleaning up spilled contents, wear impervious protective clothing, including gloves, boots, and a lab coat, apron or coveralls, as appropriate. Wash hands and face before eating, drinking or using tobacco products.		
<b>Respiratory Protection</b>	None under normal conditions when using product. A particulate respirator (NIOSH t N95 or better filters) may be worn during the cleanup of spilled contents.		
<b>General Hygiene</b>	Use product outdoors away from combustible products. For cleanup of spilled contents, emergency		



showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous materials. Maintain good housekeeping and safety practices. Do not let contents accumulate in storage or work areas. Clean spills up promptly.

9. Physical and Chemical Properties			
Appearance (color, physical form, shape):	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:	No data available	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
Conditions to Avoid	Excessive temperatures, moisture, acids, and ignition sources.	Incompatible Materials	Reducing Agents, Organic Materials, Finely Powdered Metals, Acids, Water, Halogens.
Possibility of Hazardous Reactions		Hazardous Decomposition Products	Hazardous polymerization will not occur Strontium oxides .Carbon monoxide and dioxide. Nitrous oxides, Magnesium hydroxides and oxides.

11. Toxicology Information			
Ingredient acute toxicity information			
Toxicology	Oral LD50	skin LD50	LC50
Polypropylene	Rat: >5000 mg/kg	not available	not available
Glass Fibers	not available	not available	not available
Strontium Nitrate	Rat 2750 mg/kg	Not available	Not available
Magnesium	Rat: 230 mg/kg	Not available	Not available
Olefinic Thermoplastic Rubber	non toxic	non toxic	non toxic
Strontium Peroxide	Rat: 980 mg/kg	Not available	Not available
Aluminum	Rat : > 2,000 mg/kg	Rat - 4 h - > 888 mg/l	not available
Polyvinyl Chloride	Rat: >5000 mg/kg	Not available	Not available
Black Powder	Rat: 5000 mg/kg	Not available	Not available
Iron	Rat: 30000 mg/kg	Not available	Not available
Copper	Rat: 5800 mg/kg	Not available	Not available
Product toxicological information			
Acute Toxicity	Not classified – Acute Toxicity Estimate yields oral LD <sub>50</sub> over 5000 mg/kg bw 17% unknown		
Skin Irritation / Corrosion	Category 2 – over 0.1% of ingredients classified as a Category 2		
Serious Eye Damage / Irritation	Category 1 – over 0.1% of ingredients classified as a Category 1		
Respiratory / Skin Sensitization	No information found		
Germ Cell Mutagen	No information found		
Carcinogen	Category 2 – over 0.1% of ingredients classified as Category 2 carcinogens		
Reproductive Toxicity	No information found		
STOT – single exposure	Category 3 – respiratory over 20% of ingredients classified as a Category 3 respiratory STOT hazard		
STOT – repeated exposure	No information found		
Aspiration Hazard	No information found		
Likely routes of exposure	Skin, ingestion, inhalation		
Symptoms related to the physical, chemical and toxicological characteristics	Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Ingestion of contents may cause gastrointestinal irritation with nausea, vomiting and diarrhea. Inhalation will cause irritation to the lungs and mucus membrane.		
Delayed and immediate effects and chronic effects from short and long term exposure	Absorption of strontium peroxide into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer. 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> : Acute toxicity - Fishes, <i>Carassius auratus</i> , LC100, 9,615 mg/l; Chronic toxicity - Fishes, <i>Gasterosteus aculeatus</i> , LC100, 2,912 mg/l <u>Magnesium</u> : LC50 1355 mg/l fish
Persistence / Degradability	No information found
Bioaccumulation / Accumulation	No information found
Mobility in Environmental Media	<u>Strontium Nitrate</u> : Water.: considerable solubility and mobility; Soil/sediments non-significant adsorption
Other adverse effects	No information found





### 13. Disposal Considerations (for spills and leakage)

Dispose of contaminated product and materials used in cleaning up spills or leaks in the manner approved for pyrotechnic material. Consult appropriate federal, state, and local regulatory agencies to ascertain proper disposal procedures. Open burning is preferred method of disposal for pyrotechnic materials..

