

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

Product: HD UPHOLSTERY PRESPRAY

Manufacturer: ESTEAM

Flammability: 0

Chem. Name: N/A

Trade Name: Upholstery Prespray

Reactivity: 0

Chem. Family: Mixture

Use: Upholstery cleaning product

Health: 2

Protection:

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

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
2-Butoxyethanol	111-76-2	10-25	LD50 1746 mg/kg (oral-rat)	25 ppm TWA
Aqua Ammonia	1336-21-5	1-5	LD50 350 mg/kg (oral-rat)	25 ppm
Tetra sodium salt of ethylene diamine	64-02-8	1-5	LD50 3030 mg/kg (oral-rat)	N/A
tetra acetic acid				

PHYSICAL DATA

Physical State: Liquid

Boiling Point (C): 205 F

Solubility in Water: 100%

Evaporation Rate: N/D

Freeze/Thaw

Stable: Yes

Percent Volatile (vol): 10%

Odor/ Appearance: Clear, ammonia odor

Freezing Point (C): N/D

Ph (undiluted): 10.6

Specific Gravity: 0.9990

Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N

Means of Extinction: Carbon dioxide, dry chemical

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: N/A

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

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

Auto-ignition: N/D

Rate of Burning: N/A

Explosive Power: N/A

TDG/WHMIS: Non hazardous / D2B

REACTIVITY DATA

Chemical Stability: Stable

Incompatible Substances: Strong oxidizing materials

Hazardous Decomposition Product: CO, CO2, oxides of nitrogen, ammonia

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:

May cause nausea, narcosis, blood effects and irritation to gastrointestinal tract and respiratory system if inhaled or ingested. Eye contact will cause irritation.

Chronic Effects:

Prolonged skin contact may lead to defatting dermatitis.

PREVENTATIVE MEASURES

Gloves: Impervious gloves

Footwear: N/A

Clothing: N/A

Eyes: Safety glasses

Respirator: NIOSH approved

Other: N/A

Recommended Engineered Controls:

Mechanical ventilation is recommended.

Leak & Spill Procedures:

Small quantities may be diluted with water and flushed to a sanitary sewer.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Store in a cool, dry place. Avoid skin and eye contact. Avoid breathing vapours.

FIRST AID MEASURES

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

Ingestion: Drink large quantities of water or milk and immediately 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 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.