

HardwareCity

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

Material Safety Data Sheet

1. Identification Of The Material

Product Name YellowYellow Rust Remover

2. Information On Ingredients

Ingredient Name Oxalic acid dihydrate Cas No. 144-62-7

Hydrochloric Acid Cas No.7664-39-3

water.

 HCL
 25%
 UN Number
 1789 & 1790

 HF
 30%
 DG Class
 8

Water 45% Packing Group 11

Hazchem Code 3R Paison Schedule S6

Recommended Use Rust Remover

3. Hazards identification

Acute Effects

Eyes Severe eye irritant .Highly corrosive to eyes.

Skin Highly corrosive to skin

Inhalation May cause irritation to mouth , nose, throat. Ingestion Cause burn to mouth ,thorat and stomach.

Ingestion result in nuasea, vomiting, abdominal

painand convuisions . If swallowed can kill.

Chronic Effect Prolonged skin contact may cause chronic

dermatitis.

4. First Aid measures

Eyes Irritation with plenty of water for 15 minutesw.

In all 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 Not consider a feature of normal use. If irraitation

remove to fresh air.

If irraitation persists seek medical advice.
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

Ingestion

Special Hazards Non- Combustible.

Extinguishing Media This product is non -flammable vand for fire in the

surrounding usethe 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

Spillang Cleanup Wash with plenty of water. Contained the spillage

and absorb with sand and erath.

Personal Precaution Turn leak side up to prevent further laekage.
Environmental Do not discharge into the drain .Contained the

spillage by using bunding . Seek authority for

advice.

7. Handling And storage

Handling Requirement Avoid direct contact with eye and skin.

Always follow industrial safety practices.

Storage Condition Store in cool and dry place and keep comntainer

closed.

Suitable Packaging

others

Must only keep in original container.

Refer to State Regulation for storage and

transportation requirements.

8. Exposure Controls

Work place Exposure Limits

Oxalic acid dihydrate OSHA PEL :5ppm (TWA)

TLV:2 ppm (TWA)

Hydrofluoric acid OSHA PEL: 3ppm (TWA)

TLV:0.5ppm(TWA)

Engineering Measures Must have well ventilated area to remove

HCL & HF vapour.

Respiratory protection Self -contained braething apparatus must be

available.

Eye protection Wear safety glasses , face shield , viton rubber

glove and impervious apparel.

Avoid direct skin and eyes contact.

9. Physical And Chemical properties

Apperance clear Liquid
Colour Colourless
Odour Fragrance smell

PH 3 to 4
Boiling Point NA
Flash Point NA
Specific Gravity 1.02
Vapour Pressure NA
Solubility in water Soluble

10. Stability And Reactivity

Stability Stable at room temperature Condition to Avoid Do no mix with other chemical.

Hazardous Decomposition Heated may liberate hydrogen chloride and

of Product hydrogen fluoride gases.

11. Toxicological information

Toxicity Data As Oxalic acid dihydrate : Oral rabbit LD50 :900mg / kg

As Hydrofluoric :IHL HMN LCLD : 50ppm/30min

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