

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 (II) chloride tetrahydrate
CAS #: 23838-02-0
FORMULA: FeCl₂·4H₂O
SYNONYM: Ferrous chloride hydrate. Iron dichloride, tetrahydrate.

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13478-10-9	100	1mg/m ³ (as soluble iron)	1mg/m ³ (as soluble iron)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Corrosive. Causes severe irritation or burns. Ingestion of moderate amounts leads to lethargy, nausea, fast weak pulse, coma and death. May cause liver damage.
PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, eyes, skin
EYE CONTACT: Corrosive. Contact with the eyes causes severe irritation, burns, redness, and pain.
SKIN CONTACT: Corrosive. Causes severe irritation, redness, pain, and skin burns.
INHALATION: Corrosive irritant. Causes coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.
INGESTION: Causes severe burns of the mouth, throat, and stomach, and iron poisoning.
CHRONIC HEALTH EFFECTS: Prolonged ingestion may lead to damage to the liver and pancreas
ACUTE HEALTH EFFECTS: Pink urine discoloration is an indicator of iron poisoning. Liver damage, coma and death may follow, sometimes delayed as long as three days. Antidotes may be administered by 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 conscious). Induce vomiting only if directed by medical personnel.