

1. Product and Company Identification

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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, Kenya

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2. Composition / Information on ingredients

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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/m ³
	Water, Deionized ASTM type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

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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.

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

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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

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Fire Extinguisher Type:
Fire/Explosion Hazards:
Firefighting Procedure:

Any means suitable for extinguishing surrounding fire
None known
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

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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

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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

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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

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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

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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

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12. Ecological information

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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

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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

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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

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Chemical Inventory Status

Part 1:Ingredient

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

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