SAFETY DATA SHEET

EFFECTIVE DATE: 2/8/2016

ITEM: Advanced Signal & Survival Kit

PART # 772

UPC 077403107728

CONTENTS:
- SAR Camp Fire Starter
- Antiseptic Towelette
- Alcohol Prep/Swab
- Sting & Bite Pad
- Safety Matches
- Light Stick (Green)

SHIPPING INFORMATION
- UN1944 Match, Safety
SAFETY DATA SHEET

1. Product and Company Identification

Red Signal Flare - No Perchlorate (NPC) Formulation

Identification:

The NPC flare will have the following symbol on it:

Identification: SAR Campfire Starter #750
Firestarter / Signal Flare
Fire Pit Pro #747

Identified Use: Fire starter, Emergency signal

Manufacturers Information

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

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

2. Hazards Identification

GHS Classifications

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

GHS Label Elements

Pictograms

Signal Word Warning

Precautionary Statements

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

Hazard Statements

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

Hazards Not Otherwise Classified (HNOC): produces hot flame

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>EINCS #</th>
<th>%age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony Nitrate</td>
<td>10042-75-9</td>
<td>233-131-9</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Sulfur</td>
<td>7704-34-9</td>
<td>231-722-6</td>
<td>&lt;25%</td>
</tr>
<tr>
<td>Potassium Nitrate</td>
<td>7757-79-1</td>
<td>231-818-8</td>
<td>&lt;25%</td>
</tr>
<tr>
<td>Paraffinic Oil</td>
<td>64742-54-7</td>
<td>232-384-2</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>7757-79-1</td>
<td>231-100-4</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Waxy sawdust</td>
<td>mixture</td>
<td>none</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Polyvinyl Chloride</td>
<td>9002-86-2</td>
<td>200-33-1</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Shellac</td>
<td>mixture</td>
<td>none</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Charcoal</td>
<td>1333-26-4</td>
<td>251-153-3</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

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

4. First Aid Measures

Description of first aid measures

Inhalation

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

Skin

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

Eyes

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

Ingestion

Get medical aid immediately.

no pc flare Page 1 of 4 5 2015
5. Firefighting Measures

**Extinguishing Media**
Water deluge

**Unsuitable Extinguishing Media**
Foam and dry chemical extinguishers and suffocation are ineffective.

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

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

**Further information**
No data available

6. Accidental Release Measures

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

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

**Methods for Containment and Clean-up**
Use caution when cleaning up spilled product contents. Remove heat, flames, sparks and other sources of ignition. Use non-sparking tools and equipment. Prevent buildup of electrostatic charges by grounding. Clean spills in a manner that does not disperse dust into the air. Do not allow in sewers or other combustible absorbents. Pick up spill for recovery or disposal in an approved container. Wash away remainder with plenty of water. Collect wash water for approved disposal.

7. Handling and Storage

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

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

8. Exposure Controls / Personal Protection

**Control parameters**

**Exposure Limits**
- Strontium Nitrate
- Sulfur
- Potassium Nitrate
- Paraffinic Oil
- Potassium Chlorate
- Waxy sawdust
- Polyvinyl Chloride
- Shellac
- Charcoal

**OSHA PEL**
- Not Established
- Not Established
- Nuissance dust 15 mg/m³
- No Airborne Exposure Limits established
- No known hazardous components above regulatory thresholds in this product.
- Not Established
- Nuissance dust 15 mg/m³

**ACGIH TLV**
- Not Established
- Not Established
- Nuissance dust 15 mg/m³
- TWA 5 mg/m³
- No Airborne Exposure Limits established
- No known hazardous components above regulatory thresholds in this product.
- Not Established
- Nuissance dust 15 mg/m³

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

**Engineering Controls**

**Personal Protective Equipment**

**Eye / Face Protection**
Safety glasses or goggles

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

**Respiratory Protection**
None under normal conditions when using product. A particulate respirator (NIOSH N95 or better filters) may be worn during the cleanup of spilled material.

