

MATERIAL SAFETY DATA SHEET

FERROUS SULFATE HEPTAHYDRATE

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.:
Chemical Name: Ferrous Sulfate Heptahydrate
Catalog Number: FER005
Molecular Formula: FeSO₄.7H₂O
Molecular Weight: 278.01
WHMIS Classification: D2B
TSCA Status: Not listed on the TSCA Inventory

II COMPOSITION/ INGREDIENTS:

	CAS #	%
Ferrous sulfate :	7720-78-7	>98%
Heptahydrate		

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: Eyes, skin liver, G.I tract

Eyes: May cause irritation..

Skin: May cause irritation.

Inhalation. May cause irritation to respiratory tract.

Ingestion: may cause irritation to GI tract. May cause nausea, vomiting and diarrhea. In large mounts may cause bleeding of the stomach.

CHRONIC HEALTH HAZARDS: Repeated exposure may cause liver and spleen damage. May cause jaundice.

Exposure Limits:

Oral mouse: 680 mg/kg

Oral rat: 319 mg/kg

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: See RTECS for complete information.

Neurotoxicity: See RTECS for complete information.

Mutagenicity: See RTECS for complete information.

IV FIRST AID MEASURES:

Eyes: Flush eyes with water , GET MEDICAL ATTENTION

Skin: In case of contact, flush area immediately with water. GET MEDICAL ATTENTION.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and GET MEDICAL ATTENTION.

Ingestion: Wash mouth with water. Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Flash Point: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure. Ferrous sulfate oxidizes in moist air to form a brown color. Ferric sulfate. Aqueous solutions oxidize rapidly when heated. Avoid light and moisture.

Incompatibility: strong oxidizing agents bases, silver salts, carbonates, potassium iodide

Hazardous Decomposition Products: oxides of sulfur and iron.

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: Crystalline solid

Appearance and Odor: blue-green, odorless

Melting Point: 64° C

Boiling Point: 300° C

Specific Gravity: N/A

Vapor Density: N/A

Water Solubility: yes approx.50g/100g

pH: 5% solution 3-5

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing.

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature. Avoid moisture and light.

Label Hazard Warning: Other Toxic. May be harmful to skin, eyes and respiratory system. Avoid eye and skin contact. Avoid inhalation and ingestion.

Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)

Date Prepared: Dec 27/2011

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.