

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier**

**Product Label Name** Attack  
**Other means of identification**  
**UPC Code(s)** Not applicable  
**Product code** 2653-3253, 2654-3254, 2655-3255  
**Synonyms** Esteam Attack

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Powder carpet prespray.  
**Uses advised against** Follow label instructions. Not recommended for any use except intended use. Product not recommended for use on wool or natural fibers.

**Supplier's details****Supplier Address**

Esteam Cleaning Systems  
1-3680 Odyssey Drive  
Mississauga, ON L5M 0Y9  
Canada

**Manufacturer Address**

AramSCO Inc.  
4282 South 590 West  
Salt Lake City, UT 84123  
USA

**Emergency telephone number**

**Company Phone Number** 1-800-767-6933  
**Company Emergency Phone Number** United States: 1-800-535-5053 (INFOTRAC – 24 hours, 7 days a week)  
International: 1-352-323-3500 (INFOTRAC – 24 hours, 7 days a week)  
**Emergency telephone** Poison Control 1-800-222-1222 (24 hour)

**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion	Category 1B
Serious eye damage/eye irritation	Category 1

**GHS Label elements, including precautionary statements****Emergency Overview**

**Danger**

**Hazard Statements**

Causes serious eye damage.

Causes skin irritation.





## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

Does not burn.

**Hazardous Combustion Products** Carbon Dioxide, Carbon Monoxide.

### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

**Advice for emergency responders** For personal protection see section 8.

### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements, or confined areas. Do not flush into surface water or sanitary sewer system.

### Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Avoid generating dusts.

### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Packaging material** Keep product in packaging product is initially sold in.

**Incompatible products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls****Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Tightly fitting safety goggles.

**Skin and body protection**

Chemical protective gloves.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and chemical properties****Physical state**

Solid

**Odor**

Citrus

**Appearance**

Granular powder

**Odor threshold**

No information available

**Color**

White

**Property****Values****Remarks • Method**

pH

11.0

Melting point

No information available

Boiling point/boiling range

No information available

Flash Point

No information available

Evaporation rate

No information available

Flammability (solid, gas)

No information available

Flammability Limits in Air

Upper Flammability Limit

No information available

Lower Flammability Limit

No information available

Vapor pressure

No information available

Vapor density

No information available

Specific Gravity

No information available

Water solubility

Soluble in water

Solubility in other solvents

No information available

Partition coefficient: n-octanol/water

No information available

Autoignition temperature

No information available

Decomposition temperature

No information available

Viscosity, kinematic

No information available

Viscosity, dynamic

No information available

Explosive properties

No information available

Oxidizing Properties

No information available

**Other information**

Softening point

No information available

Molecular weight

No information available

VOC Content (%)

No information available

Density VALUE

No information available

Bulk Density VALUE

0.9335 kg/l

## 10. STABILITY AND REACTIVITY

**Reactivity**

**Chemical stability**

Stable under recommended storage conditions

**Possibility of hazardous reactions**

None under normal processing

**Hazardous Polymerization** None under normal processing.**Conditions to Avoid**

Extremes of temperature and direct sunlight. Generation of dust. Contact with lime dust in the presence of moisture may produce corrosive sodium hydroxide.

**Incompatible Materials**

None known based on information supplied

**Hazardous Decomposition Products**

Carbon Dioxide, Carbon Monoxide.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Toxic - Inhalation</b>	Avoid breathing vapors or mists. May cause irritation of respiratory tract.
<b>Eye contact</b>	Avoid contact with eyes. Irritating to eyes.
<b>Skin contact</b>	Avoid contact with skin. Irritating to skin. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause stomach discomfort. May cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate, 497-19-8	4090 mg/kg (rat)	2210 mg/kg (rat)	1150 mg/m3 (rat) 0.5 h
Sodium Metasilicate, 6834-92-0	1280 mg/kg (rat)	>5000 mg/kg (rat)	>2060 mg/m3 (rat)
Dipropylene glycol monomethyl ether, 34590-94-8	>5000 mg/kg (rat) 7 h	9510 mg/kg (rabbit)	>275 ppm (rat) 4 h

**Information on toxicological effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	May cause very mild irritation based on information for closely related chemicals.
<b>Eye damage/irritation</b>	May cause serious eye damage based on information for closely related materials.
<b>Sensitization</b>	Respiratory sensitizer.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4753  
ATEmix (dermal) 3976

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium Carbonate, 497-19-8	-	-	Daphnia magna 265 mg/L 48 h EC50
Sodium Metasilicate, 6834-92-0	Desmodesmus subspicatus 207 mg/l 72 h EC50	Danio rerio 210 mg/l 96 h LC50	Daphnia magna 1,700 mg/l 48 h EC50
Dipropylene glycol monomethyl ether, 34590-94-8	Pseudokirchneriella subcapitata >969 mg/l 72 h ErC50	Poecilia reticulata >1,000 mg/l 96 h LC50	Daphnia magna 1,919 mg/l 48 h LC50

### Persistence and degradability

No information available.

### Bioaccumulation

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

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

#### **Waste Disposal Methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium Carbonate, 497-19-8	Corrosive
Sodium Metasilicate, 6834-92-0	Corrosive

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies  
DSL/NDSL Complies

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any

chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product can expose you to chemicals including Acetaldehyde, Lead and 1,4-Dioxane, which are known to the State of California to cause cancer, and Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**U.S. EPA Label information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health hazard</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and chemical hazards</b> -
<b><u>HMIS</u></b>	<b>Health hazard</b> 2	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	<b>Personal protection</b> X

**Prepared By** Aramsco  
Environmental Health & Safety

**Revision Date** 30 Mar 2023

**Revision Note**  
30 Mar 2023 Updated Prop 65 & company information  
16 Nov 2016 No information available

**References** Raw ingredient SDSs

**Disclaimer**

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Bridgewater LLC to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Bridgewater LLC assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

**End of Material Safety Data Sheet**