

SAFETY DATA SHEET

Section 1: Identification

Product Name: NanoMax™
Chemical Name/Synonyms: Acidified aqueous mineral salt solution
Restrictions on Use: Not for ingestion or food contact
Manufacturer: Chemical Reduction Solutions LLC
Address: 268 W Coleman Blvd, St 2D, Mount Pleasant, SC 29464
In emergency call 911.
For information about this SDS, use this department contact phone#: (608) 807-4091

Section 2: Hazard(s) Identification

Hazard Classification: Skin Irritation Category 2; Eye Irritation Category 2A
Signal Word(s): Warning
Hazard Statements: Causes skin irritation. Causes serious eye irritation.
Pictograms:



Precautionary Statements: Avoid contact with skin and eyes. Wear protective gloves and eye protection.

Section 3: Composition/ Information on Ingredients

Chemical Name	CAS#	Conc.
Sulfuric acid	7664-93-9	<6%
Iron sulfate	7720-78-7	.5-5%,
Aluminum sulfate	10043-01-3	.5-5%,
Magnesium sulfate	7487-88-9	<3%,
Potassium sulfate	7778-80-5	<3%,
Other minerals / trace constituents	Various	<1% each
Water	7732-18-5	balance

Exact formulation withheld as trade secret. Sulfuric acid is present primarily in mineral-bound form; free acid content is limited.

Section 4: First-Aid Measures

After skin contact: Wash with soap and water.

After eye contact: Rinse cautiously with water for at least 15 minutes.

After inhalation: Move to fresh air.

After swallowing: Rinse mouth. Do not induce vomiting.

Section 5: Fire-Fighting Measures

Flash Point: Not applicable

Flammability: Non-flammable

Suitable Extinguishing Media: Use media appropriate for surrounding fire

Hazardous Combustion Products: None known

Section 6: Accidental Release Measures

Absorb with inert material. Avoid contact with skin and eyes during cleanup.

Neutralize if necessary using suitable alkaline material.

Dispose of in accordance with local regulations.

Section 7: Handling and Storage

Handling:

- Avoid splashing and prolonged contact
- Use appropriate personal protective equipment

Storage:

- Store in compatible containers
- Keep indoors, away from incompatible materials

Section 8: Exposure Controls/Personal Protection

Eye Protection: Chemical safety goggles

Skin Protection: Protective gloves

Respiratory Protection: Not normally required

Engineering Controls: Adequate ventilation

Section 9: Physical and Chemical Properties

Form: Light amber to pale brown liquid

Odor: Mild, non-characteristic

Odor threshold: Not determined

pH: 2.0

Melting point/melting range: Approximately -10 - -5 °C

Boiling point/boiling range: Approximately 100-103 °C (212-217 °F)

Flash point: Not applicable (aqueous, non-flammable)

Evaporation rate: Similar to water

Flammability: Not flammable
Upper/lower flammability or explosive limits: Not applicable
Auto ignition temperature: Not applicable
Danger of explosion: No explosion hazard
Vapor pressure: Similar to water
Vapor density: Similar to water (air = 1)
Relative density: ~1.13 – 1.18 (water = 1)
Solubility in/Miscibility with water: Completely miscible

Section 10: Stability and Reactivity

Stability: Stable under normal conditions
Incompatible Materials: Strong bases
Hazardous Decomposition Products: None known

Section 11: Toxicological Information

Acute Toxicity: Not classified
Skin Irritation: May cause irritation
Eye Irritation: Causes serious eye irritation
Chronic Effects: No data indicating chronic toxicity
Carcinogenicity: Not listed by IARC, NTP, or OSHA

Section 12: Ecological Information (non-mandatory)

Aquatic Toxicity: Not expected to be toxic at use dilutions
Persistence and Degradability: No data available
Bioaccumulative Potential: Not expected

Section 13: Disposal Considerations (non-mandatory)

Dispose of material in accordance with federal, state, and local regulations. Neutralization may be required prior to disposal.

Section 14: Transport Information (non-mandatory)

U.S. DOT: Not regulated as dangerous goods
IATA / IMDG: Not regulated

Based on available data and typical use conditions, this product does not meet the criteria for Class 8 corrosive materials.

Section 15: Regulatory Information (non-mandatory)

This product complies with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 16: Other Information

SDS date of preparation/update: January 14, 2026

Composition ranges may vary between production lots.