

Safety Data Sheet

Mined Rock Salt

Independent Salt Company
Kanopolis, Kansas
July 1, 2018

Section 1: Product Identification & Company Identification

Product Identifier	Sodium Chloride
Synonyms	Salt, Rock Salt, Halite
Recommended Use	Agricultural use for livestock feed, as well as deicing.
Restrictions	None known.
Manufacturer	Independent Salt Company 1126 20 th Road PO Box 36 Kanopolis, KS 67454 785-472-4421

Section 2: Hazards Identification

Physical Hazards	Not Classified
Health Hazards	Not Classified
Environmental Hazards	Not Classified
OSHA Defined Hazards	Not Classified
Label Elements	
Hazard Symbol	None
Signal Word	None
Hazard Statement	Not classified

Precautionary Statement

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials. (Water or items prone to oxidation.)
Disposal	Naturally occurring substance, observe local laws.

Section 3: Composition & Information on Ingredients

Sample Chemical Composition for Salt Mined at our plant:

Moisture	0.15 %
Dry Matter	99.85 %
Calcium	0.6255 %
Magnesium	0.1254 %
Sulfate	1.4867 %
Iron	0.0426 %
Acid Insolubles	0.7748 %
Ferric Oxide	0.0609 %
Water Insolubles	1.7282 %
Calcium Chloride	0.0173 %
Calcium Sulfate	2.1035 %
Magnesium Chloride	0.9821 %
Sodium Chloride	
Per ASTM E 534-91	95.0189 %

Section 4: First Aid Measures

Inhalation	Avoid breathing dust. If breathing is difficult, remove to fresh air.
Skin Contact	Rinse skin with water. Seek medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Seek medical attention if irritation develops and persists.
Ingestion	If large quantities are ingested, call physician.

Most Important	
Symptoms, acute	
And delayed	Direct contact with eyes may cause temporary irritation.

Indication of	
Immediate	
Medical attention	
Needed	Treat symptomatically.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Salt is noncombustible.
Unsuitable extinguishing Media	Not applicable
Specific hazards arising From the chemical	Not applicable
Special protective Equipment and Precautions for Firefighters	Use appropriate firefighting protective equipment as a general precaution.
Fire-fighting Equipment & Instructions	Salt is not combustible.
Specific Methods	Not Applicable.
General Fire Hazards	Salt is not combustible.
Hazardous Combustion Products	None
Explosion Data	Not applicable

Section 6: Accidental Release Measures

Personal precautions, Protective equipment, and emergency Procedures	Wear suitable clothing, gloves, and eye protection. Stop leak if you can do so without risk. Keep unauthorized personnel away. Use normal clean up procedures.
Environmental Precautions	No environmental risks are present.
Containment and Clean up	Carefully shovel or sweep spilled material and place in an appropriate container.

Section 7: Handling & Storage

Safe Handling Precautions

Avoid breathing dust.

Safe Storage

Store in an appropriate container.

Section 8: Exposure Controls & Personal Protection

Occupational Exposure Limits

none

Biological Limit Values

none

Appropriate Engineering Controls

TWA PEL No specific limits have been established for sodium chloride.

TWA TLV No specific limits have been established for sodium chloride.

Individual Protection Measures

Eye/Face

Safety glasses if eye contact is possible.

Skin Protection

If constant skin contact occurs, wear suitable gloves and clothing.

Respiratory

No personal respiratory equipment is normally required.

Thermal Hazards

None

Hygiene

Considerations

Observe normal hygiene practices

Section 9: Physical & Chemical Properties

Material Description

Physical Form

Solid

Appearance

Colorless to white crystalline with black specks.

Odor

Odorless

Particulate Type

Crystalline

Particulate Size

Powder to small

Odor Threshold

Not Applicable

General Properties

Boiling Point	1413 degrees Centigrade. 2575 Fahrenheit.
Melting Point	801 degrees Centigrade. 1474 Fahrenheit.
Decomposition Temperature	No data.
Ph	Approximately 7
Specific Gravity/ Relative Density	2.165 Water = 1
Bulk Density	Varies
Water Solubility	Soluble 0.36 g/cc @ 20 degrees centigrade, and 68 degrees Fahrenheit.
Viscosity	Not Applicable
Explosive Properties	None
Oxidizing Properties	Varies

Volatility

Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Evaporation Rate	Not Applicable

Flammability

Flash Point	Not Applicable
UEL	Not Applicable
LEL	Not Applicable
Auto-ignition	Not Applicable
Flammability	Not Flammable

Environmental

Octanol/Water Partition Coefficient	Not Applicable
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Section 10: Stability & Reactivity

Reactivity	None known
Hazardous Reactivity?	No dangerous reactivity known.
Stability	Material is stable
Conditions to avoid	Contact with strong oxidizing agents.
Incompatible Materials	Strong oxidizing agents.
Hazardous decomposition Products	Chlorine gas, Hydrogen Chloride.

