

WA SALT GROUP



MATERIAL SAFETY & DATA SHEET Group 4

1. IDENTIFICATION OR THE MATERIAL & COMPANY

Product: Magnesium Chloride

Use: Used as food flavouring, food preservative, soaps, and wellbeing oil

Supplier: Western Salt Refinery, 185 Cockburn Road, North Coogee WA 6163

Telephone: (08) 94319431

EMERGENCY TELEPHONE NUMBER (08) 94319431

2. HAZARDS IDENTIFICATION

NOT CLASSED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Risk Phrases: None allocated by NOHSC

Safety Phrases: None allocated by NOHSC

3. COMPOSITION OF THE MATERIAL

Chemical Name: Magnesium Chloride (MgCl₂)

CAS #: 7786-30-3

Concentration: > 80,000ppm

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact: Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Contact: Wash thoroughly with running water. Get medical advice if irritation develops.

High water intake facilitates urinary excretion and relief of temporary symptoms

5. FIRE FIGHTING MEASURES

HAZCHEM CODE: NONE ALLOCATED

This material is non combustible. Flames on or in the vicinity of this material can be extinguished using conventional fire fighting agents and procedures.

6. ACCIDENTAL RELEASE MEASURES

Recover product where practical. Flush the area in sufficient amounts of water to meet existing water quality standards

7. HANDLING & STORAGE

No particular handling requirements

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Under normal circumstances protective wear is not required. Impervious rubber gloves may be used where prolonged immersion of hands in brine is required; rubber boots may be worn in wet areas. Wear goggles where possibility of eye contact is likely.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Colourless, odourless solution
Molecular weight:	203.31 g/mol
Properties of MgCl ₂ :	The composition by weight is 25.52% magnesium & 74.47% chlorine
Density:	>1.28SG
pH:	is in the range of 5.0 to 7.0
Melting Point:	714°C
Boiling Point:	1412°C at 101.3 kPa
Vapour Pressure:	Not applicable
Flashpoint:	Not applicable
Flammability Limits:	Not applicable
Solubility in Water:	35.7gm/100 cc

10. STABILITY & REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	None
Incompatible materials:	Bromium Trifluoride, Lithium, strong acids
Hazardous Reactions:	Reacts violently with Bromium Trifluoride and Lithium

11. TOXICOLOGICAL INFORMATION

Salt has been not been classed as hazardous according to NOHDC criteria. Some health effects can be:

Ingestion:	After excessive ingestion salt may cause oedema or elevated blood pressure and may cause vomiting. Salt is a stomach irritant
Eye Contact:	Salt is an irritant and may abrade and cause an inflammation of the eye
Skin Contact:	May be an irritant to some sensitive persons, or when applied to open cuts and abrasions
Inhaled:	Irritant to mucous membranes

12. ECOLOGICAL INFORMATION

Ensure appropriate measures are taken to prevent excess material entering the environment

13. DISPOSAL CONSIDERATIONS

Clean material can be re used. Dispose of waste material only in accordance with the applicable federal, state and local laws and regulations

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN Number:	None allocated
Hazchem Code:	None allocated
Dangerous Goods Class:	None allocated
Subsidiary Risk:	None Allocated

15. REGULATORY INFORMATION - Not Applicable

16. OTHER INFORMATION

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