

# Product Specification

## Product Name: **MAGNESIUM SULFATE Heptahydrate LR**

Alternate Name(s) Epsom Salts

### Description

Clear and colourless crystals; saline bitter taste.

### Properties

Chemical Formula:  $MgSO_4 \cdot 7H_2O$   
Molecular Weight: 246.48

Product Code: ML048  
CAS No. 10034-99-8

### General Information:

Soluble in glycerol; very soluble in water; sparingly soluble in alcohol. Low toxicity - moderately toxic by ingestion; non-flammable. Loses 6H<sub>2</sub>O at 150 °C; loses water at 200-250 °C.

### Quality Specification

Assay: 98.0% min.

### Specific Properties and Impurities [Typical levels]:

Loss on drying	48.0 - 52.0%
Heavy Metals (as Pb)	≤ 0.001%
Chloride (Cl)	≤ 0.03%
Arsenic (As)	≤ 0.0002%
Iron (Fe)	≤ 0.002%

### Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH44
Poison schedule:	Not Scheduled
Emergency Procedure Guide No.:	N/A

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