

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MVP Treated De-icer
Product Name: MVP Treated De-icer
Synonyms: None
Company Name: Midwest Salt, LLC - 1300 W. Washington Street West Chicago, IL 60185
Web site address: www.midwestsalt.com
Emergency Contact: Product Related (630)513-7575
Information: Toll Free (877)506-6020

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2B

Skin Corrosion/Irritation, Category 2



GHS Signal Word: Warning

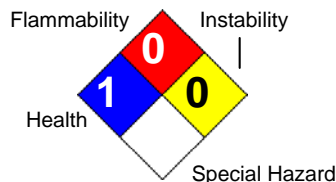
GHS Hazard Phrases: Causes skin and eye irritation.
Harmful if swallowed.

GHS Precaution Phrases: Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not eat, drink or smoke when using this product.
Keep out of reach of children.

GHS Response Phrases: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation persists, get medical advice/attention.
Take off contaminated clothing.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.

GHS Storage and Disposal Phrases: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard Rating System:



Potential Health Effects (Acute and Chronic):

Inhalation: May be harmful if inhaled. Inhalation of dust may cause respiratory tract irritation.
Skin Contact: May cause skin irritation. May be harmful if absorbed through the skin.
Eye Contact: Contact with eyes may cause severe irritation, and possible eye burns.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7647-14-5	Sodium chloride	75.0 -85.0 %
10043-52-4	Calcium chloride	10.0 -15.0 %
7791-18-6	Magnesium chloride	1.0 -3.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear. Get medical aid immediately.
In Case of Inhalation:	
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Get medical aid. Wash clothing before reuse.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses if present and easy to do. If irritation develops, get medical aid.
In Case of Ingestion:	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. For further assistance, contact your local Poison Control Center 1-800-222-1222.
Note to Physician:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or chemical foam.
Fire Fighting Instructions:	Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. May be combustible at high temperatures. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
Flammable Properties and Hazards:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment. Clean up spills immediately, observing precautions in the Protective Equipment section.
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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash hands thoroughly after handling. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Wash clothing before reuse. Always use cool water when dissolving calcium chloride. Heat evolved is significant.
Precautions To Be Taken in	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from

Storing: incompatible substances, inaccessible to children and domestic animals. Store protected from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7647-14-5	Sodium chloride	PEL: PNOR 15 Total 5 Resp. mg/m3	TLV: PNOS 10 Inhalable 3 Resp. mg/m3	No data.
10043-52-4	Calcium chloride	PEL: PNOR 15 Total 5 Resp. mg/m3	TLV: PNOS 10 Inhalable 3 Resp. mg/m3	No data.
7791-18-6	Magnesium chloride	No data.	No data.	No data.

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Work/Hygienic/Maintenance Practices: Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [] Liquid [X] Solid	
Appearance and Odor:	Appearance: Green Crystals.	
Melting Point:	No data.	
Boiling Point:	No data.	
Autoignition Pt:	No data.	
Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	No data.	
Percent Volatile:	No data.	

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: High temperatures, dust generation, Exposure to water or moist air.

Incompatibility - Materials To Avoid: Metals. Strong oxidizing agents, Strong acids, bromine trifluoride, nitrogen compounds, Solutions attack some metals in the presence of moisture.

Hazardous Decomposition Or Byproducts: Hydrogen chloride, sodium oxide. Calcium oxide, chlorine.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: CAS# 7647-14-5: Sodium chloride:
Acute toxicity, LD50, Oral, Rat, 3000. MG/KG.
Acute toxicity, LD50, Skin, Rabbit, 10000. MG/KG.
Acute toxicity, LC50, Inhalation, Rat, 42000. MG/M3, (60 Min).
CAS# 10043-52-4: Calcium chloride:
Acute toxicity, LD50, Oral, Rat, 1000. MG/KG
Acute toxicity, LD50, Dermal, Rabbit, 5000. MG/KG.
CAS# 7791-18-6: Magnesium chloride:
Acute toxicity, LD50, Oral, Rat, 8100. MG/KG.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7647-14-5	Sodium chloride	n.a.	n.a.	n.a.	n.a.
10043-52-4	Calcium chloride	n.a.	n.a.	n.a.	n.a.
7791-18-6	Magnesium chloride	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
Physical: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Do not let product enter drains or waterways. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

GHS Classification: Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation
Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.

15. REGULATORY INFORMATION

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7647-14-5	Sodium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
10043-52-4	Calcium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
7791-18-6	Magnesium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No

16. OTHER INFORMATION

Revision Date: 10/05/2016

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

This Safety Data Sheet (SDS) is to be used as a reference to address the safe handling of the product. All statements, technical information and recommendations contained herein are to the best of our knowledge, reliable and accurate. This SDS is not intended to make any representation as to how the product will perform when used as intended. Nothing in this SDS is intended to be a representation or warranty by the manufacturer with regard to accuracy, safety, usefulness, technical information, materials, techniques, or practices. This product is sold "AS IS" and nothing in this SDS should be deemed to be a representation or warranty of any injury, loss, or damage of any kind sustained by, or arise from, the use of this product.