



MATERIAL SAFETY DATA SHEET

PRODUCT: SULPHUR POWDER

This product is classified as:
Not Hazardous according to criteria of the National Occupational Health and Safety Commission and not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code when transported in quantities less than 400kg per package

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Manufacturer's Name and Address:

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PRODUCT DETAILS

Product Name: Manutec – Sulphur Powder
Product Code: MTO0555/MBP0308/MCSU25/MCBS25
Poisons Schedule: None allocated
Hazchem Code: No regulated
U.N. No: 1350
A.D.G. Class: Exempt from 4.1 being small pack less than 400kg
Packaging Group: Not regulated
Product Usage: Used to correct sulphur deficiency in soils and as an acidifying agent to lower pH Alkaline soils.
Ingredient: Elemental sulphur - 100%

PHYSICAL DESCRIPTION

Appearance: Yellow powder/crystals
Melting Point: 119⁰C
Boiling Point: 444.6⁰C
Vapour Pressure: 1 mm at 183.8⁰C
Specific Gravity: 2.07
Flash Point: 207⁰C

OTHER PROPERTIES

Autoignition Temp: 232⁰C
Form: Solid
Formula: S
Molecular Weight: 32.06



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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Acute - Ingestion:	May cause local irritation of self mucous tissues, nausea and vomiting.
Acute - Eye:	Low to moderate eye irritant
Acute - Skin:	Dermatitis may result from short contact. Prolonged contact may result in topic eczema, angioneurotic oedema, hives, etc.
Acute – Inhalation:	Dust may cause local irritation of eyes, nose, throat and lungs. Over exposure at high levels may result in breathing difficulties, pulmonary oedema and unconsciousness.
Chronic – Inhalation:	May lead to irritation of mucous membranes, chronic bronchitis, emphysema and bronchial asthma.
Other effects:	A common air contaminant, low toxicity.

FIRST AID

Ingestion:	Seek medical advice.
Eye:	Wash the affected eye(s) with cold running water. If the foreign body has not been successfully removed or if the eyes are sore, seek medical aid.
Skin:	Remove contaminated clothing and wash affected area with water, then soap and water. If any kind of irritation or soreness persists, or rash develops, seek medical advice.

OTHER HEALTH HAZARD INFORMATION & PRECAUTIONS FOR USE

* Avoid generating and inhaling dusts.

Personal Protection:	Protect your body with overalls or similar protective apparel; safety glasses, goggles, face shield, dust masks as appropriate. Avoid skin and eye contact. Avoid inhaling the vapour, mist or dust.
Fire Hazards:	SULPHUR is flammable. Liberates toxic and very irritating, suffocating gas when involved in a fire.



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SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Storage Precautions: Store away from sources of heat or ignition. Not to be located on the same vehicle or freight container as explosives, flammable gas, spontaneously combustible material, organic peroxides, oxidising agents, radioactive materials or fire risk substances.

Other Storage Information: Keep the atmosphere in the storage place free from dust by adequate ventilation.

SPILLS AND DISPOSAL

Spills and Leaks: Impervious overalls or similar protective apparel.
Collect and clean/refine for reuse.

FIRE/EXPLOSION HAZARDS

Moderate hazard. On burning will emit toxic fumes. Spontaneous ignition or explosion with oxidants like fluorine, chlorine dioxide, gas, interhalogenes. Dust may easily be ignited by static sparks. Explosions or violent reactions with powders of aluminium copper, zinc, potassium, calcium, phosphorus and gadolinium.

HAZARDOUS REACTION

Can react violently with halogens, carbides, halogenates, halogenites, zinc, uranium, tin, sodium, lithium, nickel, palladium, phosphorous, potassium, indium, calcium, boron, aluminium, ammonia, ammonium nitrate, ammonium perchlorate, chlorine dioxide, potassium permanganate, silver nitrate, silver oxide and sodium hydride. Forms explosive and sensitive mixtures with most oxidising substances such as chlorates, nitrates, perchlorates or permanganates.

Contact Point: Research/Technical Officer
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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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