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MATERIAL SAFETY DATA SHEET (MSDS)

NEB #B1003

SECTION 1–CHEMICAL INFORMATION

Product Name: Magnesium Sulfate Solution

SECTION 2–COMPOSITION/INFORMATION ON INGREDIENT

1. Magnesium Sulfate 1.2% Cas.# 7487-88-9

The ingredients listed in this section include only those items that have more than 1% of a component classified as hazardous and 0.1% of a component classified as carcinogenic. If you have any questions, please contact info@neb.com.

SECTION 3–HAZARDOUS IDENTIFICATION

Emergency Overview: Delayed target organs effects. No OSHA hazards.
Target Organs: Central nervous system and gastrointestinal tract.
HMIS and NFPA Ratings: 0 – Minimal or None, 1 – Slight, 2 – Moderate, 3 – Serious, and 4 – Severe

Health: 0
Flammability: 0
Reactivity: 0

Potential Health Effects
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

SECTION 4–FIRST AID MEASURES

Eyes: Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids. Call a physician.
Skin: Wash skin with soap and copious amount of water.
Ingestion: If the person is conscious, wash out mouth with water. Call a physician.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SECTION 5–FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances ad the surrounding environment.
Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Fire and Explosion Hazards: This product itself does not burn.

SECTION 6–ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid breathing or contact with vapors, mist of gas.
Environmental Precautions: Do not let product enter drains.
Methods For Cleaning Up: Sweep up and shovel. Place in covered container for disposal.

SECTION 7–HANDLING AND STORAGE

Handling: Provide appropriate exhaust ventilation.

Storage: Keep tightly closed in a dry and well ventilated place. Store at 4°C .

SECTION 8–EXPOSURE CONTROLS/PPE

Contains no substances with occupational exposure limit values.
Engineering Controls: Safety shower and eye wash. Mechanical exhaust.

Personal Protective Equipment:
Eye Protection: Safety glasses.
Hand Protection: Compatible resistant gloves.
Respiratory Protection: None required.
Hygiene Measure: General practice, wash (hands and skin) thoroughly after handling. Remove and wash contaminated clothing.

SECTION 9–PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Form: Liquid Color: No Data Available Odor: None or odorless

Property	Value	Temperature or Pressure
Boiling Point Range:		No Data Available
Melting Point Range:		No Data Available
Flash Point:		No Data Available
Auto Ignition Temp:		No Data Available
Vapor Pressure:	< .1 mmHg	20°C
Vapor Density:	1.070 g/cm^3	
Specific Gravity:		No Data Available
Solubility in Water:		No Data Available

SECTION 10–STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Conditions and Materials to Avoid: Strong oxidizing agents and hygroscopic.
Hazardous Decomposition Products: Sulfur oxide and magnesium oxide
Hazardous Polymerization: Will not occur.

SECTION 11–TOXICOLOGICAL INFORMATION

Acute and Chronic Affects Based On Routes Of Exposure
Eye Contact: May cause irritation.
Skin Contact: May cause irritation.
Ingestion: Low toxicity. May cause diarrhea, vomiting and central nervous system depression. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Inhalation: Unlikely at room temperature, inhalation of mist may cause irritation of respiratory tract.

Chronic Exposure
Target Organ(s): May cause central nervous system and gastrointestinal tract damage.

SECTION 12–ECOLOGICAL INFORMATION

No data available.

SECTION 13–DISPOSAL CONSIDERATIONS

Dispose of container, unused contents and contaminated packaging in accordance with federal, state and local requirement. Contract with a licensed Chemical Waste Disposal Service.

SECTION 14–TRANSPORT INFORMATION

This product is not dangerous and no special precautions are needed according to DOT, ADR/RID (cross border), IMDG and IATA/ICAO.

SECTION 15–REGULATORY INFORMATION

OSHA Hazards: None known.
US Classification and Label Test
US Statements: Caution. Avoid contact and inhalation.

United States Regulatory Information:
Sara Listed: No
TSCA Inventory Item: Yes
Canada Regulatory Information
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
DSL: Yes
NDSL: No
EU Additional Classification
S: 23 24/25
Safety Statements: Do not breath vapor. Avoid contact with skin and eyes.

SECTION 16–OTHER INFORMATION

DISCLAIMER

The information provided on the MSDS is furnished in good faith and based on our present knowledge. However, this MSDS shall not constitute a guarantee of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. NEB assumes no additional liability or responsibility resulting from the use of, or reliance on this information. This product is for R&D use only. Not for drug, household or other uses.

Questions about the information found on this MSDS should be directed to info@neb.com.