

Safety Data Sheet

Polar Pack® Foam Brick

Section 1: Identification

Product Identifier

- Product Name** • Polar Pack® Foam Brick
Synonyms • PolarPack®

Relevant identified uses of the product

- Recommended use** • Keep items cold or frozen

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

China

Prepared to Chinese Standards GB/T 16483-2008, GB/T 17513-2013 and to GHS Rev 04

Classification of the substance or mixture

- According to GHS REV 4** • Not classified

Label elements

- Hazard statements** • No label element(s) required

Other hazards

- Not Applicable.

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Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

- Material does not meet the criteria of a mixture.

Composition Information on Ingredients

Chemical characterization:

- Pink fine-celled thermoset phenolic plastic foam with absorbed water that is encased in a sealed plastic film. Polar Pack® Foam Brick is formed to a specific shape during manufacture. It is considered an Article under section 1.3.2.1.1 of the United Nations, Global Harmonized System Rev 4 (Purple Book). This definition is included in Section 15 Regulatory Information of this SDS.

Chemical Name:

- Phenolic foam brick.

Description:

- Phenolic plastic foam with absorbed water encased in a vacuum sealed plastic film.

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.

Eye

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

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)

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 • Water, foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media • No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Finished foam will support combustion if it is ignited by direct contact with an open flame or exposed to temperatures in the range of 600° F. If foam is placed in a microwave for an extended period, it will begin to burn. Combustion occurs at the center of the brick and due to the insulating effect of the foam, can proceed unnoticed until an appreciable heat buildup occurs.

Hazardous Combustion • No data available.

Products

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

- Absorb any spilled liquid and dispose of properly.

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Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Use good safety and industrial hygiene practices. NOTE: Careless handling of Flexible Polar Packs may damage the film pouch material, which may result in leakage of liquid. 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 out of direct sunlight.

Section 8 - Exposure Controls/Personal Protection

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

- No protective clothing expected to be needed.

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	Solid	Appearance/Description	Plastic film covered brick
Color	Pink foam, film color varies	Odor	Odorless
Odor Threshold	No data available		
General Properties			
Boiling Point	212 °F(100°C) (Water)	Melting Point/Freezing Point	32 °F(0 °C) (Water)
Decomposition Temperature	No data available	pH	Not Applicable
Specific Gravity/Relative Density	= 1.0 @ 68 °F(20 °C) (Water)	Water Solubility	Not applicable.
Viscosity	Not applicable.		
Volatility			
Vapor Pressure	Not applicable.	Vapor Density	Not applicable.
Evaporation Rate	Not applicable.	Volatiles (Wt.)	Not applicable.
Volatiles (Vol.)	Not applicable.		

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Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	600 °F (315.5°C)
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient No data available			

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

- No data available

Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

Information on toxicological effects

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. |

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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.

Carcinogenic Effects Polar Pack® Foam Brick is not listed by either NTP or IARC.

Section 12 - Ecological Information

Aquatic toxicity: Not available.
 Persistence and degradability: Not available.
 Behavior in environmental systems: Not available
 Bioaccumulative potential: Not available.
 Mobility in soil: Not available.
 Additional ecological information: None.
 General notes: None.
 Other adverse effects: None known.

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.

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Section 14 - Transport Information

DOT Non-Bulk:	Not regulated
DOT Bulk:	Not regulated
IMDG:	Not regulated
ICAO/IATA:	Not regulated
Special precautions for user:	None
Transport in bulk according to Annex II Of MARPOL 73/78 and the IBC Code 4:	Not applicable.

Section 15 - Regulatory Information

Article means a manufactured item other than a fluid or particle: (i) Which is formed to a specific shape or design during manufacture; (ii) Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) Which under normal conditions of use does not release more than very small quantities, *e.g.*, minute or trace amounts of a hazardous chemical (as determined under the hazard determination provisions of the standard), and does not pose a physical hazard or health risk to employees.

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Section 16 - Other Information

Key/Legend:

ACGIH:	American Conference of Governmental Industrial Hygienists
ACGIH TLV:	ACGIH Threshold Limit Values
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstract Service
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act
CFR:	Code of Federal Regulations
CNS:	Central Nervous System
CPR:	Controlled Product Regulations
DOT:	US Department of Transportation
DSL:	Domestic Substances List
EINECS:	European Inventory of Existing Commercial Chemical Substances
HMIS:	Hazardous Material Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
IDL:	Ingredient Disclosure List
IMDG:	International Maritime Code for Dangerous Goods
NFPA:	National Fire Protection Association
NIOSH:	National Institute of Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
OSHA PEL:	OSHA Permissible Exposure Limits
PBT:	Persistent, Bioaccumulative and Toxic
RCRA:	Resource Conservation and Recovery Act
RTECS:	Registry of Toxic Effects of Chemical Substances
SARA:	Superfund Amendments and Reauthorization Act
TSCA:	Toxic Substances Control Act
TWA:	Time Weighted Average
vPvB:	Very Persistent and Very Bioaccumulative
GB/T:	Chinese National Standards.

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