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

**no pc flare**
9. Physical and Chemical Properties

Appearance (color, physical form, shape): Yellow to grey powder
Melting Point: Not available
Freezing Point: Not available
Specific Gravity: Not applicable
Odor Threshold: No data available
Flammability Limit: No data available
Viscosity: No data available
Decomposition Temperature: No data available

Boiling Point / Range: Not available
Vapor Pressure: Not applicable
Odor: No data available
Flash Point: Not available
Auto Ignition Temperature: 360°F

10. Stability and Reactivity

Stability: Stable
Reactivity: No information available
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.

Chemical Stability Conditions to Avoid: Combustible materials, heat, flames, sparks and other sources of ignition, moisture.
Stable Reactivity: No information available

11. Toxicology Information

Ingredient acute toxicity information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50</th>
<th>skin LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>Rat: 2750 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Sulfur</td>
<td>Rat: 2000 mg/kg</td>
<td>No information found</td>
<td>Rat: 79.23 mg/L 4hr</td>
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<tr>
<td>Potassium Nitrate</td>
<td>Rat: 3750 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Paraffinic Oil</td>
<td>Rat: 2000 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>Rat: 1870 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Waxy sawdust</td>
<td>Rat: &lt;5000 mg/kg</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Polyvinyl Chloride</td>
<td>Not stated</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Shellac</td>
<td>Not stated</td>
<td>No information found</td>
<td>No information found</td>
</tr>
<tr>
<td>Charcoal</td>
<td>Not stated</td>
<td>No information found</td>
<td>No information found</td>
</tr>
</tbody>
</table>

Product toxicological information

Acute Toxicity: Not classified – Acute Toxicity Estimate yields oral LD50 over 5000 mg/kg bw

Skin Irritation / Corrosion: Category 2 – over 10% of ingredients classified as a Category 2

Serious Eye Damage / Irritation: Category 2a – over 10% of ingredients classified as a Category 2a

Respiratory / Skin Sensitization: Not classified (Based on available data, the classification criteria are not met)

Germ Cell Mutagen: Not classified (Based on available data, the classification criteria are not met)

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

Reproductive Toxicity: Category 3 – respiratory over 10% of ingredients classified as a Category 3 respiratory STOT hazard

STOT – single exposure: Not classified (Based on available data, the classification criteria are not met)

STOT – repeated exposure: Not classified (Based on available data, the classification criteria are not met)

Aspiration Hazard: Skin, ingestion, inhalation

Likely routes of exposure: Inhalation of contents or smoke from burning flares may cause irritation to the lungs and mucous membranes. Prolonged or repeated skin contact with contents may cause dermatitis.

Symptoms related to the physical, chemical and toxicological characteristics: Inhalation of contents or smoke from burning flares may cause irritation to the lungs and mucous membranes. Prolonged or repeated skin contact with contents may cause dermatitis.

Delayed and immediate effects and chronic effects from short and long term exposure: Inhalation of contents or smoke from burning flares may cause irritation to the lungs and mucous membranes. Prolonged or repeated skin contact with contents may cause dermatitis.

Interactive effects: Inhalation of contents or smoke from burning flares may cause irritation to the lungs and mucous membranes. Prolonged or repeated skin contact with contents may cause dermatitis.

12. Ecological Information

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

Aquatic Toxicity: Strontium Nitrate: Acute toxicity to fish, Carassius auratus, LC50 9.615 mg/L, Chronic toxicity to fish, Gasterosteus aculeatus, LC50 2.912 mg/L.
Sulfur: Toxicity to fish LC50: Oncorhyncus mykiss (rainbow trout) > 180 mg/L - 96 h Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) > 5.050 mg/L - 48 h
Potassium Chloride: Rat: LC50 oncorhyncus mykiss (rainbow trout) 1720 mg/L - 96 h, EC50 daphnia magna (water flea) 1.93 mg/L 24 hr
Paraffinic Oil: Oil Mist, Minnow, Lepeophtheirus macrachirus (LC50) 96 hour(s) > 100 mg/L oncorhyncus mykiss (LC50) 96 hour(s) > 100 mg/L
Potassium Nitrate: Rat: Gyopus (Poecilia reticula) LC50 186 mg/L (96 h), zooplankton: Daphnia magna LC50 490 mg/L - 48h

Persistence / Degradability: Strontium Nitrate: Soluble in water. Persistence is unlikely based on information available.

