

# MATERIAL SAFETY DATA SHEET

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## 1. Product and Company Identification

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**Product Name:** White Heat Calcium Chloride Flake

**Product Use:** Deicer/Anti-icer

**Company Identification:** Schoenberg Salt Company Inc.  
Deicing Division  
P.O. Box 128  
Oceanside, NY 11572  
1-800-221-5105

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## 2. Composition / Information on Ingredients

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<b>Ingredient(s):</b>	<b>CAS#</b>	<b>Percent (%)</b>
Calcium Chloride	10043-52-4	>83 - <87
Water	7732-18-5	>8 - <14
Potassium Chloride	7447-40-7	>2 - <3
Sodium Chloride	7647-14-5	>1 - <2

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## 3. Hazards Identification

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**OSHA REGULATORY STATUS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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## 4. First Aid Measures

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**First aid procedures:**

**Eye Contact:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention.

**Skin Contact:** Brush away excess of dry material. Flush with water. Obtain medical attention.

**Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

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**Ingestion:** Rinse mouth with water, and then drink one or two glasses of water. Obtain medical attention.

**General Advice:** Not Available

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## 5. Fire Fighting Measures

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**Flammable properties:** None-flammable

**Auto-Ignition Temperature:** Not Applicable

**Flash Point:** Not Applicable

**Flammable Limits:** Not Applicable

**Products of Combustion:** Not Available

**Fire Hazards in Presence of Various Substances:** Not Applicable

**Fire Fighting Media and Instructions:** Not Available

**Special Remarks on Fire Hazards:** Not Available

**Special Remarks on Explosion Hazards:** Not Available

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## 6. Accidental Release Measures

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**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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## 7. Handling and Storage

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**Precautions:** Avoid contact with skin and eyes.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

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## 8. Exposure Control / Personal Protection

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<b>Exposure limits:</b>	Not Available
<b>Engineering control:</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<b>Personal protective equipment</b>	No special protection is normally required. However if the operating conditions create a high airborne concentration, please use the following approved protective equipments.
<b>Eye / face protection:</b>	Safety glasses.
<b>Hand protection:</b>	Rubber gloves. Confirms with reputable suppliers first.
<b>Skin and body protection:</b>	As required by employer code.
<b>Respiratory protection:</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator or NIOSH-approved filtering facepiece.
<b>General hygiene considerations:</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

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## 9. Physical & Chemical Properties

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<b>Appearance:</b>	Flake
<b>Color:</b>	White
<b>Form:</b>	Flake
<b>Odor:</b>	Odorless
<b>Physical state:</b>	Solid
<b>pH:</b>	Not Applicable
<b>Melting point:</b>	Not Available
<b>Boiling point:</b>	Not Available
<b>Flash point:</b>	Not Available
<b>Evaporation rate:</b>	Not Available
<b>Flammability limit in air, lower, % by volume:</b>	Not Applicable
<b>Flammability limit in air, upper, % by volume:</b>	Not Applicable
<b>Vapor pressure:</b>	Not Applicable
<b>Vapor density:</b>	Not Available
<b>Specific gravity:</b>	1.2 (H <sub>2</sub> O=1)

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**Solubility (H<sub>2</sub>O):** Partially soluble in water  
**Auto-ignition temperature:** Not Available  
**Percent volatile:** Not Available

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## 10. Chemical Stability & Reactivity Information

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**Reactivity:** Hygroscopic. Liberates large amounts of heat when dissolving in water or aqueous acids.  
**Chemical stability:** Stable under recommended storage conditions.  
**Instability Temperature:** Not Available  
**Conditions of Instability:** Not Available  
**Incompatibility with various substances:** Not Available  
**Polymerization:** Will not occur.

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## 11. Toxicological Information

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**Toxicity Data:**

**LD50 Oral:** 1126 mg/kg – Oral Acute Toxicity Estimate  
**LD50 Dermal:** 2637 mg/kg – Dermal Acute Toxicity Estimate

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## 12. Ecological Information

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**Ecotoxicity:** Not Available  
**BOD<sub>5</sub> and COD:** Not Available  
**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

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**Special Remarks on the Products :  
of Biodegradation:** Not Available

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## 13. Disposal Considerations

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**Waste codes** Not Available  
**Disposal instructions** Waste must be disposed of in accordance with federal, state/provincial and local environmental regulations.  
**Waste from residues / unused products** Not Available  
**Contaminated packaging** Not Available

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## 14. Transport Information

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**Department of Transportation** Not regulated as hazardous goods.  
**Transportation of Dangerous** Not regulated as dangerous goods.

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## 15. Regulatory Information

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**OSHA Regulatory Status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

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## 16. Other Information

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**Disclaimer** Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instrument. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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