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Technical Data Sheet

Product Name: Ferrous Sulphate Heptahydrate

Molecular Formula: FeSO₄. 7H₂O

CAS No.: 7782-63-0

Mol Weight: 278.05

Usage and Dosage:

- 1. Industrial:** ferrous sulphate heptahydrate is mainly used as a precursor to other iron compounds. It is a reducing agent, for the reduction of chromate in cement.
- 2. Nutritional Supplement:** Together with other iron compounds, ferrous sulphate is used to fortify foods and treat iron-deficiency anemia. Constipation is a frequent and uncomfortable side effect associated with the administration of oral supplements. Stool softeners often are prescribed to prevent constipation.
- 3. Colorant:** Ferrous sulphate can also be used to stain concrete and some limestone and sandstones a yellowish rust color.
- 4. Water Treatment:** Ferrous sulphate has been applied for the purification of water by flocculation and for phosphate removal in municipal and industrial sewage treatment plants to prevent eutrophication of surface water bodies.

Storage:

Storage Store in cool, dry, well ventilated area, removed from oxidising agents (e.g. hypochlorites), acids, metals and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems.

Precaution: Flammability Non flammable. No fire or explosion hazard exists.

Shelf Life: One Year

Packing: Net weight 25kgs, 50kgs plastic woven bag, 1000-1350kgs big bag

Technical Specification

Appearance: light green crystal powder

Fe 19.7%min

Pb 20 ppm max

As 2 ppm max

Cd 5 ppm max

Water insoluble matter 0.5% max

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