



Siddharth Chlorochem PVT LTD

Material Safety Data Sheet

MSDS No: SCPL/013

Preparation Date: August/2018

Revision Date: May/2022

Product Name: Hydrochloric acid (33-35%)



Reactivity	1
Fire	0
Health	3

1. IDENTIFICATION OF PRODUCT/DETAILS OF MANUFACTURING COMPANY

Product Name	Hydrochloric acid (33-35%)
Product Code	SCPL/013
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
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E-mail	director@siddharthchlorochem.com

2. CHEMICAL INFORMATION ON INGREDIENTS

Physical Property	Liquid form			
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard</u>
	Hydrochloric acid (33-35%)	7647-01-0	33-35% min	Yes (Read entire MSDS)
Chemical structure	HCl (Synonyms: Muriatic acid, Hydrogen chloride)			



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3. HAZARDS IDENTIFICATION

- a. Corrosive! Harmful to inner respiratory systems if swallowed in large quantity. Causes serval 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

Inhalation	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 administrated by personnel trained.
Ingestion	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.
Skin	Prompt removal of the material from the skin is essential. Remove all All contaminated clothing and immediately wash the exposed area With copious amount of water for 30 min.
Eye	Immediately flush eye with running water for min 30 minutes. Hold Eyelids open during flushing. If irritating persists repeat flushing.
Advice to Doctor	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

Fire hazards	Non-flammable.
Extinguishing media	Water spray, carbon dioxide foam or dry agent.
Precaution	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

Spills & Disposal	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

Handling	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.
Storage	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

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



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White or light-yellow liquid
Melting point	Approx. -58 to -55 degree C
PH value	Highly acidic
Volatile compound	Not available
Flash point	>100 degree C
Flammability	Non-flammable
Ignition	Not available
Molecular Wt.	36.5
Solubility in water	very good

10. STABILITY AND REACTIVITY

Reaction hazard	If react with strong bases.
Haz polymerization	Not possible
Decomposition product	Sodium chloride.

11. TOXICOLOGICAL INFORMATION

Toxicology	Actuate oral toxicity: LD50 1500-2000 mg/Kg (rat)
Irritating	Actuate skin irritation:
Inhalation	Is likely to cause respiratory irritation
Ingestion	Harmful if swallowed in large quantity
Skin	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.
Eye	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

Information on	Fish 96h-150: 282 mg/L Dophia 24h-EC50: 100-330 mg/L Algae 72h-IC50: 100-330 mg/L
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13. DISPOSAL CONSIDERATION

Deactivating chemicals	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

U.N. Number	Please consult North American Emergency guide book, via UN# for guidance on addressing spills.
Shipping Description	Class 8, UN 1789, Packing group: II
Label	Corrosive.
EMS	F A, S B
Marine Pollutant	No

15. REGULATORY INFORMATION

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



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16. OTHER INFORMATION

Contact person

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