



# Material Safety Data Sheet

## Ice Blanket

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

### IDENTIFICATION OF PRODUCT AND COMPANY

Product name: Cold Ice +30 Gel Ice

Company: Cold Ice, Inc.  
 9999 San Leandro Street  
 Oakland, CA 94603

Emergency Telephone Number: 1-800-525-4435  
 Emergency Fax Number (510) 568-2355

### HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<b>Hazardous Components</b>	<b>Other Limits</b>			<b>%</b>
Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH	Recommended	(Optional)
Manufacturer’s Recommended Exposure Guideline for respirable particulate	-	-	0.05 mg/m3	

### 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

**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	

**FIRE AND EXPLOSION HAZARD DATA**

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

**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, CO2, Hydrocarbons	
Hazardous Polymerization	May Not Occur	X Conditions to avoid-None Known

**HEALTH HAZARD DATA**

Route(s) of Entry (dry):	<u>Inhalation?</u> Yes	<u>Skin?</u> Yes	<u>Ingestion?</u> Yes
Health Hazards (Acute and Chronic)	<p>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.</p> <p>A similar product, ground very finely, produced an inflammatory tissue response in the lungs in a life-time exposure inhalation experiment with animals.</p> <p>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.</p>		
Carcinogenicity: Signs and Symptoms of Exposure	<u>NTP?</u> No	<u>IARC Monographs?</u> No	<u>OSHA Regulated:</u> No
	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.

**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.

**CONTROL MEASURES**

Respiratory Protection:	Use NIOSH/MSHA approved or equivalent with high efficiency filter for particulate levels above 0.05 mg/m <sup>3</sup> .
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.

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