SAFETY DATA SHEET

Effective Date: JULY 2019

ITEM: Inland Alert/Locate Kit

PART # 543      UPC 077403105434

CONTENTS
Marine Hand Held Red Flare (HHRF) SDS
Marine Hand Held Orange Smoke Signal (HHOS) SDS
Air Horn SDS

SHIPPING INFORMATION
UN0373, Signal devices, hand 1.4S (ERG 114)
EX1986040106
EX1997080126
SAFETY DATA SHEET

1. Product and Company Identification

**Marine Handheld Red Flare (HHRF)**

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

**Manufacturer’s Information:** Orion Safety Products

3157 N 500 W

Peru, Indiana 46970

US 1-800-851-5260

Int’l (11) 1-765-472-4375

**EMERGENCY RESPONSE** Chemtrec 1-800-424-9300 1-703-527-3887

2. Hazards Identification

**GHS Classifications**

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosive</td>
<td>Category 1.4</td>
</tr>
<tr>
<td>Skin IRRITATION</td>
<td>Category 2</td>
</tr>
<tr>
<td>Eye IRRITATION</td>
<td>Category 2A</td>
</tr>
<tr>
<td>STOT Single Exposure</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

**GHS Label Elements**

**Hazard Statements**

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

**Pictograms**

**Signal Word**  **Warning**

In case of fire; use water deluge.

IF SWALLOWED: Get immediate medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

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.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs, get medical advice/attention.

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

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>EINCS #</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>10042-76-9</td>
<td>233-131-6</td>
<td>&lt;50%</td>
</tr>
<tr>
<td>Sulfur</td>
<td>7704-34-9</td>
<td>231-722-6</td>
<td>&lt;25%</td>
</tr>
<tr>
<td>Potassium Peroxide</td>
<td>7772-74-7</td>
<td>231-912-9</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>9002-88-4</td>
<td>none</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>3811-04-9</td>
<td>231-100-4</td>
<td>&lt;5%</td>
</tr>
</tbody>
</table>

**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 eyes, 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**

**Indication of any immediate medical attention and special treatment needed**

See section 2 labeling and section 11

No data available
5. Firefighting Measures

<table>
<thead>
<tr>
<th>Extinguishing Media</th>
<th>Water deluge</th>
<th>Unsuitable Extinguishing Media</th>
<th>Foam and dry chemical extinguishers and suffocation are ineffective.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective Equipment and Precautions for Firefighters</td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Hazards Arising from the Chemical</td>
<td>Only use outdoors. 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Further Information</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Accidental Release Measures

**Personal Precautions / Protective Equipment / Emergency Procedures**
Do not breathe smoke or contents. 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.

**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

<table>
<thead>
<tr>
<th>Control Parameters</th>
<th>Exposure Limits</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>Sulfur</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>Potassium Perchlorate</td>
<td>Nuisance dust, 15 mg/m³</td>
<td>Nuisance dust, 15 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Polyethylene</td>
<td>15 mg/m³ * TWA</td>
<td>10 mg/m³ * TWA</td>
<td></td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

**Respiratory Protection**
None under normal conditions when using product. A particulate respirator (NIOSH T195 or better filters) may be worn during the cleanup of spilled contents.

**General Hygiene**
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 | No data available |
| Boiling Point / Range: | Not applicable |
| Vapor Pressure: | Not applicable |
| Flammability: | No data available |
| Partition Coefficient: | No data available |
| Auto Ignition Temperature: | No data available |
| Melting Point: | No data available |
| Freezing Point: | Not applicable |
| Specific Gravity: | Not applicable |
| Odor Threshold: | No data available |
| Flammability Limits: | No data available |
| Viscosity: | No data available |
| Solubility: | No data available |
| Evaporation Rate: | Not applicable |
| Vapor Density: | Not applicable |
| Flash Point: | No data available |
| Relative Density: | No data available |
| Decomposition Temperature: | No data available |

HHRF Aug 2017
10. Stability and Reactivity

**Chemical Stability:** Stable

**Reactivity:** No information available

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid**
- Combustible materials, heat, flames, sparks and other sources of ignition. Moisture.

