

**MATERIAL SAFETY DATA SHEET**

**42% Ferric Sulphate Solution**

**SECTION 01 – PRODUCT AND COMPANY INFORMATION**

**Product Name** ..... Ferric Sulphate  
**Synonyms** ..... Ferric Sulphate  
**Product Use** ..... No data available  
**Supplier Name**..... LogiChem Pty Ltd incorporating Jostek Chemicals  
**Address**..... 13 Brinsden Road, off Craig Road, West Kalgoorlie, Australia  
 PO Box 878 Kalgoorlie WA 6433 Australia  
**Phone** ..... (08) 9091-7708  
**Fax** ..... (08) 9091-7709  
**24 Hour Emergency Phone**..... (08) 9091-7708

**SECTION 02 – COMPOSITION**

<b>Chemical Components</b>	<b>Cas No.</b>	<b>Proportion</b>
Ferric sulphate	(10028-22-5)	40 – 45%
Water	(7732-18-5)	Balance %

**SECTION 03 – HAZARDS IDENTIFICATION**

Not classified as hazardous according to criteria of Worksafe Australia

**Hazard Category**..... Corrosive, Harmful, Irritant  
**Risk Phrases** .....R20 Harmful by inhalation  
 R36/38 Irritating to eyes and skin  
**Safety Phrases** .....S24/25 Avoid contact with skin and eyes  
 S46 If swallowed seek medical advice immediately and show this label or container.

Classified as non-dangerous goods according to the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road or Rail.

**Poison Schedule (Aust)** ..... N/A

**SECTION 04 – FIRST AID MEASURES**

Ensure an eye bath and safety shower are available ready for use.

**Ingestion** ..... DO NOT induce vomiting. Rinse or wash mouth with plenty of water after which, if victim is conscious, induce copious drinking water. Seek medical attention.  
**Eye** ..... Immediately hold eyelids open and was continuously with water for at least 15 minutes. Seek medial attention if irritation persists.  
**Skin** ..... Remove contaminated shoes and clothing and launder before reuse. Flush affected areas with plenty of water.  
**Inhalation** ..... Not a health risk via this route.

**MATERIAL SAFETY DATA SHEET**

**42% Ferric Sulphate Solution**

**SECTION 05 – FIRE FIGHTING MEASURES**

- Flammability** ..... Solution is non flammable but under high temperatures sulphur trioxide could be evolved.
- Extinguishing Media** ..... Carbon dioxide (CO<sub>2</sub>). Dry Chemicals, sand dolomite etc. Fire fighters should wear full protective clothing including self contained breathing apparatus. Use equipment/extinguishing media appropriate to surrounding fire conditions. Cool containers exposed to flames with water well after fire is out. Avoid water in straight hose stream; will scatter and spread fire.

**SECTION 06 – ACCIDENTAL RELEASE MEASURES**

- Leak / Spill** ..... Clean-up personnel should wear full protective clothing. Contain as much as possible. Absorb with inert absorbent, collect and hold for waste disposal. For the balance, or for small spills flush away with copious amounts of water.

**SECTION 07 – HANDLING & STORAGE**

- Handling Procedures** ..... Prevent possible eye and skin contact by wearing protective clothing and equipment.
- Storage** ..... Store in a cool, dry area away from foodstuffs.

**SECTION 08 – PERSONAL PROTECTION AND EXPOSURE CONTROLS**

**Personal Protective Equipment**

- Eyes** ..... Safety goggles
- Gloves & Clothing & Footwear** .... Wear impervious gloves, clothing and boots
- Other** ..... Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

**Engineering Controls**

- Ventilation requirements** ..... Ensure adequate ventilation to maintain exposure levels to a minimum. Solution is acidic and stainless, rubber, PVC, polyethylene, polypropylene and GRP materials should be used to handle the product.

**SECTION 09 – PHYSICAL AND CHEMICAL PROPERTIES**

- Form / Colour / Odour** ..... Red-Brown Viscous Liquid
- pH** ..... <1
- Water Solubility** ..... Soluble
- Boiling Point (C)** ..... 103 -105
- Freezing Point** ..... -15 - -25
- Flash Point (C) PMCC** ..... N/A
- Specific Gravity (Water =1)** ..... 1.5
- Vapour Pressure (hPa @ 20°C)** ... N/A

**MATERIAL SAFETY DATA SHEET**

**42% Ferric Sulphate Solution**

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability** ..... Normally stable.

**Incompatibility** ..... Avoid heating in air. Avoid strong bases copper, zinc and their alloys. Attacks many metals liberating hydrogen gas which is highly flammable and may form an explosive mixture with air.

**SECTION 11– TOXICOLOGICAL INFORMATION**

**Acute Health Effects**

**Ingestion** ..... Non poisonous but a dose above 10mg can give risk to systemic problems.

**Eye** ..... Moderate irritation.

**Skin** ..... Irritates on prolonged contact and dermatitis could result form contact with sensitive skin.

**Inhalation** ..... Not a health risk via this route.

**Chronic Health Effects**

No data available.

**SECTION 12 – ECOLOGICAL INFORMATION**

No data available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of as special waste in compliance with local and national regulations. Offer surplus and non-recyclable to a licensed waste disposal company

**SECTION 14 – TRANSPORTATION INFORMATION**

**Proper Shipping Name** ..... Corrosive liquid, NOS (Ferric Sulphate)

**UN Number** ..... N/A

**Dangerous Goods Class** ..... N/A

**Subsidiary Risk** ..... N/A

**Packaging Group** ..... N/A

**Hazchem Code** ..... N/A

**Emergency Procedure Guide** ..... N/A

**Label** ..... N/A

**SECTION 15 – OTHER INFORMATION**

**Contact Person** ..... Jonty Eales – General Manager  
Telephone 08 9091-7708 (24 hours)

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.