

# ATTACK

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	ATTACK
<b>Other Means of Identification</b>	ESTEAM ATTACK
<b>Product Family</b>	mixture
<b>Recommended Use</b>	POWDER CARPET PRESPRAY.
<b>Restrictions on Use</b>	Product not recommended for use on wool or natural fibres.
<b>Manufacturer</b>	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
<b>Emergency Phone No.</b>	Canutec, 1-613-996-6666, 24 hr
<b>Date of Preparation</b>	November 16, 2016

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Skin corrosion - Category 1B; Serious eye damage - Category 1

### Label Elements



Signal Word:  
Danger

Hazard Statement(s):  
Causes serious eye damage.  
Causes skin irritation.

Precautionary Statement(s):  
Wash hands and skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

Response:  
IF ON SKIN: Wash with plenty of water/  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If symptoms persist Get medical advice/attention

Disposal:  
Dispose of contents and container in accordance with local, regional, national and international regulations.

### Other Hazards

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None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Sodium carbonate	497-19-8	40-55	
Sodium Metasilicate	6834-92-0	5-15	
Dipropylene glycol monomethyl ether	34590-94-8	2-5	

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air.

##### Skin Contact

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

##### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

##### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

#### Most Important Symptoms and Effects, Acute and Delayed

If inhaled:

Large amounts can irritate the nose and throat.

If on skin:

Small amounts may cause mild irritation.

If in eyes:

Causes moderate to severe irritation.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### Specific Hazards Arising from the Product

Does not burn.

#### Special Protective Equipment and Precautions for Fire-fighters

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

#### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

#### Methods and Materials for Containment and Cleaning Up

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Stop or reduce leak if safe to do so. Avoid generating dust. Small dry Spills: With clean shovel place material into clean, dry container for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

When handling concentrated product: avoid repeated or prolonged skin contact. Do not get in eyes, on skin or on clothing. Do not swallow. Avoid generating dusts. Wash hands thoroughly after handling this material. See Section 13 (Disposal Considerations) of this safety data sheet.

### Conditions for Safe Storage

Concentrated product: store in the original, labelled, shipping container. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear Chemical protective gloves.

#### Respiratory Protection

Respirator not required, general ventilation is usually adequate.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	White granular powder. Particle Size: Not available
<b>Odour</b>	Citrus
<b>Odour Threshold</b>	Not available
<b>pH</b>	11.0 (1% solution)
<b>Melting Point/Freezing Point</b>	Not available (melting); Not applicable (freezing)
<b>Initial Boiling Point/Range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Solid

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<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available
<b>Bulk Density</b>	0.9335 kg/L
<b>Surface Tension</b>	Not available
<b>Critical Temperature</b>	Not available
<b>Electrical Conductivity</b>	Not applicable
<b>Vapour Pressure at 50 deg C</b>	Not applicable
<b>Saturated Vapour Concentration</b>	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Generation of dust. Contact with lime dust in the presence of moisture may produce corrosive sodium hydroxide.

### Hazardous Decomposition Products

Carbon Dioxide, Carbon Monoxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion; skin absorption.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium carbonate	1150 mg/m <sup>3</sup> (rat) (30-minute exposure)	4090 mg/kg (rat)	> 2000 mg/kg (rabbit)
Sodium Metasilicate	> 2060 mg/m <sup>3</sup> (rat)	1280 mg/kg (rat)	> 5000 mg/kg (rat)
Dipropylene glycol monomethyl ether	> 275 ppm (rat) (4-hour exposure)	> 5000 mg/kg (rat) 7 h	9510 mg/kg (rabbit)

### Skin Corrosion/Irritation

May cause very mild irritation based on information for closely related chemicals.

### Serious Eye Damage/Irritation

May cause serious eye damage based on information for closely related materials.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Irritating to respiratory system.

#### Skin Absorption

May be harmful based on animal tests.

#### Ingestion

Harmful if swallowed. Irritation to mouth, throat and stomach.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

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## **Respiratory and/or Skin Sensitization**

Respiratory sensitizer.

## **Carcinogenicity**

Not known to cause cancer.

## **Reproductive Toxicity**

### **Development of Offspring**

No data available on the product itself.

### **Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

### **Effects on or via Lactation**

No information was located.

## **Germ Cell Mutagenicity**

Not known to be a mutagen.

## **Interactive Effects**

No information was located.

## **SECTION 12. ECOLOGICAL INFORMATION**

### **Persistence and Degradability**

No data available on the product itself.

### **Bioaccumulative Potential**

This product and its degradation products are not expected to bioaccumulate.

### **Mobility in Soil**

If released into the environment, this product is not expected to move through the soil, based on physical and chemical properties.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

### **Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

### **Safety, Health and Environmental Regulations**

#### **Canada**

#### **Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

#### **USA**

#### **Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

## **SECTION 16. OTHER INFORMATION**

**SDS Prepared By** Product safety manager

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Date of Preparation: November 16, 2016

**Phone No.** 403-291-7050

**Date of Preparation** November 16, 2016

**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
IARC = International Agency for Research on Cancer  
OSHA = US Occupational Safety and Health Administration  
RTECS® = Registry of Toxic Effects of Chemical Substances

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Other Related Literature** Raw ingredient SDS's

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