



Product Specification

Product Name: IRON(II) SULFATE Dried LR

Alternate Name(s) Ferrous sulfate; green vitriol; sulferrous; copperas; sal chalybis; iron vitriol; iron sulfate.

Description

Light blue-green or yellow-brown crystals or granules. Odourless. Loses water in dry air and oxidises upon exposure to moisture, forming a brown coating of extremely corrosive basic ferric sulfate.

Properties

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

Molecular Weight: 151.91 + aq.

Product Code: FL036

CAS No. 13463-43-9

General Information:

Insoluble in alcohol. Hygroscopic. Harmful if swallowed. Air and moisture sensitive. Incompatible with alkalis, soluble carbonates and oxidising materials. Non combustible material.

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: 86.0% min.

Specific Properties and Impurities [Typical levels]:

Insoluble Matter	≤0.05%
Arsenic (As)	≤0.0003%
Mercury (Hg)	≤0.0003%
Lead (Pb)	≤0.001%
pH Value (50 g/l, H ₂ O, 20 °C)	2.5 - 3.8
Solubility in Water (20 °C)	256 g/l
Specific Gravity	2.97
Melting Point (release of crystalline water)	300 °C

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