**Incompatible Materials**
- Strong acids, strong fuels, ammonia salts and strong bases.

**Hazardous Decomposition Products**
- Carbon monoxide, carbon dioxide, sulfur oxides and nitrogen oxides.

11. Toxicology Information

**Ingredient acute toxicity information**

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Oral LD50</th>
<th>Skin LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Nitrate</td>
<td>Rat: 1892 mg/kg</td>
<td>Not stated</td>
<td>Not stated</td>
</tr>
<tr>
<td>Sulfur</td>
<td>Rat: 5050 mg/kg</td>
<td>Rat &gt; 2020 mg/kg</td>
<td>Rat &gt; 5.49 mg/L air concentration</td>
</tr>
<tr>
<td>Potassium Perchlorate</td>
<td>Rat: 2100 mg/kg</td>
<td>Not stated</td>
<td>Not stated</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Rat: 4000 mg/kg</td>
<td>Not stated</td>
<td>Not stated</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>Rat: 4000 mg/kg</td>
<td>2000 mg/kg (Rabbit)</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
  - Category 2 – over 10% of ingredients classified as a Category 2 skin irritant
  - Category 2A – over 10% of ingredients classified as a Category 2A eye irritant

- **Skin Irritation / Corrosion**
  - Not classified (Based on available data, the classification criteria are not met)

- **Serious Eye Damage / Irritation**
  - Not classified (Based on available data, the classification criteria are not met)

- **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)

- **Aspiration Hazard**
  - Not classified (Based on available data, the classification criteria are not met)

- **Likely routes of exposure**
  - Skin, ingestion, inhalation

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

- **Delayed and immediate effects and chronic effects from short and long term exposure**
  - No information found

- **Interactive effects**
  - No information found

12. Ecological Information

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

- **Aquatic Toxicity**
  - Potassium Chlorate: fish: LC50 oncohynchus mykiss (rainbow trout) 1750 mg/l – 96 hr, EC50 daphnia magna (water flea) 1093 mg/l 24 hr
  - Strontium Nitrate: Acute toxicity - Fishes, Carassius auratus, LC100, 9,615 mg/l; Chronic toxicity - Fishes, Gasterosteus aculeatus, LC100, 2.912 mg/l
  - Sulfur: Toxicity to fish LC50 – Oncorhynchus mykiss (rainbow trout) - > 180 mg/l – 96 h Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia magna (Water flea) - > 5,000 mg/l – 48 h

- **Persistence / Degradability**
  - No information found

- **Bioaccumulation / Accumulation**
  - No information found

- **Mobility in Environmental Media**
  - Stongium Nitrate: 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 the preferred method of disposal for pyrotechnic materials. Allow flares to burn to completion. 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

<table>
<thead>
<tr>
<th>ID Number</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>EX Number</th>
<th>Reportable Quantities</th>
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<tbody>
<tr>
<td>Domestic &amp; International</td>
<td>UN0373</td>
<td>Signal devices, hand</td>
<td>1.4S</td>
<td>n/a</td>
<td>EX1986040106</td>
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<tr>
<td>Marine pollutant</td>
<td>no</td>
<td>Special precautions for user</td>
<td>no information available</td>
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15. Regulatory Information

<table>
<thead>
<tr>
<th>US Regulations</th>
<th>TS CA</th>
<th>CERCLA</th>
<th>CWA</th>
<th>CAA</th>
<th>SARA 313</th>
<th>SARA 302</th>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Pressure</th>
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<tbody>
<tr>
<td>Strontium Nitrate</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>no</td>
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<tr>
<td>Sulfur</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>Potassium Perchlorate</td>
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<td>no</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
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<td>Polyethylene</td>
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<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
<td>no</td>
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</table>

