

Section 1: Identification

Product Name: Thermo Chill™, Overnite™, Expand-Em™, SDS Number: POL146
and Polar Express foam insulated coolers.

Manufacturer: Polar Tech Industries, Inc.
415 East Railroad Avenue
Genoa, IL 60135

Main Phone #: (815) 784-9000
(800) 243-4229

Emergency Phone #: N / A

Product Description: Thermo Chill™, Overnite™, Expand-Em™ and Polar Express foam insulated containers are solid and white in appearance and are made of EPS.

Recommended use: Shipping container for any product that is temperature sensitive.

Section 2: Hazard Identification

Emergency Overview: A white, EPS foam container that does not present a hazard in normal handling and transportation.

GHS Pictograms:



GHS Hazard Statements: H228: Flammable solid

GHS Precautionary Statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P370+P374: In case of fire: fight fire with normal precautions from a reasonable distance.

Other Information: NFPA hazard rating:



Section 3: Composition / Information on Ingredients

Material Component:	CAS Number:	Percentage:
1. Polystyrene	9003-53-6	95 - 97%
2. Water	7732-18-5	< 3.0%
3. Pentane*	109-66-0	< 1.5%

Section 4: First-Aid Measures

Eyes:	Not normally required. Flush with water for approximately 15 minutes.
Skin:	Not normally required. Wash with soap and water.
Inhalation:	N / A
Ingestion:	Not normally required. If swallowed, get medical attention if symptoms appear.

Section 5: Fire-Fighting Measures

Flash Point:	610°F
Flammable Limits:	N / A
Extinguishing Media:	Water fog, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures:	N / A
Unusual Fire and Explosion Hazards:	N / A

Section 6: Accidental Release Measures

Large or small spills:	Sweep up debris and recycle or dispose of in accordance with Federal, State, and local regulations.
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Section 7: Handling and Storage

Handling Precautions:	Keep away from heat and ignition sources. No Smoking.
Storage Precautions:	Store in a clean, cool location away from heat and ignition sources. No Smoking. Ambient temperature and natural ventilation are adequate.

Section 8: Exposure Controls / Personal Protection

Protective Gloves:	Not normally required. Wear if deemed appropriate.
Eye Protection:	Not normally required. Wear if deemed appropriate.
Other Protection:	N / A

Section 9: Physical and Chemical Properties

Appearance:	A white, rigid cellular container		
Odor:	Very slight hydrocarbon	pH:	N / A
Vapor Pressure:	N / A	Vapor Density:	N / A
% Volatile by Volume:	< 1.5%	% Solid by Weight:	95 - 97%
Boiling Point:	N / A	Melting Point:	464°F
Density:	1.25 - 1.65 lbs/ft ³	Flash Point:	610°F
Evaporation Rate:	N / A	Solubility in Water:	insoluble

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Temperatures above 464°F
Incompatibility (materials to avoid):	Oxidizing agents, organic solvents.
Hazardous Decomposition Products:	Styrene

Section 11: Toxicological Information

General:	This product is considered to be non-toxic under normal handling and use.
Eyes:	Not expected during normal handling and use.
Skin:	Not expected during normal handling and use.
Inhalation:	Not expected during normal handling and use.
Ingestion:	Not expected during normal handling and use.
Carcinogenicity:	The components of this product are not known carcinogens, however, the decomposition product, Styrene, is listed as a carcinogen by IARC, NTP, OSHA.

Section 12: Ecological Information

General:	This product is non-biodegradable.
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Section 13: Disposal Considerations

Disposal:	Recycle or place in a suitable container for disposal. Product is to be recycled or disposed of in accordance with Federal, State and local regulations.
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Section 14: Transport Information

Proper Shipping Name:	Not regulated	DOT (US):	Not dangerous goods
Transport Hazard Class:	N / A	IMDG:	Not dangerous goods
ID Number:	N / A	IATA:	Not dangerous goods
Packing Group:	N / A		

Section 15: Regulatory Information

TSCA:	All components are listed or exempt from listing on the TSCA inventory.
CA prop 65:	This product contains no chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. The decomposition product, Styrene, is listed as a carcinogen.

Section 16: Other Information

Last Revision Date	4/1/1945	Preparation Date	1/4/2015
Key to abbreviations	SDS	Safety Data Sheet	
	N/A	Not available or not applicable	
	EPS	Expanded Polystyrene	
	GHS	Globally Harmonized System	
	NFPA	National Fire Protection Association	
	CAS	Chemical Abstracts Service	
	IARC	International Agency for Research on Cancer	
	NTP	National Toxicology Program	
	OSHA	Occupational Safety & Health Administration	
	DOT	U.S. Department of Transportation	
	IMDG	International Maritime Dangerous Goods Code	
	IATA	International Air Transport Association	
	TSCA	Toxic Substances Control Act	

Notice to reader:

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is correct, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.