

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

Product Label Name Citrus Break
Other means of identification
UPC Code(s) Not applicable
Product code 2620-0307, 2621-0308
Synonyms Esteam Citrus Break

Recommended use of the chemical and restrictions on use

Recommended Use Powdered carpet prespray.
Uses advised against Follow label instructions. Not recommended for any use except intended use.

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 severe skin burns
Causes serious eye damage



Appearance Orange Granular Powder

Physical state Solid

Odor Citrus

Precautionary Statements - Prevention

Do not breathe dusts or mists.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Wash contaminated clothing before reuse.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other information**

General Hazards

Keep out of reach of children

Please see Section 11. Toxicological Information for further information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Sodium carbonate	497-19-8	45-65	*
Sodium tripolyphosphate	7758-29-4	5-15	*
Sodium Metasilicate	6834-92-0	5-15	*
Dipropylene glycol monomethyl ether	34590-94-8	1-5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES**First aid measures for different exposure routes****General advice**

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact

Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Toxic - Inhalation

Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion

Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.

Protection of First-aiders

Use personal protective equipment.

Most important symptoms/effects, acute and delayed**Main Symptoms**

No information available.

Indication of immediate medical attention and special treatment needed, if necessary**Notes to physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Not combustible.

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 No information available.

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 See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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 repeated or prolonged skin contact.

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.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

None	-	-	-
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NIOSH IDLH: *Immediately Dangerous to Life or Health*

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

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. Face shields.

Skin and body protection No special protective equipment required.

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 Provide regular cleaning of equipment, work area and clothing. Do not eat, drink, or smoke when using this product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state	Solid	Odor	Citrus
Appearance	Orange Granular Powder	Odor threshold	No information available
Color	Orange		

Property	Values	Remarks • Method
pH	12.0	1% solution
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 acids will release carbon dioxide.

Incompatible Materials

Acids. Oxidizing agents, (e.g., peroxides)

Hazardous Decomposition Products

Carbon Dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Toxic - Inhalation Avoid breathing vapors or mists. May cause irritation of respiratory tract.

Eye contact Avoid contact with eyes. Irritating to eyes.

Skin contact Avoid contact with skin. Irritating to skin. Prolonged contact may cause redness and irritation.

Ingestion 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)	= 2300 mg/m ³ (rat) 2 h
Sodium tripolyphosphate 7758-29-4	3120 mg/kg (rat)	> 4640 mg/kg (rabbit)	-
Sodium Metasilicate 6834-92-0	1280 mg/kg (rat)	> 5000 mg/kg (rat)	> 2060 mg/m ³ (rat)
Dipropylene glycol monomethyl ether 34590-94-8	> 5000 mg/kg (rat) 7 h	> 275 ppm (rat) 4 h	9510 mg/kg (rabbit)

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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

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

Sensitization Respiratory sensitizer.

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP
None	-	-	-

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity	No information available.
Developmental Toxicity	No information available.
STOT - single exposure	Irritating to respiratory system. Harmful if swallowed. Irritation to mouth, throat and stomach.
STOT - repeated exposure	No information available.
Chronic toxicity	No information available.
Target Organ Effects	No information available.
Aspiration hazard	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)	> 5000 mg/kg
ATEmix (dermal)	> 5000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

0% of the mixture consists of components(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	-	-	265: 48 h Daphnia magna mg/L EC50
Sodium tripolyphosphate 7758-29-4	-	1650: 48 h, Leuciscus idus mg/L LC50	-
Sodium Metasilicate 6834-92-0	207: 72 h, Desmodemus subspicatus mg/l EC50	210: 96 h, Danio rerio mg/l LC50	1700: 48 h Daphnia magna mg/L EC50
Dipropylene glycol monomethyl ether 34590-94-8	> 969: 72 h, Pseudokirchneriella subcapitata mg/l ErC50	> 1,000: 96 h, Poecilia reticulata mg/l LC50	1919: 48 h, Daphnia magna mg/l LC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods Disposal should be in accordance with applicable local, regional, national and international 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

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

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard 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 Lead and 1,4-Dioxane, which are known to the State of California to cause cancer. For more information go to 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

Chemical Name	New Jersey	Massachusetts	Pennsylvania	California
None	-	-	-	-

U.S. EPA Label information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Health hazard 2 Flammability 0 Instability 1 Physical and chemical hazards -
HMIS Health hazard 2 Flammability 0 Physical Hazard 1 Personal protection X

Prepared By Aramsco
 Environmental Health & Safety
Revision Date 24 Apr 2023
Revision Note

24 Apr 2023 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