**US States**

<table>
<thead>
<tr>
<th>Strontium Nitrate</th>
<th>NJ</th>
<th>PA</th>
<th>Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>no</td>
<td>1743</td>
<td>no</td>
<td>C Oxidizing materials</td>
</tr>
<tr>
<td>Sulfur</td>
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<td>1757</td>
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<tr>
<td>Potassium Perchlorate</td>
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<td>1577</td>
<td>yes</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>no</td>
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<td>No controlled</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>no</td>
<td>1560</td>
<td>yes</td>
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**Whmis**

<table>
<thead>
<tr>
<th>Dls</th>
<th>Europe</th>
<th>Wgk</th>
</tr>
</thead>
<tbody>
<tr>
<td>yes</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>yes</td>
<td>1</td>
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</tr>
<tr>
<td>yes</td>
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</table>

16. Other Information

**Revision Information:** March 2019

<table>
<thead>
<tr>
<th>NFPA Rating</th>
<th>HMIS Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>2</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
- 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
- CWA: Clean Water Act – US
- TSCA: Toxic Substances Control Act – US
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act – US
- CAA: Clean Air Act – US
- SARA: Superfund Amendments and Reauthorization Act – US
- PROP 65: California’s Proposition 65 list
- WHMS: Workplace Hazardous Materials Information System – Canada
- DSL: Domestic Substances List – Canada
- WGK: Water Hazard Classes – Germany

**Legal Statement**

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

1. Product and Company Identification

Marine Hand Held Orange Smoke Signal (HHOS)

Identified Use: Emergency signal

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

Manufacturers Information:
- Orion Safety Products
  - 3157 N 500 W
  - Peru, Indiana 46970
  - US 1-800-851-5260
  - Int'l (11) 1-765-472-4375

2. Hazards Identification

GHS Classifications
- Explosive: Category 1, 4
- Skin Irritation: Category 2
- Eye Irritation: Category 2A
- Skin Sensitization: Category 1
- STOT-Repeated Exposure: Category 1

GHS Label Elements
- Pictograms
- Precautionary Statements
  - P102: Keep out of reach of children.
  - P103: Read carefully and follow all instructions.
  - P210: Keep away from heat/sparks/open flames/hot surfaces.
  - P232: Protect from moisture.
  - P261: Avoid breathing dust/fumes.
  - P264: Wash hands thoroughly after handling.
  - P270: Do not eat, drink or smoke when using this product.
  - P271: Use only outdoors.
  - P280: Wear protective eye protection.

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

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

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>EINCS #</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent Yellow Dye</td>
<td>842-07-9</td>
<td>212-668-2</td>
<td>&lt;40%</td>
</tr>
<tr>
<td>Lactose</td>
<td>63-42-3</td>
<td>200-559-2</td>
<td>&lt;40%</td>
</tr>
<tr>
<td>Potassium Chlorate</td>
<td>3811-04-9</td>
<td>391-100-8</td>
<td>&lt;25%</td>
</tr>
<tr>
<td>Solvent Orange 7 Dye</td>
<td>3118-97-6</td>
<td>221-490-4</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Strontium Carbonate</td>
<td>1633-05-2</td>
<td>216-643-7</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>215-279-6</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Charcoal</td>
<td>7440-44-0</td>
<td>231-153-3</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Umber</td>
<td>12713-03-0</td>
<td>235-784-5</td>
<td>&lt;1%</td>
</tr>
<tr>
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<td>10042-76-9</td>
<td>233-131-9</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Shellac</td>
<td>9000-59-3</td>
<td>232-549-9</td>
<td>&lt;1%</td>
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<tr>
<td>Potassium Nitrate</td>
<td>7757-79-1</td>
<td>231-818-8</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Sawdust (cellulose)</td>
<td>9004-34-6</td>
<td>232-674-9</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

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 eyes, 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

**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**

- 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.

