



Safety Data Sheet

Issue Date: 02/17/2015

Revision Date: 08/19/2024

Version 4

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

1.1 Product Identifier:

Product Name: Magnesium Sulfate Solution 20-27%
Product Code: Magnesium Sulfate
Synonyms: Magnesium Sulfate Solution 20-27%

1.2 Recommended use of the chemical and restrictions on use:

Recommended use: Industrial use only
Uses advised against: No information available

1.3 Details of the supplier of the safety data sheet:

Company: Premier Magnesia, LLC
Address: 75 Giles Place, Waynesville, NC 28786
Phone Number: 828-452-4784

1.4 Emergency telephone number:

24 Hour Emergency telephone number: Chemtrec 1-800-424-9300

SECTION 2. Hazard(s) identification

2.1 Classification: GHS: Not classified EC: Not classified

2.2 Label elements: Not Applicable

2.3 Hazards summary: Spillages may be slippery. Dust may cause mild eye irritation.
Ingestion may cause abdominal cramps and diarrhea.

SECTION 3. Composition / information on ingredients

Chemical Name	CAS Number	Weight %	Trade Secret
Magnesium Sulfate	10034-99-8	20-27	
Water	7732-18-5	73-80	

SECTION 4. First aid measures

4.1 Eye contact: Rinse immediately with lots of water, also under the eyelids for at least 15 minutes. Seek medical attention if irritation persists.

4.2 Skin contact: If irritation develops, seek medical attention.

4.3 Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult
If breathing has stopped, give artificial respiration. Get medical attention immediately.

4.4 Ingestion: If large quantities of this material are ingested, call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

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4.5 Note to physicians:

Treat symptomatically.

5. Fire-fighting measures

5.1 Suitable extinguishing media:

This material is compatible with all extinguishing media and standard firefighting techniques.

5.2 Unsuitable extinguishing media:

None.

5.3 Specific hazards arising from chemical:

Oxides of sulfur may be generated during fire. Noncombustible.

5.4 Protective equipment and precautions for firefighters: As in any fire, use self-contained breathing apparatus and suitable protective clothing.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures:

Personal precautions:

Wear goggles.

6.2 Environmental precautions:

Environmental precautions:

Prevent release to waterways and storm water drains

6.3 Methods and material for containment and cleaning up:

Methods for containment:

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up:

Scoop, or vacuum discharged material. Use sorbent clay, vermiculite or straw to absorb liquid.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Promptly clean up spills.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions:

Keep containers closed and protected from extremes of temperature.

Incompatible Materials:

Metal hydrides and other water reactive materials.

SECTION 8. Exposure controls / personal protection

8.1 Control parameters

Exposure Guidelines:

None listed.

8.2 Appropriate engineering controls

Engineering Controls:

Ensure adequate ventilation. Ensure eye washes and safety showers are available.

8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:

Wear safety glasses or chemical goggles.

Skin and body protection:

Wear gloves.

Respiratory protection:

Handle in accordance with good industrial hygiene and safety

practice.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid
Color:	Clear
Odor:	None
Odor threshold:	No information available
pH:	Approx. 7.8 to 8.0
Melting point/freezing point:	Not applicable
Boiling point/boiling range:	Not applicable
Flash point:	Not applicable
Evaporation point:	Not applicable
Flammability (solid, gas)	Not applicable
Flammability Limit in Air:	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Specific gravity:	No information available
Water solubility:	Soluble
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

9.2 Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

SECTION 10. Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	None under normal processing
10.4 Conditions to avoid	Extremes of temperature and direct light
10.5 Incompatible materials	Metal hydrides and other water reactive materials
10.6 Hazardous Decomposition Products	At very high temperatures, magnesium oxide, sulfur dioxide and sulfur trioxide may be generated

SECTION 11. Toxicological information

11.1 Information on likely routes of exposure

Product information	No data available
Inhalation	No data available
Eye contact	Splashes or mists may be irritating to eyes

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Skin contact No data available
Ingestion RTECS: Oral LDLo 428mg/kg in man; 351mg/kg in woman

11.2 Information on toxicological effects

Symptoms No information available

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available
Germ cell mutagenicity No information available
Carcinogenicity Not listed by IARC, NTP, or OSHA
Reproductive toxicity No information available
STOT - single exposure Not classified
STOT - repeated exposure Not classified
Aspiration hazard No information available

SECTION 12. Ecological information

12.1 Ecotoxicity Not classified as PBT vPvB

12.2 Persistence and degradability No information available

12.3 Bioaccumulation Material does not bioaccumulate

12.4 Mobility Sinks and mixes with water

12.5 Other adverse effects No information available

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Disposal of wastes: This product does not exhibit any characteristics of a hazardous waste. Follow all applicable federal, state, and local regulations for the safe disposal.
Contaminated packaging: Do not reuse container.

SECTION 14. Transport information

14.1 DOT Not regulated by DOT as a hazardous material. No hazard class, label, or placard required. no UN or NA number

14.2 IMDG

14.3 IATA

SECTION 15. Regulatory information

15.1 International Inventories

TSCA Listed
DSL/NDSL Listed
EINECS/ELINCS 231-298-2
ENCS Listed
IECSC Listed
KECL Listed
PICCS Listed
AICS Listed

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15.2 Legend

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances

15.3 US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories: HNOC - ingestion may cause gastrointestinal upset.

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

15.4 US State Regulations

California Proposition 65: This product does not require a Proposition 65 warning statement.

U.S. EPA Label Information: EPA Pesticide Registration Number- Not Applicable

SECTION 16. Other information							
NFPA	Health hazards	1	Flammability	0	Instability	0	Specific hazards
HMIS	Health hazards	1	Flammability	0	Physical hazards	0	Personal protection X

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of my knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet