

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

Product: BLOOD REMOVER

Chem. Name: Mixture

Chem. Family: N/A

Manufacturer: ESTEAM

Trade Name: Blood Remover

Use: Blood stain remover for soft fiber

Flammability: 0

Reactivity: 0

Health: 2

Protection:

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

HAZARDOUS INGREDIENTS

Ammonium Hydroxide

CAS #

1336-21-6

% WT

1-8

HAZARD DATA

LD50 350 mg/kg (oral-rat)

EXPOSURE LIMITS (TLV)

25 ppm

PHYSICAL DATA

Physical State: Liquid

Odor/ Appearance: Clear liquid

Boiling Point (C): >100C

Freezing Point (C): 0 C

Solubility in Water: 100%

Ph (undiluted): 11.3

Evaporation Rate: N/D

Specific Gravity: >1

Freeze/Thaw

Stable: Yes

Percent Volatile (vol): N/D

Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N

Means of Extinction: Water

Special Procedures: Avoid vapors if material overheated

Explosion Sensitivity to Impact: N/A

Chemical Sensitivity to Static Discharge: N/A

Flashpoint (C) & Method: None

Conditions: N/A

Hazardous Combustion Products: N/A

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 / D2B, E

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: Ammonia compounds

Incompatible Substances: Strong acids

TOXICOLOGICAL PROPERTIES

Route of Entry - Skin Contact: Y

Route of Entry - Skin Absorption: N

Route of Entry - Eye Contact: Y

Route of Entry - Inhalation: N

Route of Entry - Ingestion: Y

Reproductive Effects Y/N: N

Carcinogenicity Y/N: N

Mutagenicity Y/N: N

Teratogenicity Y/N: N/D

TLV: N/D

Effects of Overexposure:

Acute Effects:

May cause eye and skin irritation on contact. May cause discomfort or diarrhea. Inhalation may cause dizziness and unconsciousness.

Chronic Effects:

Prolonged or frequent exposure may cause dermatitis.

PREVENTATIVE MEASURES

Gloves: Rubber

Eyes: Safety glasses

Footwear: N/A

Respirator: N/A

Clothing: N/A

Other: None

Recommended Engineered Controls:

General ventilation is normally sufficient except where large quantities are being used.

Leak & Spill Procedures:

Flush area with water to a sanitary sewer.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Keep from freezing, keep away from acids. Store below 40 C.

FIRST AID MEASURES

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

Ingestion: Contact a physician.

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

Skin Contact: Wash thoroughly with cold water.

Prep./Revised Date: May 1, 2007

Prepared By: R. Russell

Source Material: Manufacturer's MSDS

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

Mailing Address: Esteam Manufacturing Ltd.

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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.