

Shenzhen Changlong Technology Co., Ltd

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MATERIAL SAFETY DATA SHEET OF FERROUS SULPHATE (MSDS)

Section 1 : Product Identification

Product Name : Ferrous Sulphate
Synonyms : Iron (II) Sulfate, Green Vitriol, Copperas
CAS No. : 7782-63-0 (Heptahydrate); 17375-41-6(Monohydrate)
Molecular Weight: 278
Chemical Formula: FeSO₄.7H₂O

Section 2 : Application

- Water Treatment
 - * Flocculant
 - *Coagulant
 - *Cyanide Neutralizer
 - * Remove COD
 - * Odor Eliminator
- Fertilizer
- Animal Feed Supplement
- Agriculture
- Paint Pigments
- Ferrites

Section 3: Physical and Chemical Properties

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Appearance: Blue Green powder

Odor: Odorless

Solubility: Soluble in water, slightly soluble in alcohol, soluble in methanol without water

pH: No information found

Melting Point: 64°C

Density: 1.898

Chemical Category: Sulfate

Section 4: Stability and Reactivity Data

Stability: Stable under ordinary conditions of use and storage .Loses water in dry air and oxidizes upon exposure to moisture. Lose 6 crystal water under 64-90°C . Lose all crystal water become to anhydride when heat to 300°C . Resolve into Fe₂O₃ and release SO₂、SO₃.

Hazardous Polymerization: Does not polymerize.

Section 5: Fire and Explosion Data

Fire: Not Considered to be a fire hazard .

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Section 6: Potential Health Effects and First Aid Measures

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing. Suggest removing to fresh air, getting medical attention.

Skin Contact: Causes irritation to skin .Symptoms includes redness, itching and pain. Suggest immediately flush skin with plenty of soap and water for at least

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15 minutes, Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse thoroughly clean shoes before reuse.

Eye Contact: Causes irritation, redness and pain. Suggest immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 7: Personal Protection

Skin Protection: Wear impervious protective clothing, including boots, gloves, and Lab coat, to prevent skin contact.

Eye Protection: Use chemical safety goggle or full face shield where dusting or splashing of solutions is possible.

Section 8: Accidental Release Measures

Ventilate area of leak or spill. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

Section 9: Storage

Stored in a cool, dry and ventilated area. Keep in a tightly closed container. Protect against physical damage. Protection against from rain and sunlight. Isolate from incompatible substances.

Section 10 :Transportation information

Dangerous goods Numbers: data not available

UN Number: data not available |

Packaging symbol: data not available

Packaging categories: data not available

Transportation note: When packing should be complete departure, loading shall be safe. The transport process to ensure that containers not leak, don't collapse, don't fall, no damage. With no oxidant, edible chemicals, etc must be eliminated. Transit should prevent insolate, rain, the high temperature.

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Section 11: Ecological Information:

Environmental: No information found

Environmental Toxicity: No information found

Section 12 : Toxicology information

Acute toxicity data:

Subacute and chronic toxicity: data not available

Excitant: data not available

Mutagenicity: data not available

Carcinogenicity: data not available

Section 13 : Waste Disposal

Waste properties:

Disposal method: With the safety buried disposal method. Can use in the local repeated use container or in the specified place buried.

Abandoned note: If rework or disposal is impossible the product must be displaced to the appropriate approved waste disposal unit. Disposal of the waste and package in strict correspondence with the state and local laws and Regulations.

Section 14 :Training advice

Read the MSDS before using the product.

Section 15 :Recommended use restrictions

Information contained in this Safety Data Sheet refers to this particular substance. It may be invalid in case this substance is used together with any other materials or in any other production process. The User bears responsibility for assessment of applicability and completeness of this information for his particular applications.

Notice: We believe the statements, technical information and recommendations contained herein are reliable, but given without warranty or guarantee of any kind, express or implied ,and we assume no responsibility for any loss, damage ,or expense ,direct or consequential ,arising out of their use.

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