### 14. Transportation Information

	ID Number	shipping name	hazard class	packing group	EX Number	Reportable Quantities
Domestic & International	UN0403	Flares, Aerial	1.4G	n/a	EX2004110275	none
Marine Pollutant:	no					
	Special precautions for user: No information available					

### 15. Regulatory Information

US Regulations	TSCA	CERCLA	CWA	CAA	SARA 313	SARA 302	Acute	Chronic	Fire	Reactivity	Pressure
Polypropylene	yes	no	no	no	no	no	no	no	no	no	no
Glass Fibers	yes	no	no	no	no	no	yes	yes	no	no	no
Strontium Nitrate	yes	no	no	no	yes	no	yes	no	no	yes	no
Magnesium	yes	no	no	no	no	no	no	no	yes	yes	no
Olefinic Thermoplastic Rubber	yes	no	no	no	no	no	no	no	no	no	no
Strontium Peroxide	yes	no	no	no	no	no	yes	no	yes	yes	no
Aluminum	yes	no	no	no	yes	no	no	no	no	no	no
Polyvinyl Chloride	yes	no	no	no	no	no	yes	no	no	no	no
Black Powder	yes	no	no	no	no	no	yes	yes	yes	yes	yes
Iron	yes	no	no	no	no	no	no	no	yes	no	no
Copper	yes	yes	yes	no	yes	no	yes	no	yes	no	no

US States	Prop 65	NJ	PA	Canada	WHMIS	DSL	Europe	wgk
Polypropylene	no	yes	yes		Not controlled	yes		not listed
Glass Fibers	yes	yes	yes		Class D2A – Very toxic material C Oxidizing materials	yes		not listed
Strontium Nitrate	no	yes	no		D1B Toxic materials D2B Toxic materials B6 Reactive flammable material;	yes		2
Magnesium	no	yes	yes		B4 Flammable solid; F Dangerously reactive material	yes		nwg
Olefinic Thermoplastic Rubber	no	no	no		No information found	unknown		not listed
Strontium Peroxide	no	yes	no		C oxidizing material	yes		not listed
Aluminum	no	yes	yes		Not controlled	yes		nwg
Polyvinyl Chloride	no	yes	no		Not controlled D-2B: Material	yes		not listed
Black Powder	yes	yes	no		causing other toxic effects	yes		nwg
Iron	no	yes	yes		B4 flammable solid	yes		nwg
Copper	no	yes	yes		B4 Flammable solid D2B Toxic materials	yes		nwg

### 16. Other Information

Revision Information: June 2015

	NFPA Rating	HMIS Rating
Flammability	2	Flammability 1
Health	2	Health 3
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  
 NTP: National Toxicology Program  
 IARC: International Agency for Research on Cancer

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

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# SAFETY DATA SHEET

## 1. Product and Company Identification

Marine Hand Held Orange Smoke Signal (HHOS)

Synonyms: SAR Orange Smoke Signal

Identified Use: Emergency signal                      Use Advised Against: Do not use indoors or inside of a vehicle

Manufacturers Information    Orion Safety Products  
 3157 North 500 West  
 Peru, IN 46970  
 US 1-800-851-5260  
 Intl (11) 1-765-472-4375

**EMERGENCY**

**CHEMTREC**  
 1-800-424-9300

## 2. Hazards Identification

### GHS Classifications

Explosive	Category 1.4	H204
Skin Irritation	Category 2	H315
Eye Irritation	Category 2A	H319
Skin Sensitization	Category 1	H317
STOT - Repeated Exposure	Category 1	H372

**Perchlorate Material – special handling may apply.**  
 See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

### GHS Label Elements

#### Pictograms



#### Hazard Statements

H204	Fire or projection hazard
H315	Causes skin irritation
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H372	Causes damage to lungs through prolonged or repeated exposure