Bioaccumulation / Accumulation: No information found
 mobility in Environmental Media: No information found

Other adverse effects: No information found
13. Disposal Considerations

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

14. Transportation Information

<table>
<thead>
<tr>
<th>Description</th>
<th>ID Number</th>
<th>shipping name</th>
<th>hazard class</th>
<th>packing group</th>
<th>EX Number</th>
<th>Reportable Quantities</th>
<th>Shipping method</th>
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<tbody>
<tr>
<td>United States Bulk flares</td>
<td>NA1325</td>
<td>Fusee</td>
<td>4.1</td>
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<td>Ground only</td>
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<tr>
<td>Retail packaged flares</td>
<td>UN3178</td>
<td>ORM-D / Limited Quantity</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>None</td>
<td>Ground only</td>
<td></td>
</tr>
<tr>
<td>International / Air Bulk flares</td>
<td>UN0373</td>
<td>Signal devices, hand</td>
<td>1.4S</td>
<td>II</td>
<td>EX-1992090001</td>
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15. Regulatory Information

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Special precautions for user:</th>
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<tbody>
<tr>
<td>Marine Pollutant:</td>
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16. Other Information

Revision Information: May 2015

<table>
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<tr>
<th>NFPA Rating</th>
<th>HMIS Rating</th>
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<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
</tbody>
</table>

Key / Legend:
- **NFPA:** National Fire Protection Association
- **CERCLA:** Comprehensive Environmental Response, Compensation and Liability Act - US
- **CWA:** Clean Water Act - US
- **SARA:** Superfund Amendments and Reauthorization Act - US
- **TSCA:** Toxic Substances Control Act - US
- **WHMIS:** Workplace Hazardous Materials Information System - Canada
- **DSL:** Domestic Substances List - Canada
- **WIK:** Water Hazard Classes - Germany

Legal Statement:
This information is accurate to the best knowledge Orion Safety Products. Orion Safety Products assumes no representation or warranties, either express or implied, including without limitation any warranties of merchantability or fitness for a particular purpose, with regard to the information set forth herein or the product to which the information relates. Accordingly, Orion Safety Products will not be responsible for damages resulting from use or reliance upon this information. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information for their particular situation.
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: 888-DYNAREX or 845-365-8200
Phone No.: At other times, contact the local Poison Control Center

SECTION 2. Hazards Identification

<table>
<thead>
<tr>
<th>Physical hazards</th>
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<tr>
<td>Health hazards</td>
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<td>• Environmental hazards</td>
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<td>OHSA defined hazards</td>
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<td>Label elements</td>
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<td>• Hazard symbol</td>
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<tr>
<td>• Signal word</td>
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<tr>
<td>• Hazard statement</td>
<td>Not available</td>
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<tr>
<td>• Precautionary statement</td>
<td></td>
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<tr>
<td>• Prevention</td>
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</tr>
<tr>
<td>• Response</td>
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<tr>
<td>• Storage</td>
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<tr>
<td>• Disposal</td>
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<td>Hazard(s) not otherwise classified (HNOC)</td>
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<tr>
<td>Supplemental information</td>
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SECTION 3. Composition/information on Ingredients

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

SECTION 4. First-aid measures

First aid procedures

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

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

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

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

Notes to physician
Symptoms may be delayed.

General advice
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children. Avoid contact with eyes.

