

Knox® Ice Melter

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 10/25/2014 Date of issue: 10/25/2014

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Knox Ice Melter

1.2. Intended Use of the Product

Use of the substance/mixture: Anti-icing and deicing

1.3. Details of the Supplier of the Safety Data Sheet

Knox Fertilizer Company, Inc.

P.O. Box 248

Knox, IN 46534

TEL: 574-772-6275

1.4. Emergency Telephone Number

Emergency Number: CHEMTREC 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Non-Hazardous: Physical – Health – Environment

2.2. Label Elements

None Required

2.3. Other Hazards

Other Hazards: No additional information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture (Exact percentages of ingredients are being withheld as a trade secret)

Name	Product identifier	%	Classification (GHS-US)
Sodium Chloride	(CAS No) 7647-14-5	0.0 - 100	Not classified
Potassium Chloride	(CAS No) 7447-40-7	0.0 - 5	Not classified

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: If medical advice is needed, have product container or label at hand.

First-aid Measures After Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms/Injuries After Inhalation: Overexposure to dust may be slightly irritating to the respiratory system.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Immediate medical attention is not required.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Not considered flammable. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: None known.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Thermal decomposition may yield hydrogen chloride, halogenated compounds and chlorine gas

Explosion Hazard: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

Reactivity: This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

5.3. Advice for Firefighters

Firefighting Instructions: Not flammable.

Protection During Firefighting: Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)

Other information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice. This material becomes slippery when wet.

6.1.1. For Non-emergency Personnel

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

Emergency Procedures: Collect as any solid. Ventilate area. Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

Emergency Procedures: If possible, stop flow of product. Contain and collect as any solid. Ventilate area.

6.2. Environmental Precautions

Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Methods for Cleaning Up: Recover the product by vacuuming, shoveling or sweeping. Avoid generation of dust during clean-up of spills. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered. Material may be used if uncontaminated.

6.4. Reference to Other Sections: No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: This material becomes slippery when wet.

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment. Avoid creating or spreading dust.

Hygiene Measures: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

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7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture.

Prohibitions on mixed storage: Refer to Section 10 on Incompatible Materials.

Special Rules on Packaging: Corrosive to some metals.

7.3. Specific End Use(s)

Anti-icing and deicing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Guidelines	
Sodium Chloride (CAS No.) 7647-14-5	None Established
Potassium Chloride (CAS No.) 7447-40-7	None Established

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. For particulates and dust: Safety glasses.



Hand Protection: Protective Gloves.

Eye Protection: Safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Environmental Exposure Controls: Ensure adequate ventilation, especially in confined areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State:	Solid.
Appearance:	Crystals.
Color:	White to Off-White
Odor:	Slight. Pungent.
Odor Threshold:	N/A
pH:	N/A
pH solution:	N/A
Relative Evaporation Rate (butylacetate=1):	N/A
Melting Point:	N/A
Freezing Point:	N/A
Boiling Point:	N/A
Flash Point:	N/A
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Flammability (solid, gas):	No data available
Vapor Pressure:	N/A
Relative Vapor Density at 20° C:	No data available
Relative Density:	No data available
Density:	45 (45-65) lb/ft ³
Solubility: Water:	Highly soluble
Partition coefficient: n-octanol/water:	No data available
Viscosity:	N/A

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9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

10.2. Chemical Stability: Stable at standard temperature and pressure.

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4. Conditions to Avoid: Protect from moisture. Keep away from heat.

10.5. Incompatible Materials: May form explosive mixture if in contact with strong acid such as nitric or perchloric acids. Avoid contact with: Strong oxidizers. Strong acids, bases. Nitrates. Hypochlorites. Perchlorates. Chlorides. Corrosive to some metals.

10.6. Hazardous Decomposition Products: Thermal decomposition may yield hydrogen chloride, halogenated compounds and chlorine gas.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Ingestion: Ingestion may cause slight irritation.

Inhalation: Inhalation of dusts may cause slight irritation of the nose, throat and upper respiratory tract.

Skin Irritation: May cause slight skin irritation on prolonged or repeated contact.

Eye Irritation: May cause slight eye irritation.

Skin Sensitization: Not known to cause sensitization.

Respiratory: May cause respiratory irritation.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: No data Available

12.2. Persistence and Degradability: Biodegradation not applicable to inorganic substances

12.3. Bioaccumulative Potential: No data available

12.4. Mobility in the Soil: No data available

12.5. Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT: Not regulated for transport

14.2. In Accordance with IMDG: Not regulated for transport

14.3. In Accordance with IATA: Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

TSCA Inventory: All of the ingredients in this product are listed on United States TSCA (Toxic Substances Control Act) inventory.

CERCLA: This product is not subject to CERCLA release reporting. Many States have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

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SARA Hazard Category (311/312): Not Hazardous

SARA 313: This product does **not** contain chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372)

SECTION 16: OTHER INFORMATION

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

NFPA RATING: Health = 0 Flammability = 0 Instability = 0

HMIS RATING: Health = 1 Flammability = 0 Physical Hazard = 0

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