



## **MATERIAL SAFETY DATA SHEET**

### **PRODUCT: MANGANESE SULPHATE**

**Date of Issue:** January 2007

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO  
CRITERIA OF WORKSAFE AUSTRALIA**

#### **Manufacturer's Name and Address:**

MANUTEC PTY LTD  
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Cavan SA 5094 Australia

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#### **PRODUCT IDENTIFICATION**

<b>Product Trade Name:</b>	Manutec Manganese Sulphate
<b>Product Code:</b>	MTO0599
<b>UN Number:</b>	None allocated
<b>Dangerous Goods Class:</b>	None allocated
<b>Hazchem Code:</b>	None allocated
<b>Poisons Schedule:</b>	None allocated
<b>Secondary Risk:</b>	None allocated
<b>EPG:</b>	None allocated
<b>Use:</b>	Used as a fertiliser to correct manganese deficiency in crop plants.

#### **PHYSICAL DESCRIPTION/PROPERTIES**

<b>Appearance:</b>	White crystalline powder.
<b>Vapour Pressure:</b>	Not applicable
<b>Melting Point:</b>	700 <sup>0</sup> C
<b>Flash Point Test:</b>	Not applicable
<b>Specific Gravity:</b>	Not known
<b>Solubility in Water:</b>	Completely soluble.
<b>Flammability Limits:</b>	Not applicable

#### **OTHER PROPERTIES**

Material is insoluble in alcohol. Material decomposes at 850<sup>0</sup>C. Material loses all water at 400 – 450<sup>0</sup>C.

**INGREDIENTS**

	<u>CAS No</u>	<u>Proportion</u>
Manganese Sulphate	7785-87-7	>74%
Water	7732-18-5	<26%

**HEALTH HAZARD INFORMATION**

**HEALTH EFFECTS – ACUTE**

<b>Swallowed:</b>	Slightly irritative. Slightly toxic. Oral LD50 = Not Available.
<b>Eye:</b>	Slightly irritative.
<b>Skin:</b>	Slightly irritative. Dermal LD50 = Not Available.
<b>Inhaled:</b>	Exposure to dust slightly toxic. Slightly irritative to respiratory tract (including mucous membranes, throat and lungs). Inhalation LC50 = Not Available.

**HEALTH EFFECTS – CHRONIC**

Chronic inhalation or ingestion may result in non specific neurological symptoms of headache, apathy and weakness of legs and other neurological symptoms.

No data available.

**FIRST AID**

<b>Swallowed:</b>	Contact a doctor or the Poisons Information Centre immediately. Give 1 – 3 cups of water. Induce vomiting (Ipecac syrup or stimulate throat with finger). Immediately transport to a hospital or doctor.
<b>Eye:</b>	Flood eyes with clean water for 15 minutes – retract eyelids often. If condition persists, immediately transport to a hospital or doctor.
<b>Skin:</b>	Remove all contaminated clothing including footwear. Wash affected areas thoroughly with mild soap and water. If condition persists, immediately transport to a hospital or doctor.
<b>Inhaled:</b>	Remove from contaminated area immediately; avoid becoming casualty. If NOT breathing apply artificial resuscitation. Experienced person may administer oxygen if breathing is difficult. If condition persists, immediately transport to a hospital or doctor.
<b>First Aid Facilities:</b>	No data available.
<b>Advice to Doctor:</b>	Not available.

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**Toxicity Data:** No data available.  
**Exposure Standards:** TLV: CL: 5 mg(Mn)/m<sup>3</sup>  
**Engineering Controls:** Provide general exhaust ventilation.  
**Personal Protection:** Rubber gloves and boots  
Dust mask  
Safety goggles  
Cotton overalls to protect skin and clothing  
**Flammability:** Material is non-flammable.

**SAFE HANDLING INFORMATION**

**Storage/Transport:** Transport or store in a cool, dry place.  
**Packaging/Labelling:** **U.N. No:** N/A **Class:** N/A  
**Subs Risk:**  
**Hazchem Code:** N/A **Pack Group:** N/A  
**EPG No:**  
**Hazard:** Not applicable.

**SPILLS AND DISPOSAL**

**Spills:** Avoid raising dust. Shovel into plastic film bags. If material is not contaminated, reuse the material. Wash spill site with soapy water after initial pickup.  
**Disposal (After treatment above):** Contact Local Waste Disposal Authority before you dispose at a Chemical Waste Depot or add sludge to land fill.

**FIRE/EXPLOSION HAZARD**

**Fire/Explosion:** Will not burn or explode. When heated to decomposition it emits TOXIC fumes of SO<sub>2</sub>.  
**Extinguishing Media:** Evacuate area – move upwind of fire. Summon Fire Brigade immediately, dial 000. Material will not burn. Use equipment/media appropriate to surrounding conditions.  
**Contact Point:** Research/Technical Officer  
Manutec Pty Ltd  
30 Jonal Drive  
CAVAN SA 5094 Australia  
Tel: +618 8260 2277  
EMERGENCY ONLY: (24 hours) Poisons  
Information Centre 13 11 26



**STATEMENT OF DISCLAIMER**

This Material Safety Data Sheet has been developed according to Worksafe Australia/NOHSC Guidelines.

All information is as accurate and up-to-date as possible. Since Manutec Pty Ltd cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Manutec Pty Ltd will not be responsible for damages of any nature resulting from use of or reliance upon the information.

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