

Safety Data Sheet (SDS)

FERROUS SULFATE HEPTAHYDRATE

1. Identification of the Substance	PRODUCT NAME: Ferrous Sulfate Heptahydrate DISTRIBUTOR: EcoFusion Inc., PO Box 251408. Plano, TX 75025 – 1408 (USA) TEL: +1 972 403 7449 FAX: +1 214 291 5348 EMERGENCY: CHEMTREC 800 424 9300
2. Hazards Identification	WARNING! Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. Affects the liver. POTENTIAL HEALTH EFFECTS EYE: Causes irritation, redness, and pain. SKIN: Causes irritation to skin. Symptoms include redness, itching, and pain.
3. Composition / Information on Ingredients	CHEMICAL FORMULA: FeSo4.7H2O MOLECULAR WEIGHT: 278.01 CAS NO.: 7782-63-0 INGREDIENTS: Iron, Sulfur % (BY WEIGHT): 90-100% CLASSIFICATION: Not Regulated
4. First Aid Measures	SKIN: Take off contaminated clothing and flush eyes with plenty of water EYES: Flush eyes with plenty of water for at least 15 Mts. Seek medical attention INGESTION: Induce vomiting immediately as directed by Physician. Never give anything by mouth to an unconscious person. Get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
5. Fire Fighting Measures	EXTINGUISHING MEDIA: This product does not burn or support combustion. Use extinguishing media appropriate for surrounding fire. HAZARDS: This product is non-flammable PROTECTION: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
6. Accidental Release Measures	PERSONAL PRECAUTIONS: Wear protective equipment to prevent skin and eye contamination and inhalation of dust. ENVIRONMENTAL PRECAUTIONS: Prevent entry into sewers or streams and other water bodies. DISPOSAL METHODS: Use appropriate tools to put the spilled material into a sealed container and hold for reuse or later disposal
7. Handling and Storage	HANDLING: Avoid breathing dust. Avoid contacting skin, eyes and clothing. Use adequate ventilation. No smoking, eating and drinking water at workplace. Avoid prolonged or repeated exposure. STORAGE: Store in a dry place, keep away from conditions of high temperature and moisture. Avoid physical damages. Do not

	use this product appears with a brownish-yellow
8. Exposure Controls / Personal protection	<p>ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.</p> <p>EXPOSURE LIMITS: No information available.</p> <p>PERSONAL PROTECTIVE EQUIPMENT</p> <p>EYE: Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.</p> <p>SKIN: Wear appropriate protective gloves to prevent skin exposure.</p> <p>CLOTHING: Wear appropriate protective clothing to prevent skin exposure.</p> <p>RESPIRATORS: A respiratory protection program that meets OSHA's 29 CFR: 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.</p>
9. Physical and Chemical properties	<p>PHYSICAL STATE: Green or glaucous crystal</p> <p>ODOUR: Odorless</p> <p>MELTING POINT: 57C (135F) Loses water</p> <p>BOILING POINT: > 300C (> 572F) Decomposes.</p> <p>SOLUBILITY: 48.6 g/100 g water @ 50C (122F)</p> <p>SPECIFIC GRAVITY/DENSITY: 1.898</p>
10. Stability and Reactivity	<p>STABILITY: Stable under ordinary conditions of use and storage. Loses water in dry air and oxidizes upon exposure to moisture, forming a brown coating of extremely corrosive basic ferric sulfate</p> <p>CONDITIONS TO AVOID: Moisture</p> <p>MATERIALS TO AVOID: Alkalis, soluble carbonates, and oxidizing materials.</p> <p>HAZARDOUS POLYMERIZATION: Has not been reported</p> <p>HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce sulfur oxides</p>
11. Toxicological Information	No information available
12. Ecological Information	Don't allow undiluted product or large quantities to penetrate into ground water, water bodies or sewage system.
13. Disposal Considerations	<p>METHODS OF DISPOSAL: Dispose of according to all applicable governments' regulation.</p> <p>CONTAMINATED PACKAGING: Empty packaging should be recycled or disposed of through an approved waste management facility.</p>
14. Transport Information	Not Regulated
15. Regulatory Information	Not listed as dangerous goods in China's GB12268-2005. Please pay attention to any applicable national regulations as to the hazards and safety information of this product.
16. Other Information	N/A

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USERS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR THEIR OWN PARTICULAR USE.

All non-emergency questions should be **24 hour emergency Telephone: Chemtrec 800-424-9300**

T: +1 (972) 403-7449 • F: +1 (214) 291-5348
E: sales@ecofusion.net • www.ecofusion.net

5600 Tennyson Parkway
Suite #305, Plano, TX 75024(USA)



Directed to Customer Service at

National response in Canada: Canutec 613-996-6666
Outside US & Canada: Chemtrec: 202-483-7616

Note: Chemtrec and Canutec emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, exposure or accident involving chemicals.