



SAFETY DATA SHEET

Version 1
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Magnesium Sulfate

Product Number:

Brand: Edvotek

Supplier: Edvotek
1121 5th Street NW
Washington, DC 20001

Telephone: 1-800-338-6835
or 202-370-1500

Fax: 202-370-1501

Emergency Phone #: 202-370-1500

(For both supplier and Manufacturer)

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

No known OSHA hazards

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

HMIS Classification:

Health hazard: 0

Flammability: 0

Physical hazard: 0

NFPA Rating:

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects:

Inhalation May cause irritation

Skin- May cause irritation.

Eyes- May cause eye irritation.

Ingestion- May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS -No	Concentration
Magnesium sulfate - MgSO ₄	231-298-2	7487-88-9	

4. FIRST AID MEASURES

General information

No special measures required.

If inhaled

If breathed in, move person into fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

Rinse with plenty of water. Remove contact lenses.

If swallowed

After swallowing: drink water (two glasses at most).

Consult doctor if feeling unwell.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not combustible.

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Sulfur oxides, Magnesium oxide

Not combustible. Ambient fire may liberate hazardous vapours.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation. Protect from moisture.

Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place

Incompatible Products

No data

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Recommended Filter type: Filter type P1

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

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 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	granular, powder
Colour	white
Odor	odorless

Safety data

pH	ca.7.9 at 50 g	Vapour pressure	< 0.1 hPa at 20 °C (68 °F)
Melting point/freezing point	1,124 °C	Density (water=1)	2.66 g/cm ³ at 20 °C (68 °F)
Boiling point	no data available	Water solubility	soluble
Flash point	no data available	Partition coefficient:	
Ignition temperature	no data available	n-octanol/water	no data available
Autoignition Temperature	no data available	Relative vapour Density	no data available
Lower explosion limit	no data available	Odour Threshold	no data available
Upper explosion limit	no data available	Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

Hygroscopic, no information available

Materials to avoid

No data available

Hazardous decomposition products

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values

LD50 > 2,000 mg/kg (Rat)

Serious eye damage/eye irritation

No eye irritation

Respiratory or skin sensitization

Negative, none

Germ cell mutagenicity

no data available

Skin corrosion/irritation

No skin irritation

Carcinogenicity

No component of this product are listed by IARC, ACGIH, NTP and OSHA

Reproductive toxicity

no data available

Teratogenicity

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

12. ECOLOGICAL INFORMATION

Toxicity - no data available

Persistence and degradability - The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential - no data available

Mobility in soil - no data available.

PBT and vPvB assessment - no data available

Other adverse effects - no data available

13. DISPOSAL CONSIDERATIONS

Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

16. OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.