Signal Word            **Danger**

#### Precautionary Statements

P103	Keep out of reach of children	P301/315	IF SWALLOWED: Get immediate medical advice /attention.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.	P302/352	IF ON SKIN: Wash with plenty of soap and water.
P232	Protect from moisture	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.
P261	Avoid breathing dust/fume	P305/338/351	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P264	Wash hands thoroughly after handling.	P333/313	If skin irritation or rash occurs, get medical advice/attention.
P270	Do not eat, drink or smoke when using this product.	P501	Dispose of contents / container in accordance with local and national regulations
P271	Use only outdoors or in a well-ventilated area.		
P280	Wear protective eye protection		
P370	In case of fire: use water deluge		

Hazards Not Otherwise Classified (HNOC): produces hot flame and copious amount of smoke

## 3. Composition / Information on Ingredients

Component	CAS #	EINCS #	%age
Solvent Yellow Dye	842-07-9	212-668-2	<40%
Lactose	63-42-3	none	<40%
Potassium Chlorate	3811-04-9	231-100-4	<25%
Solvent Orange 7 Dye	3118-97-6	221-490-4	<20%
Potassium Perchlorate	7778-74-7	231-912-9	<0.5%

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

## 4. First Aid Measures

### Description of first aid measures

Inhalation	If contents are inhaled, remove to fresh air. Watch for signs of allergic reaction. If other symptoms develop, get medical aid immediately.
Skin	If contents are contacted, wash with area with soap and water for 15 minutes. Remove contaminated clothing and wash before reuse. Get medical aid if irritation occurs.
Eyes	If contents get into eye, flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses if easily possible. Get medical aid immediately.
Ingestion	Get medical aid immediately.

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



Indication of any immediate medical attention and special treatment needed No data available

### 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>	Only use outdoors. Contents / dust may form explosive mixtures. Flame and copious amounts of smoke are ejected out the open end of the signal when it functions. Do not point signal at any part of the body or flammable material.		
<b>Further information</b>	No data available		

### 6. Accidental Release Measures

#### Personal Precautions / Protective Equipment / Emergency Procedures

Do not breathe smoke or 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 when cleaning up contents. Avoid friction on the released product. Keep away from ignition sources. Contains strong dyes which will color all exposed areas..

#### 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 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. When cleaning up contents, use local and/or general exhaust. Clean up avoiding dust generation and place in a well identified container. Do not absorb in sawdust or other combustible absorbents. Mop up exposed area with bleach to destroy color. Wash away remainder with plenty of water. Collect wash water for approved disposal.

### 7. Handling and Storage

<b>Precautions for Safe Handling</b>	Hold and point signal away from body when igniting. Hold signal downwind when burning. Avoid breathing smoke. Avoid contact with clothing and other combustible materials. Use outdoors only! Do not ignite or burn product inside a vehicle, boat cabin or building. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with skin and eyes. Avoid contact with heat sparks, and flame. Contains strong dyes which will color all exposed areas. Signals should be allowed to burn to completion. Unburned and partially burned signals should not be allowed to come into contact with surface and ground water. Refer to California Code of Regulations, Title 33, Sections 67384.1-67384.10 for additional information on handling and disposal of potassium perchlorate containing materials
<b>Conditions for Safe Storage, Including Any Incompatibilities</b>	Store in a dry place away from direct sunlight, heat and incompatible materials. 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 signals in a vehicle, boat, closed container, warehouse, or any other building..

### 8. Exposure Controls / Personal Protection

#### Control parameters

Exposure Limits	OSHA PEL	ACGIH TLV
Solvent Yellow Dye	No information found	None
Lactose	Nuisance particulate, 15 mg/m <sup>3</sup> of total dust	Nuisance particulate 10 mg/m <sup>3</sup> of total dust
Potassium Chlorate	No Airborne Exposure Limits established	No Airborne Exposure Limits established
Solvent Orange 7 Dye	No information found	No information found
Shellac	1000 ppm	1000 ppm
Potassium Perchlorate	Nuisance dust 15 mg/m <sup>3</sup> .	Nuisance dust 15 mg/m <sup>3</sup> .

#### Exposure controls

<b>Engineering Controls</b>	Use product outdoors only! When cleaning up contents, use local and/or general exhaust.
<b>Personal Protective Equipment</b>	
<b>Eye / Face Protection</b>	Safety glasses or goggles
<b>Skin Protection</b>	None under normal conditions when using product unless prolonged handling is anticipated. Contains strong dyes which will color all exposed areas. When cleaning up spilled contents, wear full length impervious protective clothing, including gloves, boots, and a lab coat, apron or coveralls, as appropriate. Wash hands and face before eating, drinking or using tobacco products
<b>Respiratory Protection</b>	None under normal conditions when using product. A particulate respirator (NIOSH t N95 or better filters) may be worn during the cleanup of spilled contents.
<b>General Hygiene</b>	Use product outdoors away from combustible products. For cleanup of spilled contents, emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous materials. Maintain good housekeeping and safety practices. Do not let contents accumulate in storage or work areas. Clean spills up promptly.

## 9. Physical and Chemical Properties

Appearance (color, physical form, shape):	Orange powder		
pH:	No data available	Melting Point:	No data 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:	>167°F	Decomposition Temperature:	No data available
Solubility:	No data 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	Excessive temperatures, moisture, water, acids, and ignition sources	Incompatible Materials	Strong oxidizers, strong acids, oxidizing or reducing agents. Liquid acids of any kind. Hydrogen Fluoride, Ammonia Salts.	Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen oxides,

## 11. Toxicology Information

### Ingredient acute toxicity information

Toxicology	Oral LD50	skin LD50	LC50
Solvent Yellow Dye	Rat: 5000 mg/kg	No information found	No information found
Lactose	Rat: 10000 mg/kg	No information found	No information found
Potassium Chlorate	Rat: 1870 mg/kg	2000 mg/kg ( Rabbit )	No information found
Solvent Orange 7 Dye	Rat: 5000 mg/kg	No information found	No information found
Shellac	Rat: 5000 mg/kg	No information found	No information found
Potassium Perchlorate	Rat: 2100 mg/kg	No information found	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 skin irritant</i>
Serious Eye Damage / Irritation	Category 2A – <i>over 10% of ingredients classified as a Category 2A eye irritant</i>
Respiratory / Skin Sensitization	Category 1 Skin – <i>over 0.1% of ingredients are classified as a Category 1 skin sensitizer</i>
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	Not classified (Based on available data, the classification criteria are not met)
STOT – repeated exposure	Category 1 – <i>lungs over 1% of ingredients classified as a Category 1 STOT hazard</i>
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	Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Ingestion of contents may cause gastrointestinal irritation with nausea, vomiting and diarrhea. Inhalation will cause irritation to the lungs and mucus membrane.
Delayed and immediate effects and chronic effects from short and long term exposure	Both the solvent yellow and orange dyes may cause dermatitis in sensitive individuals.
Interactive effects	No information found

## 12. Ecological Information

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

Aquatic Toxicity	<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>
Persistence / Degradability	No information found
Bioaccumulation / Accumulation	No information found
Mobility in Environmental Media	No information found
Other adverse effects	No information found

## 13. Disposal Considerations (for spills and leakage)

Dispose of contaminated product and materials used in cleaning up spills or leaks in the manner approved for pyrotechnic material. Consult appropriate federal, state, and local regulatory agencies to ascertain proper disposal procedures. Open burning is preferred method of disposal for pyrotechnic materials. Refer to California Code of Regulations, Title 33, Sections 67384.1-67384.10 for additional information on handling and disposal of potassium perchlorate containing materials

## 14. Transportation Information

	ID Number	shipping name	hazard class	packing group	EX Number	Reportable Quantities
Domestic & International	UN0373	Signal Devices, Hand	1.4S	n/a	EX1997080126	none
Marine Pollutant:	no	Special precautions for user:	No information available			

