

IMPORTANT
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 OSHA requires that this form be kept on file.

Product No. C3763T
 Product Name IRON III CHLORIDE,
6-HYDRATE

24 HOUR EMERGENCY ASSISTANCE
CHEMTREC 800-424-9300
HAZARD RATING

4-EXTREME	Health Hazard	1
3-SEVERE	Flammability	0
2-MODERATE	Reactivity	1
1-SLIGHT		
0-MINIMAL		

SECTION I	NAME
Chemical Synonyms	Iron Chloride
Formula	FeCl ₃ ·6H ₂ O
C.A.S. No.	10025-77-1

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

N/A
 471
 4

Principal Hazardous Component(s)	%	P.E.L.	TLV Units

* chemical subject to the reporting requirements of SARA Title III.

SECTION III PHYSICAL DATA

Melting Point (°F)	37°C	Specific Gravity (H ₂ O=1)	1.82
Boiling Point (°F)	280-300°C (loses water/dec.)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Very		
Appearance & Odor	Yellow/brown crystals/lumps, slight hydrochloric odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	Lower	Upper
Extinguisher Media	Use any medium suitable for extinguishing supporting fire.			

Special Firefighting Procedures

In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

considered to be a fire/explosion hazard.

D.O.T. Ferric chloride, 8, UN1773, PGIII

SECTION V HEALTH HAZARD DATA**Threshold Limit Value**1 mg/m³ (as Fe) TWA**Effects of Overexposure**

Acute: Irritation and possibly burns to skin, eyes, lungs, mucous membranes, and GI tract. Nausea. **Chronic:** Systemic metal poisoning hazard. Liver/kidney damage.

Emergency and First Aid Procedures

Skin: Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention, if irritation develops or persists. **Eyes:** Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. **Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION VI REACTIVITY DATA

Stability		Conditions to Avoid
Stable <input checked="" type="checkbox"/>	Unstable <input type="checkbox"/>	None
Incompatibility (Materials to Avoid)		Metals, allyl chloride, water (in water may produce hydrochloric acid fumes).
Hazardous Decomposition Products		Hydrogen chloride fumes.
Hazardous Polymerization		Conditions to Avoid
May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>	None

SECTION VII SPILL OR LEAK PROCEDURES**Steps to be Taken in Case Material is Released or Spilled**

Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from inhalation of dust. Spills: Clean up in a manner that does not disperse dust into air.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose in a RCRA approved waste facility or sewer the neutralized slurry with excess water if local ordinances allow.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Dust		
Ventilation	Local Exhaust	X	Special
	Mechanical (General)	X	Other
Protective Gloves	Rubber	Eye Protection	Goggles
Other Protective Equipment	Lab Coat		

SECTION IX SPECIAL PRECAUTIONS**Precautions to be Taken in Handling & Storing**

Container tightly closed when not in use.

Store in a cool dry location.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

None

Approved by Steven C. Quandt	Effective Date 02/07/95	For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
-------------------------------------	--------------------------------	--

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.