

Safety Data Sheet	Issue no.: 2	Issue Date: 19.09.25	Page 1 of 6	SDS 31
MANGANOUS SULPHATE SOLUTION 50%				

Section 1 – Chemical Product and Company Identification

1.1. Product identifier:

Manganous sulphate 50% solution.

1.2. Relevant identified uses of the substance or mixture and uses advised against:

To be used as a sample preservative for analytical testing.

1.3. Details of the supplier of the safety data sheet:



ALS Laboratories (UK) Limited

Torrington Avenue,
Coventry, CV4 9GU

1.4. Emergency telephone number

T: +44 (0)24 7642 1213

F: +44 (0)24 7685 6575

Section 2 – Hazards Identification

2.1. Classification of the substance or mixture

Specific target organ toxicity - (repeated exposure) Category 2 H373

2.2. Label elements:

Pictograms



Signal word: Danger

Hazard statement(s)

H373: May cause damage to the brain through prolonged or repeated exposure. Route of exposure: Inhalation.

H411: Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

Supplemental Hazard Statements:

Safety Data Sheet	Issue no.: 2	Issue Date: 19.09.25	Page 2 of 6	SDS 31
MANGANOUS SULPHATE SOLUTION 50%				

None.

Reduced labelling for packages where contents do not exceed 125ml.

Pictograms



Signal word: Danger

Hazard statement(s)

H373: May cause damage to the brain through prolonged or repeated exposure. Route of exposure: Inhalation.

H411: Toxic to aquatic life with long lasting effects

2.3. Other hazards - none

Section 3 – Composition, Information on Ingredients

3.2. Mixtures

Component	Hazards	Concentration
Manganese (II) sulphate	H373, H411.	50%
Water	None.	50%

Section 4 – First Aid Measures

4.1. Description of first aid measures

Eyes: Remove contact lens. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin: Get medical aid if irritation persists. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Clean mouth with water and drink plenty of water. Get medical aid if victim feels unwell.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed:

Safety Data Sheet	Issue no.: 2	Issue Date: 19.09.25	Page 3 of 6	SDS 31
MANGANOUS SULPHATE SOLUTION 50%				

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.

Notes to Physician: Treat symptomatically and supportively.

Section 5 – Fire Fighting Measures

5.1. Extinguishing media: Use firefighting methods suitable to surrounding conditions.

5.2. Special hazards arising from the substance or mixture: None known.

5.3. Advice for firefighters: As in any fire, wear self-contained breathing apparatus.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment, and emergency procedures: Protect skin and eyes from spillages. Ensure adequate ventilation.

6.2. Environmental precautions: Prevent spills from entering waterways and sewers.

6.3. Methods and materials for cleaning up: Wipe up small spills with paper towels and discard.

6.4. Reference to other sections. See suitable PPE in section 8.

Section 7 – Handling and Storage

7.1 Precautions for safe handling:

Avoid inhalation of vapour or mist. Avoid contact with eyes, skin, and clothing. Wear protective clothing, gloves and goggles. Allow adequate ventilation.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place. Store away from foodstuffs.

7.3 Specific end use(s)

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

Section 8 – Exposure Controls, Personal Protection

8.1. Control parameters: Under EH40 (UK) Manganese sulphate 0.2mg/m³ inhalable 0.05mg/m³ respirable fraction.

8.2. Exposure controls: Eyes: Wear chemical protective glasses. Skin: Wear chemical resistant gloves such as disposable nitrile. Clothing: Wear appropriate clothing to prevent skin exposure.

Safety Data Sheet	Issue no.: 2	Issue Date: 19.09.25	Page 4 of 6	SDS 31
MANGANOUS SULPHATE SOLUTION 50%				

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State: Liquid

Appearance: Pink

Odour: None

pH: Acidic.

Boiling Point: No information given.

Solubility: Soluble.

9.2. Other information

Section 10 – Stability and Reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal temperatures and pressures up to boiling point.

10.3. Possibility of hazardous reactions

Hazardous Polymerization: Has not been reported.

10.4. Conditions to avoid

Excessive heat.

10.5. Incompatible materials

Oxidisers and alkalis.

10.6. Hazardous decomposition products

Not known.

Section 11 – Toxicological Information

11.1. Information on toxicological effects:

INHALATION

May cause damage to the brain by prolonged or repeated exposure.

INGESTION

No information available.

SKIN CONTACT

No information available.

EYE CONTACT

No information available.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

LD/LC50 values relevant for classification: None.

Safety Data Sheet	Issue no.: 2	Issue Date: 19.09.25	Page 5 of 6	SDS 31
MANGANOUS SULPHATE SOLUTION 50%				

Section 12 – Ecological Information

- 12.1. Toxicity: No data available.
- 12.2. Persistence and degradability: No data available.
- 12.3. Bioaccumulative potential: No data available.
- 12.4. Mobility in soil: Soluble in water.
- 12.5. Results of PBT and vPvB assessment: No data available.
- 12.6. Other adverse effects: No data available.

Section 13 – Disposal Considerations

- 13.1. Waste treatment methods:
Reuse or reprocess if possible. Do not dump into any sewers, on the ground, or into any body of water. Any disposal practice must be in compliance with regulations (contact environmental agency for specific rules). Waste characterisation and compliance with applicable laws are the responsibility of the waste generator.

Section 14 – Transport Information

- 14.1. UN number: Not regulated for transport.
- 14.2. UN proper shipping name: Not regulated for transport.
- 14.3. Transport hazard class(es): Not regulated for transport.
- 14.4. Packing group: Not regulated for transport.
- 14.5. Environmental hazards: No.
- 14.6. Special precautions for user: As per section 7.

Section 15 – Regulatory Information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
CDG (Carriage of Dangerous Goods) Regulations
CLP (Chemicals, Labelling and Packaging) Regulations.
CoSHH (Control of Substances Hazardous to Health) regulations
Hazardous Waste Regulations
PPE Regulations
Workplace Exposure Limits EH40
- 15.2. Chemical safety assessment: For this product a chemical safety assessment was not carried out.

Section 16 – Other Information

Safety Data Sheet	Issue no.: 2	Issue Date: 19.09.25	Page 6 of 6	SDS 31
MANGANOUS SULPHATE SOLUTION 50%				

16.1 Other information

Written by Paul Talbot.

16.2. Date of the latest revision of the SDS

See document header.