15. Regulatory Information												
US Regulations	TSCA	CERCLA	CWA	CAA	SARA 313	SARA 302	Acute	Chronic	Fire	Reactivity	Pressure	
Solvent Yellow Dye	yes	no	no	no	yes	no	yes	yes	no	no	no	
Lactose	yes	no	no	no	no	no	no	no	no	no	no	
Potassium Chlorate	yes	no	no	no	no	no	yes	no	no	yes	no	
Solvent Orange 7 Dye	yes	no	no	no	yes	no	no	yes	no	no	no	
Shellac	yes	no	no	no	no	no	no	no	no	no	no	
Potassium Perchlorate	yes	no	no	no	no	no	yes	no	no	yes	no	
US States	Prop 65	NJ	PA	Canada	WHMIS	DSL	Europe	wgk				
Solvent Yellow Dye	yes	0509	yes		D2A Very toxic materials D2B Toxic materials	yes		not listed				
Lactose	no	no	no		Non controlled	yes		not listed				
Potassium Chlorate	no	1560	yes		C Oxidizing materials D1B Toxic materials	yes		2				
Solvent Orange 7 Dye	no	0506	yes		D2B Toxic materials	yes		3				
Shellac	no	0844	yes		B2 - D2B Toxic materials	yes		0				
Potassium Perchlorate	no	1577	yes		C Oxidizing materials D1B Toxic materials	yes		1				

16. Other Information				
Revision Information: May 2015				
NFPA Rating		HMIS Rating		
Flammability	2	Flammability	1	
Health	2	Health	3	
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  
 NTP: National Toxicology Program  
 IARC: International Agency for Research on Cancer

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TSCA: toxic substance control act - US  
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 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



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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

<b>Emergency Overview</b>	Contact with liquid may cause eye and skin irritation
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, skin contact, skin absorption, Inhalation, Ingestion.
<b>Eyes</b>	May cause irritation.
<b>Skin</b>	In case of skin irritation, discontinue use of the product.
<b>Inhalation</b>	Not a normal route of exposure. May cause respiratory tract irritation.
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.



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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

<b>Eye</b>	May cause irritation
<b>Skin</b>	In case of skin irritation, discontinue use of the product.
<b>Inhalation</b>	Not a normal route of exposure. May cause respiratory tract irritation.
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Chronic Effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Carcinogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Reproductive Effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.

## SECTION 12. Ecological information

**Ecotoxicity** Not available

**Environmental effects** Not available

**Aquatic toxicity** Not available

**Persistence / degradability** Not available

**Bioaccumulation / accumulation** Not available



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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**

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**MATERIAL SAFETY DATA SHEET**

<b>First Aid Burn Cream</b>	MSDS No.:	007
	Revision No.:	5
	Effective Date:	12/27/2010

<b>PRODUCT AND COMPANY INFORMATION - SECTION 1</b>	
<u>Manufacturer/Distributor</u>	Water-Jel Technologies 50 Broad Street Camden, NJ 07072 201-507-8300 800-275-3433
	Product Name: First Aid Burn Cream
	Synonyms: Topical Cream, Bum Cream
	Intended Use: First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes, and burns. For external use only.

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

<b>COMPOSITION INFORMATION - SECTION 2</b>		
In accordance with 29 CFR § 1910.1200(i)(1) the specific chemical identity of this product is being withheld as a trade secret.		
Chemical Name:	Cetyl Alcohol	
Percent:	Proprietary	
CAS Number:	36653-824	
Exposure limits:	None Established	
Chemical Name:	Gennaben II	
Percent:	Proprietary	
CAS Number:	No information available.	
Exposure limits:	None Established	
Chemical Name:	Glycerin	
Percent:	Proprietary	
CAS Number:	56-81-5	
Exposure limits:	ACGIH TWA (Glycerin Mist): Total Dust: 15 mg/m <sup>3</sup> Respirable Fraction: 5 mg/m <sup>3</sup>	OSHA PEL (Glycerin Mist): Total Dust: 10 mg/m <sup>3</sup> Respirable Fraction: 5 mg/m <sup>3</sup>
	Chemical Name:	Glyceryl Monostearate SE (Glyceryl Stearate)
Percent:	Proprietary	
CAS Number:	31566-31-3	
Exposure limits:	TWA (Stearates): 10 mg/m <sup>3</sup>	