**Further Information**

- No data available

6. Accidental Release Measures

**Personal Precautions / Protective Equipment / Emergency Procedures**

- Do not breathe smoke or contents. 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

**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. 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.

**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**
  - Solvent Yellow Dye: Nuisance particulate, 15 mg/m³ of total dust
  - Lactose: No Airborne Exposure Limits established
  - Potassium Chlorate: No information found
  - Solvent Orange 7 Dye: 15 mg/m³
  - Strontium Carbonate: Nuisance dust 15 mg/m³.
  - Calcium Carbonate: 30 mg/m³
  - Charcoal: Not Established
  - Umber: 1000 ppm
  - Strontium Nitrate: Nuisance dust 15 mg/m³.
  - Shellac: 5 mg/m³
  - Potassium Nitrate: 0 ppm
  - Sawdust (cellulose): 10 mg/m³

- **OSHA PEL**
  - Nuisance particulate, 15 mg/m³ of total dust
  - No Airborne Exposure Limits established
  - 15 mg/m³
  - 15 mg/m³
  - Nuisance dust 15 mg/m³.
  - 30 mg/m³
  - Not Established
  - 1000 ppm
  - Nuisance dust 15 mg/m³.
  - 0 ppm

- **ACGIH TLV**
  - Nuisance particulate 10 mg/m³ of total dust
  - No Airborne Exposure Limits established
  - No information found
  - 10 mg/m³
  - 10 mg/m³
  - Nuisance dust 15 mg/m³.
  - No information found
  - Not Established
  - 1000 ppm
  - Nuisance dust 15 mg/m³.
  - 0 ppm

**HHOS March 2019**

HHOS March 2019
Exposure Controls
Engineering Controls
Use product outdoors only! When cleaning up contents, use local and/or general exhaust.

Skin Protection
Safety glasses or goggles

Eye / Face Protection
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

Respiratory Protection
None under normal conditions when using product. A particulate respirator (NIOSH #1N95 or better filters) may be worn during the cleanup of spilled contents.

General Hygiene
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

Boiling Point / Range: Not applicable

Vapor Pressure: Not applicable

Odor: No data available

Flammability: No data available

Partition Coefficient: No data available

Auto Ignition Temperature: >167°F

Chemical Stability:

Reactivity: No information available

Incompatible Materials:
- Strong oxidizers, strong acids, oxidizing or reducing agents.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Hazardous Decomposition Products:
- Carbon monoxide, carbon dioxide, nitrogen oxides.

10. Stability and Reactivity

Conditions to Avoid:
- Excessive temperatures, moisture, water, acids and ignition sources.

11. Toxicology Information

Ingestion 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

Strontium Carbonate
- No information found
- No information found
- No information found

Calcium Carbonate
- Rat: 6450 mg/kg
- Rabbit 500 mg/kg
- No information found

Charcoal
- Rat: >15400 mg/kg
- Rabbit: 3 g/kg
- No information found

Umber
- No information found
- No information found
- No information found

Strontium Nitrate
- Rat: 2750 mg/kg
- No information found
- No information found

Shellac
- Rat: 5000 mg/kg
- No information found
- No information found

Potassium Nitrate
- Rat: 3750 mg/kg
- No information found
- No information found

Sawdust (cellulose)
- Rat: >5000 mg/kg
- Rabbit: >2000 mg/kg
- Rat 758 mg/m³

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 skin irritant

Serious Eye Damage / Irritation
- Category 2A – over 10% of ingredients classified as a Category 2A eye irritant

Respiratory / Skin Sensitization
- Category 1 Skin – over 0.1% of ingredients are classified as a Category 1 skin sensitizer

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

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

Reproductive Toxicity
- Not classified (Based on available data, the classification criteria are not met)

STOT – single exposure
- Category 1 – lungs over 1% of ingredients classified as a Category 1 STOT hazard

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

Aspiration hazard
- Not classified (Based on available data, the classification criteria are not met)

