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Safety Data Sheet (SDS / MSDS)

Product: Manganese(II) Sulfate (MnSO₄)

Catalogue Number: ASC-1062

Prepared according to GHS, EU CLP (1272/2008) and Australian WHS Regulations.

Issue Date: 24 February 2026

SECTION 1: Identification

PRODUCT NAME	MANGANESE(II) SULFATE
CAS NUMBER	7785-87-7
HS CODE	2833.29.00
RECOMMENDED USE	Industrial, laboratory, agricultural applications
RESTRICTIONS	Not for therapeutic use unless regulated

SECTION 2: Hazard Identification

Classification (GHS):

Acute Toxicity (Oral) – Category 4

Specific Target Organ Toxicity (Repeated Exposure) – Category 2

Hazard Pictograms: Exclamation Mark; Health Hazard

Signal Word: Warning

Hazard Statements:

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

P260 Do not breathe dust.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/eye protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell.

SECTION 3: Composition / Information on Ingredients

SUBSTANCE	MANGANESE(II) SULFATE
CAS NO.	7785-87-7
CONCENTRATION	≥ 98% typical

SECTION 4: First Aid Measures

Inhalation: Move to fresh air.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse cautiously with water for several minutes.

Ingestion: Seek medical advice if unwell.

SECTION 5: Fire-Fighting Measures

Non-combustible.

Decomposition may produce sulfur oxides and manganese oxides.

SECTION 6: Accidental Release Measures

Avoid dust formation.

Collect mechanically and prevent environmental release.

SECTION 7: Handling and Storage

Handle with adequate ventilation.

Store in dry, sealed container away from incompatible materials.

SECTION 8: Exposure Controls / PPE

ENGINEERING CONTROLS	LOCAL EXHAUST VENTILATION RECOMMENDED
EYE PROTECTION	Safety goggles
SKIN PROTECTION	Chemical-resistant gloves
RESPIRATORY PROTECTION	Dust mask or respirator if exposure limits exceeded

SECTION 9: Physical and Chemical Properties

APPEARANCE	WHITE OR PALE PINK CRYSTALLINE SOLID
SOLUBILITY	Highly soluble in water
PH (5% SOLUTION)	Approx. 3.7
FLAMMABILITY	Not flammable

SECTION 10: Stability and Reactivity

Stable under recommended conditions.

Avoid strong reducing agents and incompatible materials.

SECTION 11: Toxicological Information

Harmful if swallowed.

Chronic exposure may affect central nervous system.

SECTION 12: Ecological Information

Toxic to aquatic organisms in high concentrations.

Avoid uncontrolled release to environment.

SECTION 13: Disposal Considerations

Dispose according to local regulations.

SECTION 14: Transport Information

Not classified as Dangerous Goods under ADR, IMDG, IATA or ADG Code.

UN Number: Not applicable.

SECTION 15: Regulatory Information

Classified under EU CLP and Australian WHS as per GHS categories listed above.

SECTION 16: Other Information

Information believed accurate at time of issue.

Intended for professional use only.