

Safety Data Sheet

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

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Water	CAS:7732-18-5	99%	Ingestion/Oral-Rat LD50 • >90 mL/kg	OSHA HCS 2012: Not Hazardous	NDA
Arctic Gel 1010	NDA	1%	Ingestion/Oral-Rat LD50 • >2000 mg/kg	OSHA HCS 2012: Not Classified	NDA

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

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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

Material Description

Physical Form	Liquid	Appearance/Description	Plastic pack filled with Transparent, colorless, odorless gel.
Color	Transparent, colorless.	Odor	Odorless

Odor Threshold	Not relevant		
General Properties			
Boiling Point	262 °F(127.7778 °C)	Melting Point/Freezing Point	32 °F(0 °C)
Decomposition Temperature	Not relevant	pH	Not relevant
Specific Gravity/Relative Density	= 1.024 @ 68 °F(20 °C) Water=1	Water Solubility	Soluble 100 % Not relevant
Viscosity	Not relevant		
Volatility			
Vapor Pressure	< 0.04 mmHg (torr) @ 77 °F(25 °C)	Vapor Density	1.2 Air=1
Evaporation Rate	0.015 n-Butyl Acetate = 1		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not relevant		
Environmental			
Octanol/Water Partition coefficient	Not relevant		

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

Components	
Arctic Gel 1010 (1%)	Acute Toxicity: Ingestion/Oral-Rat LD50 • >2000 mg/kg

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available

Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • No data available
Toxicity for Reproduction	OSHA HCS 2012 • No data available
STOT-SE	OSHA HCS 2012 • No data available
STOT-RE	OSHA HCS 2012 • No data available

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

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

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

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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