Likely routes of exposure
- Skin, ingestion, inhalation

Symptoms related to the physical, chemical and toxicological characteristics
- 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**

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<thead>
<tr>
<th>Aquatic Toxicity</th>
<th>Persistence / Degradability</th>
<th>Bioaccumulation / Accumulation</th>
<th>Mobility in Environmental Media</th>
<th>Other adverse effects</th>
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<td>Strontium Nitrate: Acute toxicity - Fishes, Carassius auratus, LC100, 9.615 mg/l</td>
<td>Potassium Chlorate: Soluble in water Persistence is unlikely based on information available.</td>
<td>Potassium Chlorate: Water: considerable solubility and mobility; Soil/sediments non-significant adsorption</td>
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<td>Potassium Chlorate: fish: LC50 oncorhynchus mykiss (rainbow trout) 1750 mg/l – 96 hr, EC50 daphnia magna (water flea) 1093 mg/l 24 hr</td>
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**US Regulations**

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13. Disposal Considerations (for spills and leakage)

Flares should be allowed to burn to completion. Dispose of partially burned flares, ash, spilled contents, contaminated product and materials used in cleaning up spills or leaks in the manner approved for pyrotechnic material in accordance with federal, state and local requirements. Open burning is preferred method of disposal for pyrotechnic materials.

14. Transportation Information

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15. Regulatory Information

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</tr>
<tr>
<td>D1B Toxic materials</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No information found</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C Oxidizing materials</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No results</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HHOS** March 2019
16. Other Information

Revision Information: March 2019

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

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

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th>Orion Safety Signal Horn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer Stock Numbers</td>
<td>N/A</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Personal Safety - Hand held signaling device. Prior to use, read all label instructions and warnings.</td>
</tr>
<tr>
<td>Uses advised against</td>
<td>Use Only as Directed - Read label instructions carefully. Keep out of reach of children. Intentional misuse by deliberately concentrating and/or inhaling contents may be fatal.</td>
</tr>
</tbody>
</table>

Manufacturer Contact
Address
Falcon Safety Products, Inc.
25 ImClone Drive
Branchburg, NJ, 08876
USA

<table>
<thead>
<tr>
<th>Phone</th>
<th>Emergency Phone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td>(908) 707-4900</td>
<td>(800) 498-7192</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section 2. Hazards Identification

Classification
FLAMMABLE AEROSOLS - Category 2
GASES UNDER PRESSURE - Compressed gas

Signal Word
Warning

Pictogram

Hazard Statements
N/A

Precautionary Statements
Response
N/A
Prevention
Do not spray on an open flame or other ignition source.
Keep away from heat.
Pressurized container: Do not pierce or burn, even after use.

**Storage**
Do not store in enclosed vehicle.
Protect from sunlight. Store in a well-ventilated place.
Store at temperatures not exceeding 120 degrees F/49 degrees C

**Disposal**
N/A

**General**
Keep out of reach of children

**Ingredients of unknown toxicity**
0%

**Hazards not Otherwise Classified**
N/A

No Data Available

### Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-37-6</td>
<td>Ethane, 1,1-difluoro-</td>
<td>100 %</td>
</tr>
</tbody>
</table>

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

### Section 4. First-Aid Measures

**General Advice**
Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.

**Inhalation**
Remove from exposure, lie down. Move to fresh air. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Skin**
Take off all contaminated clothing immediately. Flush area with lukewarm water. Do not use hot water. If frostbite has occurred, call a physician.

**Eye**
Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion**
Is not considered a potential route of exposure.

**Most important symptoms/effects, acute and delayed**
Anaesthetic effects: light-headedness, irregular heartbeat with a strange sensation in the chest, heart thumping, apprehension, feeling of fainting, dizziness or weakness.