Section 11: Toxicological Information

Information on likely methods of exposure

Ingestion	Low ingestion hazard.
Inhalation	No adverse effects due to inhalation.
Skin Contact	No adverse effects due to skin contact.
Eye Contact	Direct contact with eyes may cause temporary irritation.

The classification criteria **is not met** on either EU/CLP or OSHA on **any** of the following items.

Acute toxicity
Aspiration Hazard
Carcinogenicity
Germ Cell Mutagenicity
Skin corrosion/irritation
Skin Sensitization
STOT-RE
STOT-SE
Toxicity for Reproduction
Respiratory sensitization
Serious eye damage/irritation

Section 12: Ecological Information

Eco toxicity	This product is not classified as environmentally hazardous.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility in soil	No data available.
Mobility in general	No data available.
Other adverse environmental effects	None

Section 13: Disposal Considerations

Product Waste	Dispose of content and or container in accordance with local, regional, and national regulations.
Packaging Waste	Dispose of content and or container in accordance with local, regional, and national regulations.

Section 14: Transport Information

This product is **not** regulated as a “dangerous good” by either the United States Department of Transportation or the TDG (Transportation of Dangerous Goods) in Canada.

Section 15: Regulatory Information

U.S. Federal Regulations	This product is on the U.S. EPA TSCA Inventory listed and is not recognized to be a hazardous chemical.
TSCA Section 12(b) Export notification (40 CFR 707, Subpt. D)	Not regulated.
Cercla Hazardous Substance List (40 CFR 302.4)	Not listed.
Clean Air Act Section 112 Accidental Release Prevention (40 CFR 68.130)	Not regulated.
Clean Air Act Section 112 Hazardous Air Pollutants List	Not regulated.
Superfund Amendments & Reauthorization act of 1986	
Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No
Sara 302 Extremely Hazardous Substance	No

**Sara 311/312/31
Hazardous Chemical**

Not Recognized as a hazardous chemical and not regulated.

Safe Water Drinking Act

Not regulated.

Food & Drug Administration

Not regulated.

Section 16: Other Information

None



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SECTION 1: Identification of Product/Mixture and of the Company

Product Form: Substance: Liquid Mixture

Product Name: Turbo Melt

Product Use: De-icing, Anti-Icing, NaCl Treatment

Manufacture: T.C. Winter Services
P.O. Box 418
Zimmerman, MN 55398

CAS No. No CAS number associated; see section No. 2 for component CAS No.

Synonyms: Turbo Melt, Turbo

Intended Use of Product: Anti-Icing, Deicing, NaCl Treatment

Responsible Party: T.C. Winter Services
P.O. Box 418
Zimmerman, MN 55398

Telephone: 763-420-0927 Extension 4

24 Hour Emergency Contact: 763-222-9378

WHMIS Classification: Not Controlled

Chemical Family: None (BWS)

SECTION 2: Hazards Identification

Classification of the Substance or Mixture

GHS-US Classification: Not Hazardous

Label Elements	Physical	Health	Environment
GHS-US Labeling	Not Hazardous	Not Hazardous	Not Hazardous
Hazard Pictograms (GHS-US)	Not Hazardous	Not Hazardous	Not Hazardous

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	Concentration %
Magnesium Chloride	CAS No. 7786-30-3	50-60%
BWS	N/A	50-60%
Water	CAS No. 7732-18-5	4%



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SECTION 4: First Aide Measures

First - Aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Route of Entry	Health Hazard	Effect of Exposure to Material	Fist Aide
Eyes	Yes	May cause irritation to eyes and lids.	Flush eyes with water for 10 minutes. If persist seek medical attention.
Skin	Yes	May cause slight irritation.	Wash with mild soap and water.
Inhalation	Unlikely – Only in the form of a mist	Spray mist may cause irritation of nasal and bronchial passages.	Move to fresh air.
Ingestion	Unlikely – bitter taste, emetic properties	May cause vomiting and tissue irritation.	Rise with water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injury:	Eye irritant
Symptoms/injury after inhalation:	May cause irritation
Symptoms/injury after ingestion:	May cause vomiting
Symptoms/injury after eye contact:	Causes eye irritation

