



MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION:

Product Name: Ferric Sulphate Solution, 50%

Trade Name: Same

Product Use: Water & Waste Water Treatment, Odour Control

Emergency Phone Number
877-378-7745

Effective Date: October 14, 2014

Supplier Name & Address:
FLOCHEM LTD.
6986 Wellington Rd. 124,
Guelph, Ontario, N1H 6J4

SECTION 2 - COMPOSITION/INFORMATION INGREDIENTS:

<u>Ingredients</u>	<u>CAS Number</u>	<u>%RANGE</u>
Ferric Sulphate	10028-22-5	50 - 66%
Sulphuric Acid	7664-93-9	< 0.1

SECTION 3 - HAZARDS IDENTIFICATION:

Warning ~ Irritating to Eyes, Skin, Respiratory and Digestive Tracts.

(See Section 11 for Toxicological Information)

SECTION 4 - FIRST AID:

Eye Contact: Immediately flush eyes with running water for at least 15-20 minutes, keeping eyelids open. Seek immediate medical attention.

Skin Contact: Remove contaminated clothes as quickly as possible. Thoroughly wash the contaminated skin with running water and non-abrasive soap for a minimum of 15-20 minutes. If irritation persists, seek immediate medical attention. Wash contaminated clothing before reuse.

Inhalation: Move victim to fresh air. Administer artificial respiration, if necessary. Seek immediate medical attention.

Ingestion: **Do not induce vomiting.** Never give anything by mouth to an unconscious person. Administer water to dilute material in the stomach. Seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES:

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Oxides of Sulfur. Sulphuric Acid could react with metals to produce hydrogen sulfide.

Fire Fighting Media and Instructions: Non-combustible. Use Dry Chemicals, CO₂, water spray or foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Restrict access to the site. Stop leak if possible and wear appropriate PPE. Absorb with neutralizer such as lime or soda ash and place in appropriately marked containers for disposal. Advise appropriate environmental authorities.

For large releases, avoid entry into sewers or waterways and isolate area. Pump liquid material into appropriate containers or absorb with clay absorbents. Neutralize residue with lime or soda ash, this can generate carbon dioxide so additional ventilation may be required.

SECTION 7 - HANDLING & STORAGE:

Handling: Do not breathe fumes or vapours. If ventilation is not suitable, wear suitable respiratory equipment, and wear appropriate PPE. Avoid skin and eye contact.

Storage: Keep away from heat. Keep container dry and away from incompatibles such as alkalies.

SECTION 8 - EXPOSURE CONTROLS:

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Personal Protection: Chemical goggles/face shield. Full chemical suit, gloves, and rubber boots. Vapour and dust respirator.

SECTION 9 - PHYSICAL PROPERTIES:

Physical State and Appearance: Red/Brown

Odour: Acidic

pH as is < 1

Boiling Point: 105°C – 110°C (220- 230°F)

Vapour Pressure: N/A

Specific Gravity: 1.43 – 1.56

Solubility: Soluble

SECTION 10 - STABILITY & REACTIVITY:

Stability: The product is stable.

Incompatibility with Various Substances: Contact with mineral acids, excessive heat, bases/alkalies.

Corrosivity: Strongly corrosive to metals and mild steel.

Hazardous Polymerization: Does not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION:

Route of Entry: Eye/skin contact. Inhalation. Ingestion.

Chronic Effects on Humans: Extremely hazardous in case of skin contact (corrosive).

SECTION 12 - ECOLOGICAL CONSIDERATIONS:

Ecotoxicity: Not available.

SECTION 13- DISPOSAL CONSIDERATIONS:

Waste Disposal: Disposal must comply with hazardous waste disposal requirements accordance with federal, provincial and municipal laws.

SECTION 14 - TRANSPORT INFORMATION:

TDG Classification: Class 8, UN 3264, Packing Group III

Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (*Ferric Sulphate Solution*)

SECTION 15 - REGULATORY INFORMATION:

WHMIS Class E, Corrosive

This product is listed in both the DSL and TSCA Inventory Lists.

NFPA: Health:	2
Flammability:	0
Reactivity:	0

SECTION 16 - OTHER INFORMATION:

Disclaimer:

The information contained herein is based on data considered to the best of our knowledge to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof.

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Last Updated: October 14, 2014

- END OF MSDS -



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