**Protection of First-aiders**
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Notes to Physician**
Because of possible disturbances of cardiac rhythm catecholamine drugs, such as epinephrine, which may be used in situations of emergency life support, should be used with special caution.
Section 5. Fire Fighting Measures

| Suitable Extinguishing Media | Water spray, water fog, dry chemical, alcohol resistant foam, carbon dioxide (CO2) |
| Unsuitable Extinguishing Media | No applicable data available. |

Specific Hazards

- Flammable. This substance’s fire decomposition by-products will include hydrofluoric acid and possibly carbonyl fluoride. Avoid contact with these materials, which are toxic and irritating. Evacuate personnel immediately in the event of a fire involving this substance. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Vapors or gases may travel considerable distances to ignition source and flash back.

Special protective equipment for firefighters

- Use personal protective equipment. Wear neoprene gloves during cleaning up work after a fire. Exposure to decomposition products may be a hazard to health.

Further Information

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool containers/tanks with water spray.

Section 6. Accidental Release Measures

NOTE:

- Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel)

- Evacuate personnel to safe areas. Ventilate the area. Refer to protective measures listed in sections 7 and 8.

Spill Clean-up

- If this product is spilled and not recovered, or is recovered as a waste for treatment and disposal, the CERCLA Reportable Quantity is 100 lbs. (release of an Unlisted Hazardous Waste with the Characteristic of Ignitability). Evaporates. Ventilate area using forced ventilation, especially low or enclosed places where heavy vapors might collect.

Accidental Release Measures

- Wear self-contained breathing apparatus (SCBA).
Section 7. Handling and Storage

Handling (Personnel)  Avoid breathing vapors or mist. Avoid contact with skin, eyes and clothing. Provide sufficient air exchange and/or exhaust in work rooms. For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice.

Handling (Physical Aspects)  Vapors are heavier than air and may spread along floors. Vapors may form flammable mixture with air. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. No sparking tools should be used. Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition. When using DO NOT SMOKE. Do not use in areas where vapors may accumulate such as paper shredders.

Dust Explosion class  Not applicable

Storage  Keep container tightly closed and in a dry, well-ventilated location. Store in original container. The product has an indefinite shelf life when stored properly.

Storage Period  Recommended shelf life - 10 years provided product is stored in a dry location as directed.

Storage Temperature  Do not expose to temperatures above 120 degrees F (49 degrees C) as overheating could cause can to burst. DO NOT leave in direct sunlight or enclosed vehicle.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethane, 1,1-difluoro-</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Personal Protective Equipment

Engineering controls  Ensure adequate ventilation, especially in confined areas. Use respiratory protection if needed.

Eye/Face Protection  Wear safety glasses with side shields. Direct contact with liquid may cause frostbite.

Respiratory Protection  For rescue use self-contained breathing apparatus. Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing.

Skin and body protection  As required by employer code. If there is risk of skin contact, wear protective clothing, gloves, etc. Direct contact with liquid can cause frostbite.

General Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practices.
### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Gas</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>slight, ether-like</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water - Slightly</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.91</td>
</tr>
<tr>
<td>Density lbs/Gal</td>
<td>0.9</td>
</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&lt;-58°F (&lt;-50° C)</td>
</tr>
<tr>
<td>FP Method</td>
<td>N/A</td>
</tr>
<tr>
<td>Ph</td>
<td>Neutral</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>-13 °F (-25 °C)</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>N/A</td>
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<tr>
<td>LEL</td>
<td>3.9</td>
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<tr>
<td>UEL</td>
<td>16.9</td>
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<tr>
<td>Evaporation Rate</td>
<td>No applicable data available</td>
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<tr>
<td>Flammability</td>
<td>Flammable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>5,960 KPa at 77F (25C)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>2.4 at 77F (25C) (Air=1)</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

- **Reactivity**: Stable under recommended storage conditions.
- **Chemical Stability**: The product is chemically stable under recommended storage conditions.
- **Conditions to Avoid**: Aerosol containers are unstable at temperatures above 120 degrees F/49 degrees C.
- **Incompatible Materials**: Incompatible products include Alkali metals, Alkaline earth metals, powdered metals, powdered metal salts.
- **Hazardous Decomposition Products**: Decomposition products are hazardous. This material can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and possibly carbonyl fluoride.
Section 11. Toxicological Information

