



SAFETY DATA SHEET

Supersedes Date: 04 May 2023

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Version: 1.0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Label Name Peroxicap Carpet Prespray
Other means of identification
UPC Code(s) Not applicable
Product code 2601-4516
Synonyms Esteam Peroxicap Carpet Prespray

Recommended use of the chemical and restrictions on use

Recommended Use Carpet cleaning solution, encapsulation cleaner.
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)

Acute toxicity - Inhalation	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Oxidizing liquids	Category 3

GHS Label elements, including precautionary statements

Emergency Overview

Warning

Hazard Statements

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May intensify fire; oxidizer

**Appearance** Clear Liquid**Physical state** Liquid**Odor** Peroxide**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep away from heat
 Keep/Store away from clothing/ combustible materials
 Take any precaution to avoid mixing with combustibles

Precautionary Statements - Response

IF IN EYES: 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/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician if you feel unwell
 IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

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
Hydrogen peroxide	7722-84-1	< 8	*
Proprietary polymer	Proprietary	1-5	*
Lauramine oxide	1643-20-5	1-5	*
Alcohols, C9-11, ethoxylated	68439-46-3	1-5	*
Butoxypropanol	5131-66-8	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. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.
Toxic - Inhalation	Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.
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 dry chemical, carbon dioxide (CO₂), water spray, alcohol-resistant foam.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

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 (SCBA) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal precautions Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

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

Cover liquid spill with sand, earth, or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

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. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks, and open flame. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

Keep container tightly closed in a dry, cool, and well-ventilated place. Keep out of the reach of children. Keep away from heat and sources of ignition. Keep in properly labeled containers.

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**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³

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

Wear protective gloves/ protective clothing. Chemical resistant apron.

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	Liquid	Odor	Peroxide
Appearance	Clear Liquid	Odor threshold	No information available
Color	Colorless		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	5.5		
Melting point	No information available		
Boiling point/boiling range	230°C / 446°F		
Flash Point	115°C / 240°F	Lowest component	
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	17.5		
Vapor density	0.865		
Specific Gravity	1.070		
Water solubility	Soluble in water		
Solubility in other solvents	No information available		
Partition coefficient: n-octanol/water	No information available		
Autoignition temperature	398°C / 750°F		
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		
<u>Other information</u>			
Softening point	No information available		
Molecular weight	No information available		
VOC Content (%)	No information available		
Density VALUE	No information available		
Bulk Density VALUE	No information available		

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

Heat, flames, sparks, extremes of temperature and direct sunlight

Incompatible Materials

None known based on information supplied

Hazardous Decomposition Products

None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Toxic - Inhalation	May be harmful if inhaled. Avoid breathing vapors or mists.
Eye contact	Risk of serious damage to eyes. Avoid contact with eyes.
Skin contact	Irritating to skin. Avoid contact with skin.
Ingestion	Do not taste or swallow. Ingestion may cause stomach discomfort. May cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen peroxide 7722-84-1	= 801 mg/kg (rat)	= 2000 mg/kg (rabbit)	= 2 g/m ³ (rat) 4 h
Alcohols, C9-11, ethoxylated 68439-46-3	= 1400 mg/kg (rat) = 1378 mg/kg (rat)	> 2 g/kg (rabbit)	-
Butoxypropanol 5131-66-8	= 1900 mg/kg (rat)	-	-

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 No information available.
Eye damage/irritation No information available.
Sensitization No information available.
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	OSHA
Hydrogen peroxide 7722-84-1	A3	Group	-	-

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

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

Reproductive toxicity No information available.
Developmental Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic toxicity Avoid repeated exposure.
Target Organ Effects Eyes, Respiratory system, Skin.
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)	9268 mg/kg
ATEmix (dermal)	12400 mg/kg
ATEmix (inhalation-gas)	13484 mg/L
ATEmix (inhalation-dust/mist)	42 mg/L
ATEmix (inhalation-vapor)	64 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

1.34552% 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
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Hydrogen Peroxide 7722-84-1		10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50	18 - 32: 48 h Daphnia magna mg/L EC50 Static
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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
Hydrogen Peroxide 7722-84-1	Toxic Corrosive Ignitable Reactive

14. TRANSPORT INFORMATION**DOT**

UN/ID No UN2984
 Proper shipping name Hydrogen Peroxide, Aqueous Solution
 Hazard class 5.1
 Packing Group III
 Reportable Quantity (RQ) Hydrogen peroxide = 1000lb (conc. >52%)
 Special Provisions A1, IB2, IP5, T4, TP1, TP6, TP24, TP37
 Emergency Response Guide Number 140

IMDG

UN/ID No UN2984
 Proper shipping name Hydrogen Peroxide, Aqueous Solution
 Hazard class 5.1
 Packing Group III
 EmS No. F-H, S-Q
 Special Provisions Check regulations for limited quantity exceptions

IATA

Do not ship by air unless within allowed limits

15. REGULATORY INFORMATION**International Inventories**

TSCA Complies
 DSL/NDL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - 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, contains one or more 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.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrogen Peroxide 7722-84-1	-	1000 lb	-

US State Regulations**California Proposition 65**

This product can expose you to chemicals including Acetaldehyde and Ethylbenzene, 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 contains one or more substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	California
Hydrogen Peroxide 7722-84-1	X	X	X	X

U.S. EPA Label information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

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

Prepared By Aramsco
Environmental Health & Safety
Revision Date 04 May 2023

Revision Note
04 May 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