



Siddharth Chlorochem PVT LTD

## Material Safety Data Sheet

MSDS No: SCPL/009

Preparation Date: August/2019

Revision Date: May/2022

Product Name: Ferric Chloride Liquid



Reactivity	2
Fire	0
Health	3

### 1. IDENTIFICATION OF PRODUCT/DETAILS OF MANUFACTURING COMPANY

Product Name	Ferric Chloride Liquid
Product Code	SCPL/009
Product use	General purpose, Industrial Purpose
Company Name	Siddharth Chlorochem Pvt. Ltd.
Postal address	Plot No: 313 Phase II GIDC Panoli, Dist: Bharuch, Guj, India
Telephone	+91 2646 272406
Fax	+91 2646 272691
E-mail	<a href="mailto:director@siddharthchlorochem.com">director@siddharthchlorochem.com</a>

### 2. CHEMICAL INFORMATION ON INGRADIENTS

Physical Property	Liquid form			
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard</u>
	Ferric Chloride Liquid	7705-08-0	35-45% min	Yes (Read entire MSDS)
	Water	7732-18-5	55-65% min	
Chemical structure	<b>FeCL3, Iron (III) Chloride, Iron tri chloride</b>			



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### 3. HAZARDS IDENTIFICATION

- a. Corrosive! Harmful to inner respiratory systems if swallowed in large quantity. Causes several skin and eye burns. Vapors are extremely irritating to eyes and respiratory tracks.
- b. Skin Contact: Corrosive! Burns can occur if not promptly removed. Concentrated solution may cause pain and deep and severe burns to the skin.
- c. Eye contact: Extremely corrosive! This product causes corneal scarring and clouding. Glaucoma, cataracts and permanent blindness may occur.
- d. Other health effects: Corrosive effects on skin and eye may be delayed, and damage may occur without the sensation or onset of pain.

### 4. FIRST AID MEASURES

<b>Inhalation</b>	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no Breathing and no pulse. Oxygen administration may be beneficial in This situation but should only be administered by personnel trained.
<b>Ingestion</b>	Do not attempt to give anything by mouth to an unconscious person. Immediately contact local poison control center. If victim is alert & not convulsing rinse mouth out and give 1 to 2 glasses of milk. Water may be used if milk is not available but it is not as effective. If Spontaneous vomiting occurs have victim lean forward with head Down to avoid breathing in of vomitus, rinse mouth and Administrator more milk or water.
<b>Skin</b>	Prompt removal of the material from the skin is essential. Remove all contaminated clothing and immediately wash the exposed area with copious amount of water for min of 30 min.
<b>Eye</b>	Immediately flush eye with running water for min 30 minutes. Hold Eyelids open during flushing. If irritating persists repeat flushing.
<b>Advice to Doctor</b>	Immersed the exposed part immediately in ice water to relieve pain and to prevent swelling & blistering. Place cold packs, ice or wet clothes on the burned area if immersion is not possible.



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## 5. FIRE FIGHTING MEASURES

<b>Fire hazards</b>	Non-flammable.
<b>Extinguishing media</b>	Water spray, carbon dioxide foam or dry agent.
<b>Precaution</b>	Use water spray to cool fire-exposed containers or structures. Use water spray to disperse vapors. Isolate materials that are not involved in the fire and protect personnel. The heat from fire may build-up pressure in the container and may rupture.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Spills &amp; Disposal</b>	Sweep up spills together with dust blinding agent or use a vacuum cleaner. Clean up personnel should wear protective glasses and dust mask. Place waste in labeled drums for disposal by incineration.
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## 7. HANDLING AND STORAGE

<b>Handling</b>	Use normal "good" industrial hygienic and housekeeping practice Container exposed to heat may be under internal pressure. These should be cooled and vented before opening.
<b>Storage</b>	Store in a cool dry place. (Temp. range: 10-35 degree) Store away from organic acid & strong bases. Special material is to be used for packing to store the same like Teflon, polypropylene, PVC, rubber lined steel.

## 8. EXPOSURE CONTROLS/PERSONEL PROTECTION

<b>Exposure information</b>	We recommend the following for nuisance fumes, dusts: TWA 10 mg/m <sup>3</sup>
<b>Respiratory</b>	Avoid inhalation of fumes
<b>Eye protection</b>	Avoid contact with eyes
<b>Personnel protective Equipment</b>	Safety glasses and gloves recommended and dust mask in accordance with AS1715 and AS1716.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Dark brown liquid
<b>Melting point</b>	Approx. 306 degree C
<b>PH value</b>	Highly acidic
<b>Volatile compound</b>	Not available
<b>Flash point</b>	>100 degree C
<b>Flammability</b>	Non-flammable
<b>Ignition</b>	Not available
<b>Molecular Wt.</b>	162.21 g/mol
<b>Solubility in water</b>	very good

## 10. STABILITY AND REACTIVITY

<b>Reaction hazard</b>	If react with strong bases
<b>Haz polymerization</b>	Not possible
<b>Decomposition product</b>	Sodium chloride

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology</b>	Actuate oral toxicity: LD50 900 mg/Kg (rat)
<b>Irritating</b>	Actuate skin irritation:
<b>Inhalation</b>	Is likely to cause respiratory irritation
<b>Ingestion</b>	Harmful if swallowed in large quantity
<b>Skin</b>	Prolonged or repeated skin contact may cause irritation. It is likely To cause discomfort and effects such as moderate to serve itchiness Blistering and skin reddening.
<b>Eye</b>	This product is irritating to eyes. It will cause discomfort such as Stinging pain, watering and redness of the eyes. Effects may last after Exposure has ceased, and in severer exposures, long lasting or even Permanent effects such as corneal damage can occur.



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## 12. ECOLOGICAL INFORMATION

<b>Information on</b>	Fish Not Available
	Dophia Not Available
	Algae Not Available

## 13. DISPOSAL CONSIDERATION

<b>Deactivating chemicals</b>	Neutralize carefully with soda ash or sodium bicarbonate to a ph of 7 Neutralization is expected to be an exothermic.
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## 14. TRANSPORT INFORMATION

<b>U.N. Number</b>	Please consult North American Emergency guide book, via UN 2582 for guidance on addressing spills.
<b>Shipping Description</b>	Class 8, UN 2582, Packing group: III
<b>Label</b>	Corrosive.
<b>EMS</b>	F A, S B
<b>Marine Pollutant</b>	No

## 15. REGULATORY INFORMATION

<b>Safety Phrase</b>	In case of contact with eyes rinse immediately with plenty of water And take medical attention.
<b>Poisons Schedule</b>	Not poison
<b>Hazard category</b>	Non-flammable, Irritating to eyes



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## 16. OTHER INFORMATION

### Contact person

Mr. Hitesh Shah Tech Director of Siddharth Chlorochem Pvt. Ltd.  
Tele: +91 980 702 6666

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