

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

**Product:** ATTACK

**Chem. Name:** N/A

**Chem. Family:** N/A

**Manufacturer:** ESTEAM

**Trade Name:** Attack

**Use:** Carpet Prespray Concentrate

**Flammability:** 0

**Reactivity:** 0

**Health:** 1

**Protection:**

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

## HAZARDOUS INGREDIENTS

Silicic Acid  
Sodium Carbonate  
Dipropylene Glycol Methyl Ether

**CAS #**  
6834-92-0  
497198  
34590-94-8

**% WT**

## HAZARD DATA

LD50 0.8 g/kg (oral-rat)  
LD50 4090 mg/kg (oral-rat)  
LD50 5135 mg/kg (oral-rat)

## EXPOSURE LIMITS (TLV)

2 mg/M3  
N/A  
100 ppm

## PHYSICAL DATA

**Physical State:** Solid

**Odor/Appearance:** White powder,  
citrus odour

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

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

**Solubility in Water:** 100%

**Ph (undiluted):** 11.5

**Evaporation Rate:** N/A

**Specific Gravity:** N/D

## Freeze/Thaw

**Stable:** Doesn't freeze

**Percent Volatile (vol):** N/A

**Vapor Pressure:** N/A

## 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:** None

**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/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:** 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:** Y  
**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:

Eye contact will cause irritation. Inhalation of dust may be irritating to respiratory tract. Ingestion may cause gastro-intestinal irritation.

### Chronic Effects:

Prolonged skin contact may cause irritation.

## PREVENTATIVE MEASURES

**Gloves:** Recommended  
**Eyes:** Chemical Goggles

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

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

### Recommended Engineered Controls:

Use with adequate ventilation.

### Leak & Spill Procedures:

Sweep up spilled material and dispose of. Rinse area to a sanitary sewer.

### Waste Disposal Methods:

According to federal, provincial and municipal regulations.

### Special Handling Procedures:

Avoid skin contact, keep out of the reach of children.

## FIRST AID MEASURES

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

**Ingestion:** Immediately rinse mouth and throat thoroughly with water. Call a physician.

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

**Skin Contact:** Immediately flush skin with running water for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

**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.  
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.