Flammable Limits: N/A

Flash Point: N/A
SECTION 5. Fire-fighting measures

Flash Point: Not Available
Flammable Limits: Not Available
Extinguishing Media: Any
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION 6. Accidental release measures

Personal precautions: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up: Pick up and discard towel.

SECTION 7. Handling and storage

Handling: Use good industrial hygiene practices in handling this material.
Storage: Keep out of reach of children. Store in a closed container away from incompatible materials.

SECTION 8. Exposure controls/personal protection

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

SECTION 9. Physical and chemical properties

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

SECTION 10. Stability and reactivity

Chemical Stability: Stable under recommended storage conditions.  
Hazardous Decomposition Products: May include and are not limited to: oxides of carbon; hydrogen chloride.  
Hazardous Polymerization: Will not occur.  
Conditions to avoid: Do not mix with other chemicals.

SECTION 11. Toxicological information

Effects of acute exposure

Eye: May cause irritation
Skin

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

Inhalation

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

Ingestion

Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

Sensitization
Chronic Effects
Carcinogenicity
Mutagenicity
Reproductive Effects
Teratogenicity

SECTION 12. Ecological information

Ecotoxicity Not available
Environmental effects Not available
Aquatic toxicity Not available
Persistence / degradability Not available
Bioaccumulation / accumulation Not available
Partition coefficient Not available
Mobility in environmental media Not available
Chemical fate information Not available
Other adverse effects Not available

SECTION 13. Disposal considerations

Waste codes: Not available
Disposal instructions: Discard after single use.

Review federal, state/provincial, and local government requirements prior to disposal.

Discard with solid waste. Dispose in accordance with all applicable regulations.

Waste from residues / unused products: Not available

Contaminated packaging: Not available

SECTION 14. Transport information

U.S. Department of Transportation (DOT) Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada) Not regulated as dangerous goods.

SECTION 15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US Federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

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

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

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No
Section 311 hazardous chemical No
Clean Air Act (CAA) Not available
Clean Water Act (CWA) Not available
Safe Drinking Water Act (SDWA) Not available
Drug Enforcement Agency (DEA) Not available
Food and Drug Administration (FDA) Not available

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

SECTION 16. Other information
Disclaimer:
This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all data, instructions, recommendations and/or suggestions are made without guarantee. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.
SAFETY DATA SHEET

SECTION 1. Product and Company Identification

PRODUCT NAME: Alcohol Preparation Pads/Swab
RECOMMENDED USE: Topical skin antiseptic
Product Code: AM-20200, 1113, 1114, 1116, PK-1114
Manufacturer's Name: Dynarex Corporation
Manufacturer's Address: 10 Glenshaw Street
Orangeburg, NY 10962
Emergency or Information Phone No.: 888-DYNAREX or 845-365-8200
At other times, contact the local Poison Control Center

SECTION 2. Hazards Identification

Main Hazards:
Highly flammable; irritation to eyes; vapor may cause drowsiness and dizziness

Absorption:
Eye contact; ingestion; inhalation; skin contact

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

Target Organs:
Central nerves system; skin; eye; liver; respiratory system

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

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

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

<table>
<thead>
<tr>
<th>Hazardous Ingredients (specific)</th>
<th>% Composition</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol (2-Propanol)</td>
<td>70%</td>
<td>67-63-0</td>
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<tr>
<td>Inactive Ingredient</td>
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<td></td>
</tr>
<tr>
<td>Water</td>
<td>30%</td>
<td>7732-18-5</td>
</tr>
</tbody>
</table>
SECTION 4. First-aid measures

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

**Skin:**
Immediately flood the affected skin area with large quantity of water, preferably under a shower. Remove contaminated clothing and continue washing. Contaminated clothing should be washed thoroughly before re-use. Obtain medical attention if blistering of the skin occurs or redness persists.

**Ingestion:**
Do not induce vomiting. Have victim drink several large glasses of water to dilute the stomach contents. Give the victim oxygen if he/she has difficulty in breathing. Obtain medical attention immediately.

