



V.V. Titanium Pigments Pvt. Ltd.

(AN ISO 9001 : 2008 | ISO 14001 : 2004 | OHSAS 18001 : 2007 CERTIFIED COMPANY)

Rev Date : 08.02.2016

Revision : 03

**GENERIC MATERIAL SAFETY DATA SHEET (MSDS) FOR FERROUS
SULPHATE HEPTAHYDRATE**

NO	SECTIONS	DETAILED EXPLANATION
1	Identification of the substance	Other names: Iron (II) Sulphate Heptahydrate, Iron Vitrol; Green Vitrol; Ferrous sulphate. U.N.No : None Allocated. DG Class: None Allocated. Sub risk : None Allocated. Hazchem : None Allocated. Packing group: None Allocated. Posion schedule: None Allocated. Uses: Water and sewage treatment; reducing agent, wood preservative; fertilizer.
2	HAZARD IDENTIFICATION	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.
3..	COMPOSITION / INFORMATION ON INGREDIENTS	Chemical Name CAS Number Proportion Ferrous Sulphate Heptahydrate 7782-63-0 >98.0%
4.	FIRST AID MEASURES	Swallowed: If conscious wash out mouth with water and give water to drink. Do not induce vomiting. Seek immediate medical attention. Eye: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical advice. Skin: Wash with plenty of soap and water. Remove contaminated clothing, launder clothes before reuse. If irritation persists seek medical advice. Inhaled: Remove victim from exposure to fresh air immediately. If not breathing apply artificial respiration. If breathing is difficult given oxygen. Seek immediate medical advice.
5	FIRE FIGHTING MEASURES	Non combustible product. Use extinguishing media appropriate for surrounding fire. When heated to decomposition may produce toxic SOX fumes. Fire fighters to wear self – contained breathing apparatus if risk of exposure to vapour or products of combustion.
6.	ACCIDENTAL RELEASE MEASURES	Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Sweep up but avoid generating dust. Collect and place in suitably labeled containers.
7.	HANDLING AND STORAGE	Not defined as a dangerous good by the Australian Code for the Transport of Dangerous Goods by Sea, Road, Rail & Air.
8.	EXPOSURE CONTROLS AND PERSONAL PROTECTION	No value assigned for this specific material by the national occupational health and safety commission (work Australia). Exposure standard for iron salts as fe: TWA : 1 mg/m3 Engineering controls: Use adequate general or local exhaust ventilation to keep exposure levels below the recommended exposure standard. Personal protection: Avoid skin and eye contact and inhalation of dust. Wear overalls, eye protection and gloves. Use chemical safety goggles or face shield where dusting or splashing of solutions is possible. Use a dust mask or dust/mist respirator in dusty conditions. Always wash hands before smoking, eating, drinking or using the toilet.



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PAN : AADCV7723P CIN : U24110TN2011PTC082322

Registered Office : Keeraikaranthattu, Tsaiyanvilai - 627657. Tirunelveli District. Tamil Nadu, INDIA. Ph: +91-4637-272361. Fax: +91-4637-272802.

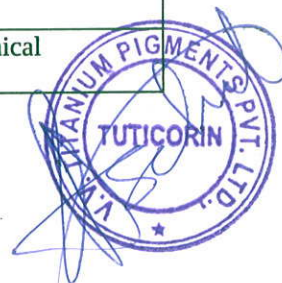
"ALL CORRESPONDANCE MAY PLEASE BE ADDRESSED TO FACTORY"



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9.	PHYSICAL AND CHEMICAL PROPERTIES	Appearance, odour: Blue-green crystalline solid, odourless. Melting Point : 64 Deg C Boiling Point : 300 Deg C Specific Gravity (20 Deg C) :1.89 Vapour Density (Air=1) : Not Available Flash Point (closed cup): Not Available pH (10% solution) : 3.7 Solubility in water : 48.6 g/100g @ 50 Deg C Molecular formula : FeSO4.7 H2O
10.	STABILITY AND REACTIVITY	Stable under normal temperatures and pressures. Incompatible with alkalis, carbonates, gold salts, lead acetate, lime water, potassium, potassium iodide, silver salts, sodium borate, sodium tartrate tannin. Substance oxidizes on contact with moisture to form ferric sulphate.
11.	TOXICOLOGICAL INFORMATION	Harmful if swallowed. Ingestion can result in nausea, vomiting, diarrhea and abdominal pain. Ingestion of large doses can lead to cyanosis, pulmonary oedema and convulsions leading to coma. Evidence from animal tests indicate that repeated or prolonged exposure to this chemical could result in damage to liver and kidneys. EYE: May cause mild eye irritation. SKIN: May cause irritation to skin. INHALED: Inhalation of dust may cause irritation to the respiratory tract. CHRONIC EFFECTS: Repeated exposure may increase iron levels in the liver, spleen and Lymphatic system. This could lead to damage to the spleen and liver.
12.	ECOLOGICAL INFORMATION	No data available. Hazard Category: Harmful RISK PHRASES: R22 HARMFUL IF SWALLOWED. SAFETY PHRASES: S24/25 Avoid contact with eyes and skin, S22 do not breathe dust.
13.	DISPOSAL CONSIDERATIONS	Refer to Stage land Waste Management Authority.
14.	TRANSPORT INFORMATION	Not defined as a dangerous good by the Australian Code for the Transport of Dangerous Goods by Sea, Road, Rail and Air.
15.	REGULATORY INFORMATION	United States HCS Classification : Toxic material Irritating material Target organ effects U.S. Federal regulations : TSCA 6 proposed risk management: Lead TSCA 8(b) inventory: All components listed. TSCA 12(b) annual export notification: lead.
16.	PRINCIPAL REFERENCES	This chemical is listed on the Australian inventory of chemical substances (AICS)



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