

MATERIAL SAFETY DATA SHEET

ICE BLANKET

Material Safety Data Sheet: May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

PRODUCT NAME: ICE BLANKET

SECTION I COMPANY INFORMATION

Cold Ice, Inc. Phone: 510-568-8129
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SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components		Other Limits	%
Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH	Recommended (Optional)
Manufacturer's Recommended Exposure Guideline for respirable particulate	-	-	0.05 mg/m ³

PRODUCT IDENTIFICATION

Ice Blanket is a refrigerant blanket, using a polyester film laminate layer bonded to a bicomponent non-woven fabric to form pockets containing superabsorbent polymer. The film (21 CFR 177.1520) and non-woven fabric (21CFR177.1630) comply with the referred regulations for use in food packaging. The superabsorbent polymer is sodium polyacrylate:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>%</u>
Sodium Polyacrylate, lightly crosslinked	076774-25-9	92 to 98
Water	7732-18-5	2 to 8
Hydrophobic Silicon Dioxide, amorphous	68611-44-9	0 to 0.3
Acrylic Acid	79-10-7	<0.08

NFPA/HMIS: Health – 1 Fire – 0 Reactivity – 0 Specific Hazard – None
Dot Class: Not Regulated

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	Not Applicable	Bulk density (Apparent g/cc)	0.7
Vapor Pressure (mm Hg.)	Not Applicable	Melting Point	Not Applicable
Vapor Density (Air = 1)	Not Applicable	Evaporation Rate (Butyl Acetate = 1)	Not Applicable
Appearance and Odor	Off White. Odorless		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not Available		
Flammable Limits	Not Available	LEL	UEL

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Extinguishing Media	As with fire, wear positive pressure, self-contained breathing apparatus in any closed space when fighting fires.
Unusual Fire and Explosion Hazards	Becomes slippery when wet. Under certain conditions, a fine dust of this material in air may cause a dust explosion if ignited.

SECTION V REACTIVITY DATA

Stability	Unstable		Conditions to avoid-None Known
	Stable	X	
Incompatibility (Materials to Avoid)	Strong Oxidizers		
Hazardous Decomposition or By-products	Thermal Decomposition: CO, CO ₂ , Hydrocarbons		
Hazardous Polymerization	May Not Occur	X	Conditions to avoid-None Known

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry (dry):	<u>Inhalation? Yes</u>	<u>Skin? Yes</u>	<u>Ingestion? Yes</u>
Health Hazards (Acute and Chronic)	Contact with eyes, skin or clothing may cause irritation. Care must be taken to minimize exposure and prevent workplace inhalation of respirable dust. Respiratory protection is required for exposures above the minimum level of respirable dust. A similar product, ground very finely, produced an inflammatory tissue response in the lungs in a life-time exposure inhalation experiment with animals. According to the EPA "Hazard Categories" under sections 311 and 312 of SARA Title III, this product is considered to meet the applicable definition of: A delayed health hazard.		
Carcinogenicity: Signs and Symptoms Of Exposure	<u>NTP? No</u>	<u>IARC Monographs? No</u>	<u>OSHA Regulated: No</u>
	Slight irritant effects		
Medical Conditions Generally Aggravated By Exposure	None Known		
Emergency and First Aid Procedures	Eyes: Flush with large quantities of water, consult physician. Skin: Wash with soap and water Inhalation: Remove to fresh air, consult physician.		

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SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Vacuum (using HEPA filter equipped system) if possible to avoid generating airborne dust. Avoid adding water; the product will become slippery when wet.

Waste Disposal Method: Dispose of in accordance with federal, state and local regulations.

Precautions to be taken in Handling and Storing: Store in a cool, dry place. Avoid breathing powder. Avoid skin and eye contact.

Other precautions: Slippery when wet.

SECTION VIII CONTROL MEASURES

Respiratory Protection: Use NIOSH/MSHA approved or equivalent with high efficiency filter for particulate levels above 0.05 mg/m³.

Ventilation: Local Exhaust – As appropriate to control airborne dust levels below the applicable exposure limits.

Protective Gloves: Impervious/rubber
Safety goggles

Other Protective Clothing or
Equipment: None

Work/Hygienic Practices: Use good housekeeping practices.

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, Cold Ice, Inc. can not give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.