SECTION 5: Fire Fighting Measures

Extinguishing Media

Suitable extinguishing media:	This is a non-combustible product. Appropriate media should be determined by surrounding fire. All forms of extinguishing Medias are allowed.
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Specific Hazards arising from the chemical:	Solution may cause surfaces to become extremely slippery and cause a slip hazard. May emit Chloride gases above 325 F®
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Advice for Firefighters

Firefighting instructions:	Exercise caution when fighting any chemical fire.
Protection during firefighting:	Firefighters should wear full protective gear. Do not enter fire area without protective equipment, including but not limited to respirator protection



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SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

General Measures:	Care should be taken as the area may become extremely slippery causing a slipping hazard
Spills:	Small spills can be rinsed away with water. Larger spills should be surrounded to contain liquid and either vacuumed up or absorb liquid with absorbent and place in an appropriate container for disposal. Rinse spill area well.
Environmental Concerns:	None

SECTION 7: Handling and Storage

Precautions for safe handling:	Wear goggles and gloves, avoid contact with eyes, skin and clothing. Care should be exercised as not to breathe in spray mist. Wash your hands after handling to prevent from spreading into eyes or skin.
Precautions for safe storage:	Store in a well ventilated area. Avoid contact with aluminum and brass for storage. Carbon steel, polypropylene and most plastics are suitable containers.

SECTION 8: Exposure Controls/Personal Protection

Exposure control:	No special or engineered controls required
Respirator protection:	For areas not well ventilated a NIOSH approved mask is recommended.
Skin protection:	Use of rubber gloves and long sleeve shirts are recommended.
Eye protection:	Use of safety glasses are recommended.

SECTION 9: Physical and Chemical Properties

Physical Properties

Physical state:	Liquid
Odor and Appearance:	Brown Liquid
Specific Gravity:	1.22-1.29
Evaporation Rate:	Slightly Less than Water
Boiling Point:	Approximately 221°F
Freezing Point:	< -140° F
Solubility:	Soluble in water
PH:	4.5-7
Odor threshold, vapor density, vapor pressure and % volatile:	No Data



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SECTION 10: Stability and Reactivity

Reactivity/Chemical Stability:	Not known to be reactive, Remains stable under typical storage conditions.
Incompatible materials:	Attacks aluminum, brass, strong oxidizers and some soft metals
Decomposition Products:	Product may release chloride gases above 325° F

SECTION 11: Toxicological Information

Ingestion:	Ingestion may cause nausea, vomiting and possibly diarrhea.
Inhalation:	Inhalation of spray mist may cause slight irritation to nasal, throat and bronchial passages.
Eye:	May cause irritation and tearing
Skin:	May cause irritation and rash on extended exposure
Carcinogenicity:	No component is listed as a carcinogen
Reproductive Toxicity:	None
Oral LD50:	8,100 mg/kg
Appraisal:	The material is classified as non-toxic

SECTION 12: Ecological Information

ECO toxicity:	Fathead minnow NOEC: 1.0g/L Selenastrum growth NOEC: 2.0 g/L Ceriodaphnia dubia NOEC 1.0 g/L
Persistence and degradability:	N/A
Bio-accumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	None known

SECTION 13: Disposal Considerations

Material is water soluble & non-toxic, however, dispose of in accordance with local, state and federal regulations.

SECTION 14: Transportation Information

Shipping Name:	Not Required
UN Number:	N/A
Hazard class/Packing group:	N/A
Label Required:	None



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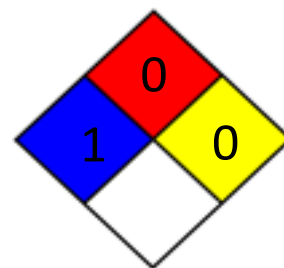
Prepared August 11, 2023

SECTION 15: Regulatory Information

CERCLA:	This material is not subject to CERCLA release reporting. Spill reports are required under Federal, state and local regulations
SARA Hazard category:	Not a Hazardous material
EPA TSCA Inventory:	All components in this material are listed on the EPA TSCA Inventory
WHMIA:	Not classified as dangerous or a hazard.

SECTION 16: Other Information

Authoring Date:	08/11/2023 in accordance with CFR 1910.1200
Prepared by:	T.C. Winter Services P.O. Box 418 Zimmerman, MN 55398
NFPA health Hazard:	1 - Exposure could cause irritation but only minor residual injury even if no treatment is given
NFPA Fire Hazard:	0 - Non combustible
NFPA Reactivity:	0 - Normally stable, even under fire exposure conditions, and is not reactive with water.
HMIS III Rating:	
Health:	1 - Slight Hazard - Irritation or minor reversible injury possible
Flammability:	0 - Minimal Hazard
Physical:	0 - Minimal Hazard



This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.