Component Analysis - LC50
1,1-Difluoroethane - > 64000 ppm rat
Component analysis - Oral LD50
1,1-Difluoroethane - 1500 mg/kg rat

Effects of Acute Exposure - Eye
Contact with liquid may cause frostbite
Effects of Acute Exposure - Skin
Contact with liquid may cause frostbite
Effects of Acute Exposure - Inhalation
Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effect (headaches, dizziness). Vapors may cause dizziness or suffocation.
Effects of Acute Exposure - Ingestion
Not a normal route of exposure

Sensitization
Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity
Not classifiable as a human carcinogen. Animal testing did not show carcinogenic effects. None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA as a carcinogen.
Mutagenicity
Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Tests on mammalian cell cultures showed mutagenic effects.
Reproductive Toxicity
No toxicity to reproduction. Animal testing showed no reproductive toxicity.
Teratogenicity
Animal testing showed no developmental toxicity.
Further Information
Cardiac sensitization threshold limit: 405000 mg/m3

Section 12. Ecological Information

Aquatic Toxicity
1,1-Difluoroethane 96 h LC50 : Fish 295.78 mg/l 96 h EC50 : Algae 47.76 mg/l
48 h EC50 : Daphnia (water flea) 146.7 mg/l

Section 13. Disposal

Waste Disposal Methods
Comply with applicable Federal, State/Provincial and Local Regulations. May be a RCRA Hazardous waste due to the ignitability characteristic. Do not puncture or incinerate container.
Contaminated Packaging
Not Available
Section 14. Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>1030</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Proper Shipping Name</td>
<td>1,1-Difluoroethane</td>
</tr>
<tr>
<td>DOT Classification</td>
<td>2.1</td>
</tr>
<tr>
<td>Packing Group</td>
<td>N/A</td>
</tr>
<tr>
<td>Packaging Exceptions</td>
<td>Note: Falcon Safety Products has been granted a DOT special permit. A copy of DOT Special Permit SP-11516 can be obtained by calling Falcon Safety Products, Inc. at 908-707-4900.</td>
</tr>
</tbody>
</table>

Transportation of Dangerous Goods (TDG - Canada)

Proper Shipping name: 1,1-Difluoroethane Hazard Class: 2.1 UN number: 1030

Packaging Exceptions: Limited quantity (containers up to 125mL)

IATA/ICAO (Air)

Proper Shipping Name: 1,1-Difluoroethane. Hazard Class: 2.1. UN Number: 1030. Maximum Net Quantity Packaging: Cargo Aircraft only - 150 kg maximum (forbidden on passenger aircraft). Maximum Net Quantity packaging cargo only: 150 kg.

IMDG (Marine Transport)

Proper Shipping Name: 1,1-DIFLUOROETHANE. Hazard Class: 2.1. UN Number: 1030.

Additional Information

TDG Canada: Falcon Safety Products has been granted Equivalency Certificate SU 9211 (ren. 1) by the TCSS, TDGD to offer for transport by road, rail and marine.

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 SDS contains all the information required by the Controlled Products Regulations.

WHMIS Status

Controlled

WHMIS Classification

Class A - Compressed Gas, Class B - Division 1 - Flammable Gas

TSCA

On the inventory, or in compliance with the inventory.

SARA 313 Regulated Chemical(s)

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

NJ Right to Know Regulated Chemical(s)

Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): 1,1-Difluoroethane.

California Prop. 65

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

Canada Domestic Substances List (DSL)

This product is listed on the DSL inventory list and complies with the inventory requirements administered by the governing country.
**Section 16. Other Information**

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>2/17/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disclaimer</td>
<td>Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.</td>
</tr>
</tbody>
</table>

| Prepared By   | Falcon Safety Products, Inc. 908-707-4900 |