

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: Iron (III) chloride hexahydrate

CAS #: 10025-77-1

FORMULA: FeCl₃.6H₂O

SYNONYM: Ferric chloride, hexahydrate, Ferric trichloride hexahydrate, iron trichloride hexahydrate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	10025-77-1	100	1 mg/m ³ (Sol Fe)	no data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritant and poison. Ingestion of moderate amounts of soluble iron salts leads to lethargy, nausea, fast weak pulse, coma and death. May cause liver damage.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, eyes, skin

EYE CONTACT: May cause moderate to severe irritation of the eyes.

SKIN CONTACT: May cause irritation, redness, and pain to skin.

INHALATION: Dust causes coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

INGESTION: Soluble iron salts may cause poisoning.

CHRONIC HEALTH EFFECTS: Prolonged ingestion may lead to damage to the liver and pancreas. Prolonged inhalation of dusts may cause pulmonary fibrosis.

ACUTE HEALTH EFFECTS: Pink urine discoloration is a strong indicator of iron poisoning. Liver damage, coma and death may follow, sometimes delayed as long as three days. Antidotes may be administered by expert medical personnel.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if