Material Safety Data Sheet

Hydrochloric Acid LR 500 ml (RXSOL-60-6101-500)

1. Product and Company Identifaction

Product Name **Hydrochloric Acid**

Product Type

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Kolkata, Visakhapatnam, Chennai, Fujairah, Barka Muscat, Canada, Kennya

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
	Hydrochloric Acid	CAS# 7647-01-0	33-36	V/V	OSHA PEL (C) 5 ppm, (C) 7 mg/m3
	Water, Deionized ASTM type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

My cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview:	As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.
Inhalation:	Avoid breathing vapor or dust. Use with adequate ventilation.
Ingestion:	May cause severe irritation and burns. May be harmful if swallowed.
Skin:	Avoid contact with skin, and clothes. Wash thoroughly after handling.
Eye Contact:	Avoid contact with eyes
Aggravated by Exposure:	Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects.

4. First Aid Measures

May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID:

SKIN:	Remove contaminated clothing. Wash exposed area with soap and water. If irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
INGESTION:	Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire/Explosion Hazards:	None known
Firefighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.
Dilute with water and flush to sewer if local ordinances allow, otherwise, whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

7. Handling and Storage

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

8. Exposure controls and personal protection

Respiratory protection	None Required
Ventilation	Local Exhaust Mechanical
Protective gloves	Gloves to prevent skin exposure (e.g., rubber or vinyl)
Eye protection	Goggles and face shield
Other protective equipment	Wear appropriate clothing to prevent skin exposure.

9. Physical and chemical properties

Melting Point	~0°C
Boiling Point	~100°C
Vapor Pressure	Information not available
Vapor Density	Information not available

Solubility In Water	Soluble
Appearance/Odors	Colorless, odorless
Flash Point	Not Applicable
Percent Volatile By Volume	> 99%
Evaporation Rate	Information not available
Evaporation Standard	
Auto Ignition Temp	Not Applicable
Lower Flamm. Limit In Air	Not Applicable
Upper Flamm. Limit In Air	Not Applicable
Specific Gravity	~ 1

10. Stability and reactivity

Stability	Stable
Conditions to Avoid	Avoid Light
Materials to Avoid	Halides, ammonia, phosphates, bases.
Hazardous Decomposition Products	HCl Fumes, Chlorine
Hazardous Polymerization	Will not occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: Hydrogen Chloride - IARC Category 3, NTP Carcinogen - Known: No

12. Ecological information

Environmental Fate	When released into the soil, this material is not expected to biodegrade. When released into the soil, this material may leach into groundwater.
Environmental Toxicity	This material is expected to be toxic to aquatic life.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

DOT Classification: Hydrochloric Acid, 8, UN1789, PG II
DOT regulations may change from time to time. Please consult the most recent DOT regulations.

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
Hydrogen Chloride (7647-01-0)
Water (7732-18-5)

TSCA	Yes	Yes
EC	Yes	Yes
Japan	Yes	Yes
Australia	Yes	Yes

Chemical Inventory Status
Part 2:Ingredient
Hydrogen Chloride (7647-01-0)
Water (7732-18-5)

Korea	Yes	Yes
DSL	Yes	Yes
NDSL	No	No
Phil.	Yes	Yes

Federal, State & International Regulations –
Part 1: Ingredient
Hydrogen Chloride (7647-01-0)
Water (7732-18-5)

RQ	5000	No
TPQ	500	No
List	Yes	No
Chemical Catg	No	No

Federal, State & International Regulations –
Part 2:Ingredient
Hydrogen Chloride (7647-01-0)
Water (7732-18-5)

CERCLA	5000	No
261.33	No	No
8(d)	No	No
Chemical Weapons Convention	No	
TSCA 12 (b)	No	
CDTA	Yes	Mixture/Solid
SARA 311/312 : Acute	Yes	
Chronic	Yes	
Fire	No	
Pressure	No	
Reactivity	No	
Australian Hazchem Code	2R	
Poison Schedule	None allocated	

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rx Marine International be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.