

# MATERIAL SAFETY DATA SHEET

Total Solutions  
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GENERAL INFORMATION NUMBER: (414) 354-6417  
CHEMTREC: (800) 424-9300

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## I - Product Identification

### Pellet Deicer

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.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Calcium chloride	90.0-97.0	N/E	N/E	N	N	N	10043-52-4
Sodium chloride	1.00-2.00	N/E	N/E	N	N	N	7647-14-5
Potassium chloride	2.00-3.00	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

VAPOR PRESSURE (mm Hg): 0.009 at 20°C

VAPOR DENSITY (AIR = 1): N/A

SOLUBILITY IN WATER: Soluble

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

SPECIFIC GRAVITY (WATER = 1): 2.2

VOC CONTENT (% by weight): 0.0

EVAPORATION RATE (WATER = 1): N/A

pH: N/A

## 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.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Calcium chloride will: corrode most metals exposed to air; attack aluminum (and its alloys) and yellow brass; react with sulfuric acid to form hydrogen chloride which is corrosive, irritating, and reactive; give an exothermic reaction with water-reactive materials such as sodium; (and, in solution form react with zinc (galvanizing) to yield hydrogen gas which is explosive. Calcium chloride will result in a runaway polymerization reaction with methyl vinyl ether.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not applicable.

**HAZARDOUS POLYMERIZATION:** 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:** May cause moderate to severe eye irritation with corneal injury, which may be slow to heal. When dissolving, the heat produced may cause more intense effects as well as thermal burns.

**IF ON SKIN:** Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp and/or abraded, or if material is confined to skin.

**IF SWALLOWED:** Ingestion may cause gastrointestinal irritation or ulceration. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury..

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

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush under eyes and 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. 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.

**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 ID NUMBER:** None

**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** 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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