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## MATERIAL SAFETY DATA SHEET

<b>FirstAid BurnCream</b>	MSDSNo.:	007
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Chemical Name:	Whrte Mineral Oil
Percent:	Proprietary
CASNumber:	8042-47-5
Exposure limits:	None Estabilshed
ChemicalName:	Peg 100
Percent:	Proorietaiiv
CASNumber:	25322-68-3
Exposure limits:	None Estabilshed
ChemicalName:	Stearic Acid
Percent:	Proprietary
CASNumber:	57-11-4
Exposure limits:	None Estabilshed

<b>HAZARDS IDENTIFICATION - SECTION 3</b>	
EMERGENCYOVERVIEW& HAZARDS PRESENT TO MAN AND THE ENVIRONMENT	May cause irritation to eyes and may cause irritation of the digestive tract when ingested.
PRIMARY ROUTESOF EXPOSURE	Eye contact, Ingestion
<b>POTENTIALHEALTHEFFECTS:</b>	
Eyes:	May cause irritation, characterized by a burning sensation, redness, tearing, inflammation, dryness, and possible other effects.
<b>Skin:</b>	No adverse conditions expected.
Inhalation:	Unlikely routeof exposure.
Inaestion:	May cause irritation of the diaestive tract.
MEDCAL CONDITIONS AGGRAVATED BY EXPOSURE:	No informationavailable.
<b>CHRONIC HEALTH EFFECTS:</b>	
Eyes:	Rush eyes with clearrunning water for a minimum of fifteen (15) minuteswhile holding eyelidsopen; if irritation persists, seek medical attention.
Skin:	No adverse conditions ex= cted.
Inhalation:	Unlikely route of exposure.
Ingestion:	Rinseout mouthand drink lotsof water. In caseof unusual symptoms, seek medical attentionand show physicianthe container details.

**MATERIAL SAFETY DATA SHEET**

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

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

**MATERIAL SAFETY DATA SHEET**

<b>First Aid Burn Cream</b>	MSDS No.:	007
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<b>ACCIDENTAL RELEASE MEASURES- SECTION 6</b>	
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.	

<b>HANDLING &amp; STORAGE- SECTION 7</b>	
Handling:	Keep this and other chemicals out of reach of children.
Storage:	Do not store or mix with strong acids or oxidizers.
Specific uses:	First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes and burns. For external use only.

<b>EXPOSURE CONTROLS/ PERSONAL PROTECTION - SECTION 8</b>		
EXPOSURE CONTROLS: Exposure Limits Values:		
	OSHA PEL:	ACGIH TLV:
Stearates (Glyceryl Stearate)	Not Established	10 mg/m <sup>3</sup>
Glycerin Mist (Glycerin)	Total Dust: 15 mg/m <sup>3</sup>	Total Dust: 10 mg/m <sup>3</sup>
	Respirable Fraction: 5 mg/01 <sup>3</sup>	Respirable Fraction: 5 mg/01 <sup>3</sup>
<b>Engineering Controls:</b> Local Exhaust is recommended.		
<b>PERSONAL PROTECTIVE EQUIPMENT:</b>		
<b>Respiratory Protection:</b> None required under normal conditions.		
<b>Hand Protection:</b> None required under normal conditions.		
<b>Eye/Face Protection:</b> Eye protection as necessary to prevent excessive contact.		
<b>Skin Protection:</b> None required under normal conditions.		
<b>General Hygiene Considerations:</b> Practice safe work habits. Use according to label instructions.		



**MATERIAL SAFETY DATA SHEET**

<b>First Aid Burn Cream</b>	MSDS No:	007
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Other Protective Equipment:  
 Eye wash stations should be nearby and ready for use.

