

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: (602) 234-8873

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## I - Product Identification

### Dry Heat

PRODUCT CODE: 0600

CHEMICAL FORMULATION: Inorganic ice melting agent.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX	OSHA	ACGIH	EPA 40 CFR:			CAS #
	%	PEL	TLV	302	355	372	
Calcium chloride	90.0-95.0	N/E	N/E	N	N	N	10043-52-4
Sodium chloride	1.00-5.00	N/E	N/E	N	N	N	7647-14-5
Potassium chloride	1.00-5.00	N/E	N/E	N	N	N	7447-40-7
Strontium chloride	< 2.00	N/E	N/E	N	N	N	10476-85-4

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): 388

SPECIFIC GRAVITY (WATER = 1): N/A

VAPOR PRESSURE (mm Hg): 0.009 at 20°C

VOC CONTENT (% by weight): N/A

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE (WATER = 1): N/A

SOLUBILITY IN WATER: Soluble

pH: N/A

APPEARANCE AND ODOR: White to off-white solid pellets.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A

(TEST METHOD): None

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: None.

PRODUCT NAME: Dry Heat

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### V - Reactivity Data

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**STABILITY:** Stable

**INCOMPATIBILITY:** Corrodes metals.

**CONDITIONS TO AVOID:** Decomposes at > 350°F.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

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### VI - Health Hazard Data

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**ROUTES OF ENTRY    INHALATION:                      EYE CONTACT: X                      SKIN CONTACT:                      INGESTION:**  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.  
**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Moderate to severe irritation and redness, possible corneal injury. The heat from product dissolving may cause thermal burns.

**IF ON SKIN:** Redness, irritation, burns with prolonged or repeated exposure.

**IF SWALLOWED:** Gastrointestinal irritation, nausea, cramps, vomiting.

**IF INHALED:** Dusts cause irritation to upper respiratory tract.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**IF ON SKIN:** Flush with water. If irritation persists, obtain medical attention.

**IF SWALLOWED:** Contact physician or poison control center immediately. Give affected person several glasses of water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything to an unconscious person.

**IF INHALED:** Remove person to fresh air.

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### VII - Spill or Leak Protection

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Scoop up material for reuse.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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### VIII - Special Protection Information

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. Do not breathe dusts.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** None.

**EYE PROTECTION:** Safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** None.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

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### IX - Transportation Information (ground transportation only)

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**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT ID NUMBER:** None

**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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**Prepared by:** PMR

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