

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined
N/A=Not Applicable

Product: ULTRA RELEASE

Manufacturer: ESTEAM

Flammability: 0

Chem. Name: N/A

Trade Name: Ultra Release

Reactivity: 0

Chem. Family: Mixture

Use: Rinse extraction concentrate

Health: 2

Protection:

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

HAZARDOUS INGREDIENTS

CAS #

% WT

HAZARD DATA

EXPOSURE LIMITS (TLV)

Hydroxyacetic Acid

79-14-1

30-80

LD50 50 4240 mg/kg (oral-rat)

N/A

PHYSICAL DATA

Physical State: Liquid

Boiling Point (C): N/D

Solubility in Water: 100%

Evaporation Rate: N/D

Freeze/Thaw

Stable: Yes

Percent Volatile (vol): N/D

Odor/Appearance: Blue, clear, floral odor

Freezing Point (C): N/D

Ph (undiluted): 2.2

Specific Gravity: N/D

Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N

Means of Extinction: N/A

Special Procedures: N/A

Explosion Sensitivity to Impact: N/A

Chemical Sensitivity to Static Discharge: N/A

Flashpoint (C) & Method: N/A

Conditions: N/A

Hazardous Combustion Products: May generate H2 on metal contact.

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: Corrosive Liquid N.O.S.
(Glycolic Acid) Class 8 UN#
1760 PG II / E, D2B

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: N/D

Incompatible Substances: Most metals, yielding hydrogen gas.

TOXICOLOGICAL PROPERTIES

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

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

Effects of Overexposure:

Acute Effects:

Vapour may be irritating to nose, throat. Eyes: product can cause severe burns. Skin: prolonged contact can cause burns. Ingestion: may cause corrosion of mucous membranes with stomach discomfort, nausea and prostration.

Chronic Effects:

N/D

PREVENTATIVE MEASURES

Gloves: Impervious
Eyes: Safety glasses

Footwear: Boots
Respirator: N/A

Clothing: N/A
Other: N/A

Recommended Engineered Controls:

Use with adequate ventilation.

Leak & Spill Procedures:

Neutralize with alkaline material. Flush area with water.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Keep container tightly closed. Store in a cool, dry place away from children.

FIRST AID MEASURES

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

Ingestion: Contact a physician. Do not induce vomiting. Give large quantities of water.

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 8, 2010

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.