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SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION:

FERROMEX

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Substance: A solution of inorganic iron and trace-elements including manganese, cobalt, nickel, zinc, molybdenum, copper. Contains 6% iron as Fe on a w/v basis.

3. HAZARDS IDENTIFICATION:

Skin: Mild irritant
Eyes: Will cause irritation
Ingestion: No hazard during industrial use

4. FIRST AID MEASURES:

Skin and eyes: Irrigate eyes well with water. Wash skin with soap and water
Ingestion: Drink water. Do not induce vomiting. Seek medical advice.
Inhalation: Remove to fresh air.

5. FIRE FIGHTING MEASURES:

Product is non-flammable

6. ACCIDENTAL RELEASE MEASURES:

Small spillage should be diluted with water promptly. Larger spillage should be contained with sand or earth. Collect liquid by pumping into an emergency tank. Wash down contaminated area with water. Take care to avoid contamination of sewer or water courses and inform the appropriate water authorities if necessary.

7. HANDLING AND STORAGE:

Safety glasses and gloves should be worn when handling product. Products should be stored in vessels designed for that purpose. Tanks or storage areas should be adequately banded.

Materials:
Unsuitable: Copper, Aluminium,
Suitable: Stainless Steel, Various Rubbers, Polypropylene, PVC, PVDF, HDPE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Protective equipment: PVC suit and gloves, acid resistant boots, eye goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Green liquid
Odour: Slight
pH: 2 - 3
Boiling Point: 100+ °C
Density: 1.19
Solubility: Completely miscible with water.
Crystallization point: - 9 °C
Flash Point: None

10. STABILITY AND REACTIVITY:

Stability: Stable at normal temperature and pressure
Conditions to avoid: Extremes of temperature
Incompatibility: Strong acids; Exothermic reaction could eventually release sulphur dioxide.
toxic fumes Alkalis/bases; Reacts violently.
Oxidising agents; Reacts violently
Others; Dissolves iron, copper.
Hazardous decomposition products: Ultimate thermal decomposition products would be toxic fumes of sulphur dioxide.
Oxidises slowly in air to form brown ferric salts.

11. TOXICOLOGICAL INFORMATION:

Eyes smart. Leaves a brown stain on skin and has a degreasing action which may cause a dry dermatitis. Following a very significant ingestion it may result in an iron rich blood stream. LD₅₀ Rat > 1480mg/kg.

12. ECOLOGICAL INFORMATION:

Acute toxicity to fish: 96hr. LC₅₀ = 0.8 mg/l (as Fe). No adverse effect on sewage organisms reported.

13. DISPOSAL CONSIDERATIONS:

Dispose of product or contaminated materials using a licensed contractor in accordance with waste disposal regulations.

14. TRANSPORT INFORMATION:

None required.

15. REGULATORY INFORMATION:

Classification: Harmful
Risk Phrase: Harmful if swallowed
Safety Phrases: Keep away from food and drink
SI 1981/1059 Dangerous substances (Conveyance in road tankers and tank containers) Regulations
SI 1984/1244 Classification, packaging and labelling of dangerous substances regulations

16. OTHER INFORMATION:

This information is based on the health and safety requirements for the intended use of the product.