<b>PHYSICAL &amp; CHEMICAL PROPERTIES - SECTION 9</b>	
PRODUCT:	First Aid Burn Cream
General Information:	
Appearance	White homogeneous cream
Odor	Slightly fatty odor
Important Health, Safety, and Environmental Information:	
Boiling Point	135°C 275°F
Melting Point	60°C (140°F)
Rash Point	NI/A
Explosive Properties	No information available.
Oxidizing Properties	No information available.
Specific Gravity /H <sub>2</sub> O = 1	0.81
Water Solubility	Miscible
Partition Coefficient <i>In-octanol/water</i>	No information available.
Viscosity	No information available.
Vapor Pressure (mm Hg)	No information available.
Vapor Density (A <sub>1</sub> = 1)	No information available.
Evaporation Rate	0.07
% Volatile (By Volume, @68°F)	65

<b>STABILITY &amp; REACTIVITY - SECTION 10</b>
<u>Stability:</u> This material is stable under normal conditions.
Conditions to avoid: Extreme heat
Materials to avoid: Strong oxidants Strong Acids
Hazardous <u>Decomposition</u> Products: Carbon Monoxide Carbon Dioxide

**MATERIAL SAFETY DATA SHEET**

<b>First Aid Burn Cream</b>	MSDS No.:	007
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Hazardous Polymerization:  
Will not occur.

<b>TOXICOLOGICAL INFORMATION - SECTION 11</b>				
TYIII of Test	<u>Route of Exposure</u>	Effects	<u>Species Observed</u>	Dose Data
LD <sub>50</sub> - (Cetyl Alcohol)	Oral	Death	Rodent - Rat	5mg/kg
LD <sub>50</sub> - (Glycerin)	Oral	Death	Rodent - Rat	12600mg/kg
LD <sub>50</sub> - (Glyceril Stearate)	Intraperitoneal	Death	Rodent - Mouse	200mg/kg
LD <sub>50</sub> - (Mineral Oil)	Oral	Death	Rodent - Mouse	22grn/l<g
LD <sub>50</sub> - (Stearic Acid)	Intravenous	Death	Rodent - Rat	21500ug/kg

<b>ECOLOGICAL INFORMATION - SECTION 12</b>
<u>Ecotoxicity:</u> No information available.
<u>Mobility:</u> No information available.
<u>Persistence and Degradability:</u> No information available.
<u>Bioaccumulative Potential:</u> No information available.

<b>DISPOSAL CONSIDERATION - SECTION 13</b>
Dispose of in accordance with Local, State, and Federal regulations.

<b>TRANSPORT INFORMATION - SECTION 14</b>	
<i>DOT CLASSIFICATION:</i>	
UN Number:	Not Regulated for Domestic Transport.
Class:	

**MATERIAL SAFETY DATA SHEET**

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Proper Shipping Name:	Not regulated for Domestic Transport.
Packing Group:	
Marine Pollutant:	
Other Information:	

*IATA CLASSIFICATION*

Un Number:	Not Regulated for International Air Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

*IMDG CLASSIFICATION:*

Un Number:	Not Regulated for International Water Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

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

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TECHNOLOGY

# MATERIAL SAFETY DATA SHEET

<b>First Aid Burn Cream</b>	MSDSNo.:	007
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TSCA	Not Listed
<i>STATE REGULATIONS</i>	
MA substance List	Not Listed
NJ RTK Hazardous Substance List	Not Listed
PA Hazardous Substance List	Not Listed
Canadian <b>WHMIS</b>	Not Listed

*To the best of our knowledge the information contained herein is accurate. However, neither Water-Jel Technology, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Responsibility for determination of suitability of any materials 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.*

### 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) :



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<sup>®</sup> 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/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

### 8.2. Exposure controls

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

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



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

Eye protection : Chemical goggles or face shield.

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

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

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

## SECTION 9: Physical and chemical properties

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

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### 12.3. Bioaccumulative potential

Medicaine <sup>®</sup> Sting and Bite Relief	
Bioaccumulative potential	Not established.
Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

### 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.

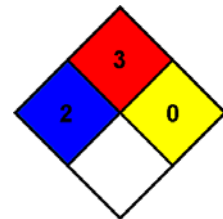
Full text of H-phrases: see section 16:

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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