



PRICE CHEMICALS PTY LIMITED

ABN 92 002 585 293

10 Pile Road
Somersby NSW 2250
Phone: (02) 4340 0088
Fax: (02) 4340 0322
E-mail: enquiries@pricechemicals.com.au

MATERIAL SAFETY DATA SHEET

NOT Hazardous according to criteria of Worksafe Australia

Date of Issue : 1st January 2005

1. IDENTIFICATION

General

Product Name : MAGNESIUM SULPHATE HEPTAHYDRATE

Other Names : EPSOM SALTS; BITTER SALTS

UN No. : N/A

Dangerous Goods Class : None Allocated

Subsidiary Risk : None Allocated

Hazchem Code : N/A

Pack Group : 0

EPG : N/A

Poisons Schedule : N/A

Uses :

Weighting cotton and silk; increasing the bleaching action of chlorinated lime; manufacture mother-of-pearl and frosted papers; fire-proofing fabrics; dyeing and printing calicos; in fertilisers; explosives, matches; mineral water; tanning leather.

1.1 Physical Description / Properties

Appearance : Colourless crystals or powder with bitter, saline, cooling taste.

Formula :

Boiling Point : N/A deg C

Melting Point : 150 deg C

Vapour Pressure : N/A

Specific Gravity : 1.68 (water = 1)

Flash Point : N/A

pH : N/A ()

Solubility in water : 1250 g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

1.2 Other Properties

On exposure to dry air at ordinary temp. it loses about 1H₂O; at 70 - 80 deg C loses 4H₂O; at 100 deg C loses 5H₂O; at 120 deg C loses 6H₂O, rapidly reabsorbing water when exposed to moist air; loses the last mol of water at about 250 deg C.

1.3 Ingredients

Chemical Entity	CAS No.	Proportions (%)
MAGNESIUM SULPHATE HEPTAHYDRATE	[10034-99-8]	100

2. HEALTH HAZARD INFORMATION

2.1 Health Effects - Acute

Swallowed

Ingestion may cause diarrhoea. Oral LD50 = Not available

Eye

Contamination of eyes may result in physical irritation.

Skin

Non-irritant Dermal LD50 = Not available

Inhaled

Inhalation of dust may result in respiratory irritation. Inhalation LC50 = Not available

2.2 Health Effects - Chronic

Not available

2.3 First Aid

Swallowed

Thoroughly rinse mouth with water. Material is poorly absorbed. Seek medical advice if symptoms persist.

Eye

Irrigate with copious quantities of water for at least 15 minutes. Seek medical assistance if effects persist.

Skin

A small amount of skin contact is not normally harmful.

Inhaled

Remove victim from exposure - avoid becoming a casualty.

First Aid Facilities

Ensure an eye bath & safety shower are available and ready for use.

2.5 Advice to Doctor

Treat symptomatically based on judgement of doctor and individual reactions of patient.

2.6 Toxicity Data

3. PRECAUTIONS FOR USE

3.1 Exposure Standards

No value assigned for this specific material by the National Health & Medical Research Council.

3.2 Engineering Controls

Use with adequate ventilation. Avoid generating and inhaling dusts.

3.3 Personal Protection

Wear standard safety equipment - overalls and safety shoes. Wear safety glasses if eye contamination is possible.

3.4 Flammability

Non-combustible material.

SAFE HANDLING INFORMATION

4.1 Storage / Transport

Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

4.2 Packaging / Labelling

UN No. N/A

Class None Allocated

Sub Risk None Allocated

Hazchem Code N/A

Pack Group 0

EPG No. N/A

Shipping Name MAGNESIUM SULPHATE HEPTAHYDRATE

Hazard

Risk Phrases

Safety Phrases

4.3 Spills and Disposal

Spills

Clean-up personnel should wear full protective clothing including breathing apparatus.

For SMALL spills - wash area down with water. For LARGE spills - sweep up, collect and seal in drums for disposal.

Disposal

Refer to relevant State Land Waste Management Authority.

4.4 FIRE AND EXPLOSION HAZARD

Fire / Explosion

Not combustible. When heated above 1100 deg C, emits TOXIC fumes of sulphur oxides. Incompatible with ethoxyethyl alcohols.

Extinguishing Media

Fire-fighters should wear full protective clothing including self-contained breathing apparatus. In case of fire use media appropriate to surrounding conditions.

5 OTHER INFORMATION

Other Information

Not available

5.1 Contact Points

Organisation	Location	Telephone	Ask For
Price Chemicals Pty Ltd	Somersby NSW	02-4340 0088	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	