

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

**Product:** SUSPEND FREE

**Chem. Name:** N/A

**Chem. Family:** Mixture

**Manufacturer:** ESTEAM

**Trade Name:** Suspend Free

**Use:** Carpet cleaning prespray

**Flammability:** 0

**Reactivity:** 0

**Health:** 1

**Protection:**

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

## HAZARDOUS INGREDIENTS

Dipropylene Glycol Monopropyl Ether

## CAS #

29911-27-1

## % WT

1-5%

## HAZARD DATA

>2000 mg/kg BWT (oral-rat)

## EXPOSURE LIMITS (TLV)

## PHYSICAL DATA

**Physical State:** Liquid

**Odor/Appearance:** Opaque liquid, mild odor

**Boiling Point (C):** 100

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

**Solubility in Water:** 100 %

**Ph (undiluted):** 9.1

**Evaporation Rate:** 1

**Specific Gravity:** >1

## Freeze/Thaw

**Stable:** Yes

**Percent Volatile (vol):** 95%+

**Vapor Pressure:** As water

## FIRE & EXPLOSION HAZARD

**Flammability:** N

**Means of Extinction:** Water

**Special Procedures:** N/A

**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

## REACTIVITY DATA

**Chemical Stability:** Stable

**Hazardous Decomposition Product:** None

**Incompatible Substances:** None

## TOXICOLOGICAL PROPERTIES

**Route of Entry - Skin Contact:** Y  
**Route of Entry - Skin Absorption:** Y  
**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:

Eye contact may cause irritation. Ingestion may cause gastrointestinal irritation.

### Chronic Effects:

None known.

## PREVENTATIVE MEASURES

**Gloves:** Recommended

**Footwear:** N/A

**Clothing:** N/A

**Eyes:** Chemical goggles

**Respirator:** N/A

**Other:** N/A

### Recommended Engineered Controls:

Use with adequate ventilation.

### 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:

Avoid skin contact. 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:** Drink plenty of fluids. If nausea persists contact a physician.

**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:** April 12, 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.