

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

**Product:** XL 50

**Chem. Name:** N/A

**Chem. Family:** Mixture

**Manufacturer:** ESTEAM

**Trade Name:** Liquid emulsifier

**Use:** Carpet extraction concentrate

**Flammability:** 0

**Reactivity:** 0

**Health:** 2

**Protection:**

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

## HAZARDOUS INGREDIENTS

Potassium Hydroxide  
Sodium Metasilicate  
Dipropylene Glycol Methyl Ether

### CAS #

1310583  
6834-92-0  
34590-94-8

### % WT

1-5  
1-5  
1-5

### HAZARD DATA

LD50 273 mg/m3 (oral-rat)  
LD50 0.8g/kg (oral-rat)  
LD50 5135 mg/kg (oral-rat)

### EXPOSURE LIMITS (TLV)

N/A  
2 mg/m3  
100 ppm TWA

## PHYSICAL DATA

**Physical State:** Liquid

**Odor/Appearance:** Yellow liquid,  
fragrant odor

**Boiling Point (C):** N/D

**Freezing Point (C):** N/D

**Solubility in Water:** Complete

**Ph (undiluted):** 11.9

**Evaporation Rate:** N/D

**Specific Gravity:** N/D

### Freeze/Thaw

**Stable:** Yes

**Percent Volatile (vol):** 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:** 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

## REACTIVITY DATA

**Chemical Stability:** Stable

**Hazardous Decomposition Product:** CO, normal combustion products

**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  
**TLV:** N/D

### Effects of Overexposure:

#### Acute Effects:

Inhalation may cause irritation to nose and throat. Ingestion will cause irritation of the mucous membranes of the mouth and throat. Abdominal pain and diarrhea, nausea, vomiting and headache may result. Eye and skin contact will cause irritation.

#### Chronic Effects:

Repeated or prolonged exposure can lead to dermatitis.

## PREVENTATIVE MEASURES

**Gloves:** Recommended  
**Eyes:** Safety glasses

**Footwear:** N/A  
**Respirator:** NIOSH recommended

**Clothing:** N/A  
**Other:** N/A

### Recommended Engineered Controls:

Use with adequate ventilation.

### Leak & Spill Procedures:

Flush spilled material to a sanitary sewer.

### Waste Disposal Methods:

According to federal, provincial and municipal regulations.

### Special Handling Procedures:

Keep container tightly closed. Keep out of reach of children.

## FIRST AID MEASURES

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

**Ingestion:** Immediately contact a physician. Give water to dilute.

**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.