



# HotRock StormGuard Max

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 03/16/2026 Version: 1.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture

Product name : HotRock StormGuard Max

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Ice melt, parking lot deicing, sidewalk deicing

Uses advised against: Do not use for human or animal consumption

#### 1.3. Details of the supplier of the safety data sheet

Mid-American Salt  
4528 Hillegas Road  
Fort Wayne, IN 46818  
(260) 387-6170

#### 1.4. Emergency telephone number

Emergency number : (260) 387-6170

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Not classified

#### 2.2. Label elements

##### GHS-US labeling

No labeling applicable

#### 2.3. Other hazards

Contains calcium chloride. May cause mild irritation to eyes and skin.

#### 2.4. Unknown acute toxicity (GHS-US)

None of the ingredients in the mixture are of unknown toxicity

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable – product is a mixture

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Sodium Chloride	(CAS No) 7647-14-5	80-95*	Not classified
Calcium Chloride	(CAS No) 10043-52-4	1-8*	Acute Tox. 4 (Oral), H302
Magnesium Chloride (MgCl <sub>2</sub> ), Hexahydrate	(CAS No) 7791-18-6	1-6*	Not classified

\*The exact concentration has been withheld as a trade secret

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the product label where possible).

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.



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### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Contain all water used for fire-fighting to the greatest extent possible.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if significant quantities enter sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids. Strong oxidizers.

Incompatible materials : Moisture.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Particulates Not Otherwise Regulated (PNOR):

OSHA PEL (Total Dust): 15 mg/m<sup>3</sup>

OSHA PEL (Respirable Fraction): 5 mg/m<sup>3</sup>

ACGIH TLV (Inhalable Particles): 10 mg/m<sup>3</sup>



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### 8.2. Exposure controls

Appropriate engineering controls : Ensure that proper ventilation is provided.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Use NIOSH-approved N95 particulate respirator if dust levels exceed exposure limits or during bulk handling.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Mixture of blue crystals and white pellets

Color : Blue, White

Odor : Odorless

Odor threshold : Not applicable

pH : 6.5–8.0 (10% solution)

Melting point : No data available for mixture

Freezing point : Not applicable

Boiling point : No data available for mixture

Flash point : Not applicable

Relative evaporation rate (butyl acetate=1) : Not applicable

Flammability (solid, gas) : Nonflammable

Explosion limits : Not applicable

Explosive properties : Not explosive

Oxidizing properties : Not oxidizing

Vapor pressure : Negligible

Relative density : 2.16

Relative vapor density at 20 °C : Not applicable

Bulk density: Approximately 70–90 lb/ft<sup>3</sup>

Solubility : Soluble in water

Solubility in water: Highly soluble in water (no fixed NaCl value)

Log Pow : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

Viscosity : Not applicable

Viscosity, kinematic : Not applicable

Viscosity, dynamic : Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable under recommended handling and storage conditions. Product may generate heat upon dissolution in water due to the presence of Calcium Chloride

### 10.2. Chemical stability

Stable under normal conditions.



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### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Moisture, incompatible materials, and extreme temperatures.

### 10.5. Incompatible materials

Strong acids, strong oxidizers, and strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products are not expected.

May release irritating fumes under extreme thermal conditions; chlorine compounds may form only under reaction with strong acids or oxidizers.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure : Eye contact, skin contact, inhalation of dust, ingestion.

Symptoms: Dust may cause mild irritation to the eyes, skin, nose, throat, and respiratory tract. Ingestion of large quantities may cause nausea, vomiting, diarrhea, and electrolyte imbalance. Product may cause moderate eye irritation due to the presence of Calcium Chloride.

Acute toxicity: Not classified

Acute oral toxicity: Sodium chloride oral LD50 (rat): approximately 3000 mg/kg

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Large releases of sodium chloride may be harmful to aquatic organisms due to increased salinity.

LC50 (Fish): 10,650 mg/L (96 h, *Lepomis macrochirus*)

EC50 (*Daphnia magna*): 2,400 mg/L (48 h)

High concentrations may adversely affect aquatic life, vegetation, soil quality, and freshwater ecosystems.

### 12.2. Persistence and degradability

Inorganic material. Not biodegradable.

### 12.3. Bioaccumulative potential

No bioaccumulation expected.

### 12.4. Mobility in soil

Highly mobile in soil and water. May leach into groundwater depending on application and rainfall.

### 12.5. Other adverse effects

Avoid release to the environment. Elevated chloride levels may contribute to long-term soil and water salinity impacts.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local, state, and federal regulations.

Ecology -waste materials : Avoid release to the environment.



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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

#### Additional information

##### ADR

No additional information available

##### Transport by sea

Not regulated

##### Air transport

Not regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Sodium chloride (CAS No. 7647-14-5) is listed on the United States TSCA Inventory.  
This product does not contain substances subject to SARA Title III Section 313 reporting requirements.  
This product does not contain hazardous air pollutants under the Clean Air Act.

#### 15.2. International regulations

##### CANADA

Sodium chloride is listed on the Canadian Domestic Substances List (DSL).

##### EU-Regulations

No additional information available

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

California Proposition 65: This product is not known to contain chemicals currently listed under California Proposition 65.

### SECTION 16: Other information

#### HMIS Rating

Health: 1

Flammability: 0

Physical Hazard: 0

#### NFPA Rating

Health: 1

Flammability: 0

Instability: 0

SDS US (GHS HazCom 2012)

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