

Product Specification

Product Name: IRON(II) SULFATE Heptahydrate LR

Alternate Name(s) Ferrous sulfate; Green vitriol; Sulferrous; Copperas; Sal chalybis; Iron vitriol.

Description

Bluish-green crystals; odourless; saline taste.

Properties

Chemical Formula: $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$

Molecular Weight: 278.01

Product Code: FL001

CAS No.: 7782-63-0

General Information:

Hygroscopic, forming coating of extremely corrosive basic ferric sulfate.
Incompatible with alkalis, soluble carbonates and oxidising materials.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH39

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Identification	Passes test
pH (5%, 20°C)	3.0 - 4.0
Chloride (Cl)	0.03%
Ferric ion (Fe ³⁺)	0.5%
Lead (Pb)	0.005%
Manganese (Mn)	0.1%
Zinc (Zn)	0.05%

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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