

## 1 IDENTIFICATION

2232003

Metal finishing

Hubbard-Hall Inc.  
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Waterbury, CT 06708  
Telephone : 203-756-5521  
Fax number: 203-756-9017

Emergency Phone Number  
CHEMTREC: 1 (800) 424-9300  
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## 2 HAZARDS IDENTIFICATION

### DANGER

Corrosive to Metals Hazard Category 1

Acute Toxicity-Oral Hazard Category 4

Skin Corrosion/Irritation Hazard Category 1A

Eye Damage/Irritation Hazard Category 1

Oxidizing Liquids Hazard Category 3

May be corrosive to metals.

Harmful if swallowed.

Causes severe skin burns and eye damage.

May intensify fire, oxidizer.

Keep only in original container.

Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Do not eat, drink or smoke when using this product.

Do not breathe dusts or mists.

Wash skin thoroughly after handling.

Keep away from heat.

Keep/Store away from clothing and other combustible material.

Take any precaution to avoid mixing with combustibles.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if you are symptomatic.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin(or hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Call poison center/doctor if you are symptomatic.

Wash contaminated clothing before reuse.



## 6 ACCIDENTAL RELEASE MEASURES

Prevent spilled product from drains, sewers, waterways and soil.

Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

## 7 HANDLING AND STORAGE

Use caution when combining with water. DO NOT add water to Caustic. ALWAYS add caustic to water while stirring to minimize heat generation. Do not get in eyes, skin or on clothing. Do not taste or swallow. Do not breath vapor or mist. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible and corrosion resistant. Observe good industrial hygiene practices.

Keep container tightly closed.

Store in cool dry place.

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Complete in water

N/A

N/A

N/A

N/A

## 10 STABILITY AND REACTIVITY

Contact with metal may release flammable hydrogen gas.

Stable under normal conditions

Hazardous polymerization does not occur.

Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40 °C.

Avoid contact with aluminum, tin, zinc, halogenated solvents, and strong oxidizers and acids.

Contact with metal (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.

## 11 TOXICOLOGICAL INFORMATION

Caustic 50% solution: LD50, Rat-300-500 mg/kg

Caustic 50% solution-LD50 Rabbit->2 g/kg

Severe irritation or burns to skin, eyes and respiratory system

Severe irritation or burns to skin, eyes and respiratory system

Not listed by IARC, NTP, OSHA, ACGIH

Eyes, Skin, Inhalation, Ingestion

## 12 ECOLOGICAL INFORMATION

Caustic-99 mg/L, 48 hrs

Unlikely

Disperses in water.

Pronounced solubility and mobility

## 13 DISPOSAL CONSIDERATION

## 14 TRANSPORT INFORMATION

