



HardwareCity
HardwareCity (S) Pte Ltd
Brand: YellowYellow
Manufactured in Malaysia

Material Safety Data Sheet

1. Identifi Of The Material And safety

Product Name YellowYellow Drain Choke Total Clear
Highly-concentrated Clearing Agent

2. Composition / Information On Ingredients

Ingredient Name Hydrochloric Acid Cas No. 764-01-0
Hydrochloric Acid Cas No.7664-39-3
water.

HCL 15% UN Number

Water 16% Packing Group

Recommended use Cleaning Drain

3. Hazards Indentification

Acute Effects

Eyes	Severe eye irritant. Highly corrosive to eyes.
Skin	Higly corrosive to skin
Inhalation	May cause irritattion to mouth , nose and throat.
Ingestion	Cause burn to mouth , throat and stomach. Ingestion result in nuasea, vomiting, abdominal pain , and convusions .If swallowed can kill.
Chronic Effect	Prolonged skin contact may cause chronic dermatitis.

4. First Aid Measures

Eyes	Irrigate with plenty of water for 15 minutes. In cases of eye contamination it is advisable to seek medical advice.
Skin	Wash skin with plenty of water. If irritation persists seek medical advice.
Inhalation	Do not consider a feature of normal use. If irritation remove to fresh air. If irritation persists seek medical advice.
Ingestion	Rinse mouth with water. Give water to drink. Do not induce vomiting. Seek medical advice. Treat symptomatically as for strong acid.

5. Fire Fighting Measures

Special Hazards	Non-Combustible
Extinguishing Media	This product is non-flammable and safe for fire in the surrounding use the appropriate extinguishing method for the area. The product is highly acidic, avoid contact with metals to release hydrogen gas and cause explosion.
Protective Equipment	Self-contained breathing apparatus.

6. Accidental Release Measures

Spillage Cleanup	Wash with plenty of water. Contain the spillage and absorb with sand and earth.
Personal Precaution	Turn leak side up to prevent further leakage.
Environmental	Do not discharge into the drain. Contain the spillage by using bunding. Seek authority for advice.

7. Handling And Storage

Handling Requirement	Avoid direct contact with eyes and skin. Always follow industrial safety practices.
Storage Condition	Store in cool and dry place and keep container closed.
Suitable Packaging	Must only be kept in original container.
Others	Refer to State Regulation for storage and transportation requirements.

8. Exposure Controls / Personal Protection

Work Place Exposures Limits

Hydrochloric Acid	OSHA PEL : 5 ppm (TWA) TLV : 2 ppm (TWA)
Respiratory Protection	Self-contained breathing apparatus must be available.
Eye Protection	Wear safety glasses ,face shield , viton rubber gloves and impervious apparel. Avoid direct skin and eyes contact.

9. Physical And Chemical Properties

Appearance	Clear Liquid
Colour	Colourless
Ordour	Fragrance Smell
pH	3 to 4
Boiling Point	NA
Flash Point	NA
Specific Gravity	1.02
Vapour Pressure	NA
Solbility in water	Soluble

10. Stability And Reactivity

Stability	Stable at room temperature.
Condition to Avoid	Do not mix with other chemical
Hazardous Decomposition of products	Heated my liberate hydrogen chloride and hydrogen fluoride gases.

11. Toxicological Information

Toxicity	As Hydrochloric acid :Oral rabbit LD50 :900mg / kg
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12. Ecological Information

Mobility	Mobile, readily absorbed into soil . Volatile and soluble in water.
Degradability	Degradable
Bio-Accumulation	No bio-accumulation

13. Disposal Consideration

Material	Refer to State Land Waste Management Authority.
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14. Transport Information

This product is categorised as Class 8- Corrosive for the Transport of Dangerous Good by Road and Rail.

15. Regulatory Information

Risk Statement	R 35 Causes severe burns.
Rise Statement	S2 Keep out of reach of children . S24/25 Avoid contact with skin and eyes S37/39 Wear suitable gloves, eyes and face protection.

16. Others Information

Packaging & Labelling	Class 8- Corrosive Packing Group 11 25 liter Carboy
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The informatio contained herein is based on the present on the percent of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulation