	SAFETY DATA SHEET (SDS)	
	MAGNESIUM SULPHATE SOLUTION 25%	
	Document #: SCIL-SDS-11	Issue Date: 01-Jan-23
	Revision: 0	Next Rev: 31-Dec-27

1. IDENTIFICATION

- 1.1 Product identifier:** **Magnesium Sulphate Solution**
- Synonym(s):** Magnesium sulfate, Epsom Salt
- Reach No.** This product is a mixture. REACH Registration Number see section 3 01-2119486789-11-XXXX
- CAS No.** 10034-99-8
- 1.2 Recommended use:** Laboratory chemicals, Manufacture of substances
- 1.3 Details of the supplier of the Safety data sheet Manufacturer**
- Company Name** Sitara Chemical Industries Ltd.
- Address:** 32-K.M, Sheikhpura Road, Faisalabad
- Telephone Number:** (+92) 041-4689141-5
- Emergency Number** (+92) 041-4689141-5 (Ext.1161)
- Website** <http://www.sitara.com.pk>

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or Mixture.**
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
- 2.2 Label Elements**
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
- 2.3 Other hazards:**
This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Formula	:	MgSO ₄
Molecular weight	:	120.37 g/mol
CAS- No.	:	10034-99-8
EC-No.	:	231-298-2


No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

- If inhaled:** After inhalation move to fresh air.
- In case of skin contact:** Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- In case of eye contact:** Rinse out with plenty of water. Remove contact lenses.
- If swallowed:**
After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

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The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media: For this substance no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Sulfur oxide

Magnesium oxides.

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid substance contact. Do not breathe vapors, aerosols. Ensure adequate ventilation.

Wear Personal protective equipment (PPE).

6.2 Environmental precautions.

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Observe possible material restrictions. Dispose of properly. Clean up affected area.

6.4 Reference to other sections:

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling


For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Tightly close the container.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with workplace control parameters.

8.2 Exposure controls

Personal protective equipment

Eye/face protection: Use equipment for eye protection, Safety glasses.

Skin protection: not required

Respiratory protection: Not required; except in case of aerosol formation.

Other: Wear suitable protective clothing.

Control of environmental exposure: Do not let product enter drains.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state / Form: Clear, liquid

Color: Colorless

Odor: No data available

pH : 5.0 – 7 at 20 °C

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash Point: No data available

Flammability (solid, gas): The product is not flammable.

Vapor pressure: No data available

Vapor density: 1,100 g/cm³

Relative density: No data available

Relative vapor density: No data available

Solubility in water: Soluble at 20 °C

Partition coefficient (n-octanol/water): Not applicable for inorganic substances

Auto-ignition temperature: Not applicable.

Decomposition temperature: No data available.

Viscosity: Viscosity, kinematic / dynamic No data available

Explosive properties: Not classified as explosive

Oxidizing properties: None

9.2 Other safety information: No data available

10. Chemical Stability & Reactivity Information

10.1 Reactivity: No data available


10.2 Chemical Stability: The product is chemically stable under standard ambient conditions.

10.3 Possibility of hazardous reactions: No information available.

10.4 Conditions to avoid: No data available

10.5 Incompatible Materials: Strong oxidizing agents

10.6 Hazardous Decomposition Products: In the event of fire: see section 5

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Symptoms: If ingested in large quantities, Stomach/intestinal disorders

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

11.2 Additional Information

Endocrine disrupting properties

Product

Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Mixture No data available

12.2 Persistence and degradability No data available

12.3 Bio accumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Endocrine disrupting properties

Product

Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.


12.7 Other adverse effects Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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.

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14. TRANSPORT INFORMATION

- 14.1 UN number**
ADR/RID: - IMDG: - IATA: -
- 14.2 UN proper shipping name**
ADR/RID: Not dangerous goods.
IMDG: Not dangerous goods
IATA: Not dangerous goods
- 14.3 Transport hazard class (es)**
ADR/RID: - IMDG: - IATA: -
- 14.4 Packaging group**
ADR/RID: - IMDG: - IATA: -
- 14.5 Environmental hazards**
ADR/RID: No IMDG Marine pollutant: No IATA: no
- 14.6 Special precautions for user:** Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**
This material safety data sheet complies with the Regulation (EC) No. 1907/2006.
- 15.2 Chemical Safety Assessment:** A Chemical Safety Assessment was not carried out for this substance.

16. LABELING INFORMATION

Further information

Disclaimer:

All information given in this data sheet by the company's technical staff is compiled based on data available at this time. The company accepts no responsibility whatsoever for its accuracy or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at its own risk and the company will not be liable for any loss or damage thereby suffered notwithstanding any want of care on the part of the company or its staff in compiling or giving the advice or information.