

Section 1: Identification

Product Name: Biodegradable Ice-Brix[®] SDS Number: POL145

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: Biodegradable Ice-Brix[®] is a leak-proof, long lasting, viscous gel refrigerant made with non-toxic ingredients, listed as FDA GRAS, and packaged in biodegradable white poly bags.

Recommended use: Prevent thawing by packaging frozen Biodegradable Ice-Brix[®] along with product in a properly insulated container.
Prevent from freezing by packaging warmed Biodegradable Ice-Brix[®] along with product in a properly insulated container.

Section 2: Hazard Identification

Emergency Overview: A soft, clear, viscous gel that is sealed in a biodegradable polyethylene bag and does not present a hazard in normal handling and transportation.

GHS Pictograms: N / A

GHS Hazard Statements: N / A

GHS Precautionary Statements: P305+351+338: IF IN EYES, rinse cautiously with water for several minutes
Remove contact lenses if present and easy to do - continue rinsing
P301+352: IF ON SKIN, wash with soap and plenty of water.
P301+314: IF SWALLOWED, get medical advice if you feel unwell.

Other Information: NFPA hazard rating:



Section 3: Composition / Information on Ingredients

Material Component:	CAS Number:	Percentage:
1. Water	N / A	98%
2. Carboxy Methyl Cellulose	9004-32-4	2%

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:	N / A
Flammable Limits:	N / A
Extinguishing Media:	N / A - contains 98% water; non-flammable
Special Fire Fighting Procedures:	N / A
Unusual Fire and Explosion Hazards:	N / A

Section 6: Accidental Release Measures

Large or small spills:	Product can create a slippery environment. Rinse with water and dispose of through the sewer in accordance with Federal, State and local regulations.
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Section 7: Handling and Storage

Handling Precautions:	Avoid any actions that would cause bags to be sliced or cut, in order to prevent spills.
Storage Precautions:	Do not exceed safe height when stacking cases, in order to prevent spills or falls. Do not stack pallets.

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 soft, clear, viscous gel that is sealed in a polyethylene bag.		
Odor:	None	pH:	N / A
Vapor Pressure:	N / A	Vapor Density:	N / A
% Volatile by Volume:	98%	% Solid by Weight:	2%
Boiling Point:	N / A	Melting Point:	N / A
Specific Gravity:	Approx. 1.1 lbs/ft ³	Flash Point:	N / A
Evaporation Rate:	1	Solubility in Water:	soluble in cold water

Section 10: Stability and Reactivity

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	N / A
Incompatibility (materials to avoid):	Reactive with oxidizing agents
Hazardous Decomposition Products:	N / A

Section 11: Toxicological Information

General:	Gel is non-toxic.
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Section 12: Ecological Information

General:	This product itself and its products of degradation are non-toxic.
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Section 13: Disposal Considerations

Disposal:	Place in a suitable container for disposal. Product is to be 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		
Marine Pollutant:	Not regulated by 49 CFR 172.101.		

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.

Section 16: Other Information

Last Revision Date	1/27/2015	Preparation Date	1/4/2013
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Key to abbreviations	N/A	Not available or not applicable
	GHS	Globally Harmonized System
	NFPA	National Fire Protection Association
	GRAS	Generally Recognized as Safe (FDA listing)
	CAS	Chemical Abstracts Service
	DOT	U.S. Department of Transportation
	FDA	U.S. Food and Drug Administration
	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.