

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined

N/A=Not Applicable

Product: RUST REMOVER

Manufacturer: ESTEAM

Flammability: 0

Chem. Name: N/A

Trade Name: Rust Remover

Reactivity: 0

Chem. Family: Mixture

Use: Removal of rust, metallic and other stains

Health: 2

Protection:

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

HAZARDOUS INGREDIENTS

Phosphoric Acid

CAS #

7664-38-2

% WT

1-5

HAZARD DATA

LD50 1530 mg/kg (oral-rat)

EXPOSURE LIMITS (TLV)

1 mg/m3

Oxalic Acid

144627

1-5

LD50 475 mg/kg (oral-rat)

2 mg/m3

2-Butoxyethanol

111-76-2

1-5

LD50 1746 mg/kg (oral-rat)

25 ppm TWA

PHYSICAL DATA

Physical State: Liquid

Boiling Point (C): 100

Solubility in Water: 100%

Evaporation Rate: N/D

Freeze/Thaw

Stable: Yes

Percent Volatile (vol): N/D

Odor/ Appearance: Clear, sharp odor

Freezing Point (C): 0

Ph (undiluted): 0.6

Specific Gravity: N/D

Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N

Means of Extinction: All types

Special Procedures: Spray water to cool & control vapours

Explosion Sensitivity to Impact: N/A

Chemical Sensitivity to Static Discharge: N/A

Flashpoint (C) & Method: N/A

Conditions: N/A

Hazardous Combustion Products: Phosphorous oxide

Upper Explosion Limit (% by vol): N/A

Lower Explosion Limit (% by vol): N/A

Auto-ignition: N/A

Rate of Burning: N/A

Explosive Power: N/A

TDG/WHMIS: Non hazardous / E, D2B

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: None

Incompatible Substances: Bases, sulphides, phosphides, cyanides, acetylides, fluorides, silicocide and carbides.

TOXICOLOGICAL PROPERTIES

Route of Entry - Skin Contact: Y
Route of Entry - Skin Absorption: N
Route of Entry - Eye Contact: Y
Route of Entry - Inhalation: Y
Route of Entry - Ingestion: Y

Reproductive Effects Y/N: N/D
Carcinogenicity Y/N: N
Mutagenicity Y/N: N
Teratogenicity Y/N: N
TLV: N/D

Effects of Overexposure:

Acute Effects:

May cause severe skin irritation. If splashed in eyes, may cause severe burns or permanent eye damage. Inhalation of mist may cause nose and throat irritation. Ingestion may cause burns to the mouth & throat, pain in the stomach, nausea, vomiting, diarrhea & convulsions. In severe cases collapse and death.

Chronic Effects:

Skin contact may cause dermatitis.

PREVENTATIVE MEASURES

Gloves: Rubber
Eyes: Goggles

Footwear: Rubber Boots
Respirator: N/A

Clothing: Resistant coveralls
Other: N/A

Recommended Engineered Controls:
Use with adequate ventilation.

Leak & Spill Procedures:

Recover liquid into a sealed plastic container for disposal. Neutralize area with soda ash or lime and flush with water.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Store in a plastic or acid resistant container in a clean dry area.

FIRST AID MEASURES

Inhalation: Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress.

Ingestion: Do not induce vomiting. Rinse mouth several times with cold water. Drink large amounts of water. Seek medical attention.

Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Contact a physician if irritation persists.

Skin Contact: Immediately flush skin for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

Prep./Revised Date: January 15, 2015

Prepared By: R. Russell

Source Material: Manufacturer's MSDS

Emergency Response: 1-613-996-6666 (Transport Emergencies)

Mailing Address: Esteam Manufacturing Ltd.
3750-19th Street NE Calgary, AB T2E 6V2



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.