Section 1: Identification

Product identifier

Product Name • Gel Packs
Synonyms • Flexible PolarPack®
SDS Number/Grade • 2015-2

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Keep items cold or frozen
Restrictions on use • If ingested: Drink large amounts of water. In case of eye contact: Flush with clean running water. In case of skin contact: Flush with clean water; then wash affected area with soap and water.

Details of the supplier of the safety data sheet

Manufacturer • Sonoco Protective Solutions
3930 N Ventura Dr. Suite 450
Arlington Heights, IL 60008
United States
https://www.thermosafe.com
james.goeke@sonoco.com

Telephone (General) • 800-323-7442

Emergency telephone number

Manufacturer • 800-323-7442

Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Not classified

Label elements

OSHA HCS 2012
Hazard statements • No label element(s) required

Other hazards

OSHA HCS 2012 • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.
### Section 3 - Composition/Information on Ingredients

**Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>CAS:7732-18-5</td>
<td>99%</td>
<td>Ingestion/Oral-Rat LD50 • &gt;90 mL/kg</td>
<td>OSHA HCS 2012: Not Hazardous</td>
<td>NDA</td>
</tr>
<tr>
<td>Arctic Gel 1010</td>
<td>NDA</td>
<td>1%</td>
<td>Ingestion/Oral-Rat LD50 • &gt;2000 mg/kg</td>
<td>OSHA HCS 2012: Not Classified</td>
<td>NDA</td>
</tr>
</tbody>
</table>

### Section 4: First-Aid Measures

**Description of first aid measures**

**Inhalation**
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

**Skin**
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. In case of skin contact: Flush with clean water; then wash affected area with soap and water.

**Eye**
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. In case of eye contact: Flush with clean running water.

**Ingestion**
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If swallowed, rinse mouth with water (only if the person is conscious) If ingested: Drink large amounts of water.

**Most important symptoms and effects, both acute and delayed**
- Refer to Section 11 - Toxicological Information.

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

**Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

### Section 5: Fire-Fighting Measures

**Extinguishing media**

**Suitable Extinguishing Media**
- In case of fire use media as appropriate for surrounding fire.

**Unsuitable Extinguishing Media**
- No data available

**Special hazards arising from the substance or mixture**

**Unusual Fire and Explosion Hazards**
- No data available

**Hazardous Combustion Products**
- No data available

**Advice for firefighters**
Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • No special precautions expected to be necessary if material is used under ordinary conditions and as recommended. Wear appropriate personal protective equipment where contact with eutectic fill is possible.

Emergency Procedures • No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Environmental precautions

• No special environmental precautions necessary.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Collect as much leaked material as possible; use of sand or other absorbent materials may be helpful.

Section 7 - Handling and Storage

Precautions for safe handling

Handling • Use good safety and industrial hygiene practices. NOTE: Careless handling of Flexible PolarPacks may damage the film pouch material, resulting in leakage of the eutectic fill. Before use, examine the film material for tears, punctures, etc.

Conditions for safe storage, including any incompatibilities

Storage • Store in a cool, dry, well-ventilated place. Keep from direct sunlight.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines • No applicable exposure limits available for product or components.

Exposure controls

Engineering Measures/Controls • No special controls needed.

Personal Protective Equipment

Respiratory • No respiratory protection needed.

Eye/Face • No protective eyewear expected to be needed.

Skin/Body • Protective gloves are recommended when handling frozen product; otherwise not necessary.

Environmental Exposure Controls • Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Liquid</th>
<th>Appearance/Description</th>
<th>Plastic pack filled with Transparent, colorless, odorless gel.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Transparent, colorless.</td>
<td>Odor</td>
<td>Odorless</td>
<td></td>
</tr>
</tbody>
</table>
### Odor Threshold
Not relevant

### General Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>262 °F (127.7778 °C)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>32 °F (0 °C)</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>1.024 @ 68 °F (20 °C) Water=1</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble 100 % Not relevant</td>
</tr>
<tr>
<td>pH</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble 100 % Not relevant</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Volatility</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt; 0.04 mmHg (torr) @ 77 °F (25 °C)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>0.015 n-Butyl Acetate = 1</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>1.2 Air=1</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not relevant</td>
</tr>
<tr>
<td>LEL</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Environmental</td>
<td></td>
</tr>
<tr>
<td>Octanol/Water Partition coefficient</td>
<td>Not relevant</td>
</tr>
</tbody>
</table>

### Section 10: Stability and Reactivity

#### Reactivity
- No dangerous reaction known under conditions of normal use.

#### Chemical stability
- Stable under normal temperatures and pressures.

#### Possibility of hazardous reactions
- Hazardous polymerization will not occur.

#### Conditions to avoid
- No data available

#### Incompatible materials
- Not applicable.

#### Hazardous decomposition products
- Not applicable.

### Section 11 - Toxicological Information

#### Information on toxicological effects

<table>
<thead>
<tr>
<th>Component</th>
<th>Acute Toxicity: Ingestion/Oral-Rat LD50</th>
<th>&gt;2000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arctic Gel 1010 (1%)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### GHS Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>OSHA HCS 2012 • No data available</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>OSHA HCS 2012 • No data available</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>OSHA HCS 2012 • No data available</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>OSHA HCS 2012 • No data available</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>OSHA HCS 2012 • No data available</td>
</tr>
</tbody>
</table>
Potential Health Effects

Inhalation

- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: Under normal conditions of use, no health effects are expected.

Skin

- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: Under normal conditions of use, no health effects are expected.

Eye

- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: Under normal conditions of use, no health effects are expected.

Ingestion

- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: Under normal conditions of use, no health effects are expected.

Section 12 - Ecological Information

Toxicity

- Non-mandatory section - information about this substance not compiled for this reason.

Persistence and degradability

- Non-mandatory section - information about this substance not compiled for this reason.

Bioaccumulative potential

- Non-mandatory section - information about this substance not compiled for this reason.

Mobility in Soil

- Non-mandatory section - information about this substance not compiled for this reason.

Other adverse effects

- Non-mandatory section - information about this substance not compiled for this reason.

Section 13 - Disposal Considerations

Waste treatment methods

- **Product waste**: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- **Packaging waste**: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
### Section 14 - Transport Information

<table>
<thead>
<tr>
<th>DOT</th>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Regulated</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

**Special precautions for user**
- None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
- Not applicable. Product not subject to bulk transportation.

### Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Hazard Classifications**
- None

**United States**

**Labor**
- U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals
  - Not Listed
- U.S. - OSHA - Specifically Regulated Chemicals
  - Not Listed

**United States - California**

**Environment**
- U.S. - California - Proposition 65 - Carcinogens List
  - Not Listed
- U.S. - California - Proposition 65 - Developmental Toxicity
  - Not Listed
- U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
  - Not Listed
- U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
  - Not Listed
- U.S. - California - Proposition 65 - Reproductive Toxicity - Female
  - Not Listed
- U.S. - California - Proposition 65 - Reproductive Toxicity - Male
  - Not Listed

### Section 16 - Other Information

**Revision Date**
- 30/March/2016

**Preparation Date**
- 28/March/2016

**Disclaimer/Statement of Liability**
- The information herein is given in good faith but no warranty, expressed or implied, is made.

**Key to abbreviations**
- NDA = No Data Available