**Inhalation:**
Remove the victim from exposure immediately. Give the victim oxygen if he/she has difficulty in breathing. Obtain medical attention immediately.

**MEDICAL PERSONNEL:**
Monitor the victim for systemic secondary effects on liver and kidney functions. Support and treat as appropriate.

SECTION 5. Fire-fighting measures

Flash Point – 20°C/68°F
Boiling Point – 80°C/176°F
Extinguishing Media – Dry Chemical or Alcohol Type Foam, Carbon Dioxide

Be aware of the possibility of re-ignition. Keep containers and surroundings cool with water spray.

Unusual Fire and Explosion Hazards –
Class 3 Flammability. Vapor can travel a considerable distance to a source of ignition and flashback. Flashback can occur if air temperature exceeds flash point. Be aware the possibility of re-ignition.

Special Fire Fighting Procedures –
Handle as Flammable Liquid. Use Respiratory Protection. Wear full protective clothing for Fire Fighting Personnel.

SECTION 6. Accidental release measures

- Flush spills with water.
- Contain and absorb using soil, sand, or other inert material.
- Vapor can accumulate in low areas. Consider the need for evacuation.
- Prevent the material from entering drains or water courses.

SECTION 7. Handling and storage

- Eliminate all sources of ignition. Store away from heat.
- Store in well ventilated area.
- Handle as flammable liquid. Follow local, state and federal regulations.
- Avoid inhaling vapor. Avoid contact with eyes, skin and clothing.
- Wear eye protection if splashing is expected.
- Wear appropriate protective clothing.
- Use respirator if exposure level is high when handling bulk liquid.
- Keep container tightly closed when not in use.
SECTION 8. Exposure controls/personal protection

- OSHA Occupation Exposure Standards PEL 400ppm (980mg/m³) 8h TWA
- UK EH40: OES 400ppm (980mg/m³) 8h TWA
- UK EH40: OES 500ppm (1225mg/m³) 15min TWA
- ACGIH: TLV 200ppm (980mg/m³) 8h TWA
- ACGIH: STEL 400ppm (1225mg/m³) 15min TWA
- Personal Protective Equipment
  - Gloves
  - Eye
  - Clothing

SECTION 9. Physical and chemical properties

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
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 doses producing marked maternal toxicity.

SECTION 12. Ecological information

- Mobility
If released to soil, IPA is expected to have very high mobility
Persistence / Degradability
IPA is readily degraded in aerobic aqueous systems
Bio-accumulation

Low potential for bio-concentration in aquatic organisms

SECTION 13. Disposal considerations

- Transfer into suitable containers for recovery or disposal.
- Dispose in accordance with all applicable local and national regulations.
- Do not remove labels from container until the container has been cleaned.
- Do not cut, puncture or weld on or near the container.
- Do not incinerate closed containers.
- Empty containers may contain hazardous residues

SECTION 14. Transport information

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

SECTION 15. Regulatory information

This product is compliant with the following:

- EU Label: Classification and labeling have been performed according to EU Directive 67/548/EEC and 99/45/EC including amendments
- EU Hazard Symbol and Indication of Danger
- F – Highly flammable
- Xi – Irritant
- R11 – Highly flammable
- R36 – Irritating to eyes
- R67 – Vapors may cause drowsiness and dizziness
- S2 – Keep out of reach of children
- S7 – Keep container tightly closed
- S16 – Keep away from sources of ignition – No smoking
- S24 / S25 – Avoid contact with skin and eyes
- S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

US (Federal and State) Regulations and International Chemical Registration Laws TSCA listing

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

This product does not contain any chemicals subject to EPA Title III of the SARA Listing in Sections 302 and 304

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substance (EINECS Listing) or are exempted from listing

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

SECTION 16. Other information

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

- 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, smoking
  - P233 - Keep container tightly closed
  - P240 - Ground/bond container and receiving equipment
  - P241 - Use explosion-proof electrical equipment, 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+P336 - 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