

  
ENGINEERED ODOR MANAGEMENT  
**SAFETY DATA SHEET**

**1.0 IDENTIFICATION**

**GHS Product Identifier**

<b>Product Name</b>	Odor-Armor <sup>®</sup> SCD EPA
<b>Other Means of Identification</b>	Not available
<b>Product Type</b>	Liquid
<b>Recommended Use of the chemical</b>	Odor Counteractant Industrial (not for food or food contact use)
<b>Supplier Details</b>	Benzaco Scientific, Inc. 5185 MacArthur Blvd NW Suite 606 Washington, DC 20016
<b>Emergency Telephone Information</b>	888-413-5800

**2.0 HAZARD INFORMATION**

**GHS Classification of the substance / mixture**

<b>Flammable liquids</b>	Category 4
<b>Skin irritation</b>	Category 2
<b>Eye irritation</b>	Category 2B

**OSHA Hazard Communication Standard**

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**GHS Label Elements**



**Hazard Symbol**

**Signal Word**

**Warning**

**Danger**

**Hazard Statement**

H227 Combustible liquid.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H320 Causes eye irritation.

**Precautionary Statement**

**Prevention**

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P305 + P310 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332 + P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.

**Storage**

P403+P235: Store in a well-ventilated place. Keep cool.  
 Store away from incompatible materials.

**Disposal**

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazards not otherwise classified (HNOC)** None known.

**Supplemental Information****Eye Contact**

May cause irritation in sensitive individuals.

**Skin Contact**

May cause irritation in sensitive individuals.

**Skin Absorption**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

**Inhalation**

At room temperature, exposure to vapor is minimal due to low volatility.

Mist may cause irritation of upper respiratory tract (nose and throat).

**Ingestion**

May cause stomach distress or vomiting if ingested in great quantity.

**Effects of Repeated Exposure**

None known.

<b>3.0</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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<u>Chemical Name</u>	<u>Common Name and Synonyms</u>	<u>CAS#</u>	<u>Weight %</u>
Essential Oils	No information available	Mixture	1-40
Alcohols, C9-11, ethoxylated	No information available	68439-46-3	1-50
Poly (Oxy-1,2-Ethanediy), Alpha-Hydro-Omega-Hydroxy	No information available	25322-68-3	.30

\*This product is non-toxic, non-corrosive, non-flammable and bio-degradable.

\*The specific chemical identities of the ingredients in this mixture are considered to be trade secrets and are withheld in accordance with the provisions of 1910.1200 of the Code of Federal Regulations.

<b>4.0</b>	<b>FIRST-AID MEASURES</b>
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**First aid measures for different exposure routes****Eye Contact**

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**Skin Contact**

Wash skin with soap and plenty of water.

**Inhalation**

Not a normal route of exposure. If symptoms develop, move person to fresh air, if they persist, obtain medical attention.

**Ingestion**

Do not induce vomiting. Rinse mouth with water and then drink one glass of water. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

**Most important symptoms/effects, acute and delayed****Long Term Effects**

None known.

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

**Notes to Physician** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

**5.0 FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** Water fog, foam, dry chemical powder, Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** None known.

**Specific Hazards Arising from the chemical** During fire, gases hazardous to health may be formed.

**Fire Fighting Procedures** Non-flammable. This product is water based and water soluble.

**Special 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.

**Hazardous Combustion Products** Combustion products may include and are not limited to: Oxides of Carbon.

**6.0 ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard.

**Methods and materials for containment and cleaning up**

Before attempting to clean up, refer to hazard data within this document. Contain spilled material if possible.

**Small spills** Absorb with non-reactive, non-flammable absorbent and place in suitable covered and properly labeled containers. Wash the spill site with large quantities of water.

**Large spills** Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For larger quantities, review Federal, State / Provincial and Local Governments prior to disposal. Product is highly biodegradable.

**Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**7.0 HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Safety glasses and gloves recommended.

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

Keep out of reach of children. Store away from direct sunlight or ultraviolet light. Keep container tightly closed when not in use and store in a dry place away from incompatible materials, heat and sources of ignition.

**Shelf life:**

Use within 12 months.

**Maximum Storage Temperature:**

40 - 95 °F

\*May get cloudy at higher temperatures.

<b>8.0</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Control parameters****Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Controls****Ventilation**

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

**Individual Protection Measures****Eye/Face Protection**

Safety glasses should be sufficient for most operations; however, for misty operations wear chemical goggles. This product is non-toxic and non-corrosive.

**Skin Protection**

No precautions other than clean body-covering clothing should be needed.

**Hand protection**

Wear appropriate chemical resistant gloves when handling this material for prolonged or repeated contact. Consistent with general hygienic practice for any material, skin contact should be minimized. This product is non-toxic and non-corrosive.

**Respiratory Protection**

Not normally required if good ventilation is maintained.

**Ingestion**

Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

<b>9.0</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Physical State**

Liquid

**Color**

Clear, Colorless, Opaque

**Odor**

Fragrant

**Odor Threshold**

No test data available

**pH (100%)**

6.5

**Freezing Point**

No test data available

**Melting Point**

No test data available

**Boiling Point**

>100 °C (212 °F)

**Flash Point - Closed Cup**

> 77 °C (171 °F)

**Evaporation Rate (H<sub>2</sub>O = 1):**

No test data available

**Flammability Solid**

Not flammable

**Flammability Gas**

Not flammable

**Flammable Limits In Air Lower:**

Not flammable

**Upper**

Not flammable

**Vapor Pressure**

No test data available

**Vapor Density (air = 1)**

No test data available

**Specific Gravity (H<sub>2</sub>O = 1)**

0.995

**Solubility in Water (by weight)**

100 %

Auto Ignition Temperature	No test data available
Decomposition Temperature	No test data available
Viscosity	Water thin
Pour Point	No test data available

## 10.0 STABILITY AND REACTIVITY

### Stability/Instability

<b>Reactivity</b>	This product is stable and non-reactive under normal conditions of use, recommended storage conditions and transport.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems. Avoid direct sunlight or ultraviolet sources.
<b>Incompatible Materials</b>	To avoid losing product integrity; mix this product only with water.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Thermal Decomposition</b>	Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products may include but are not limited to oxides of carbon when heated to decomposition.

## 11.0 TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin Contact</b>	No adverse effects due to skin contact are expected.
<b>Eye Contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard (LD50, Rat 3,000 mg/kg)
<b>Skin Absorption</b>	May cause irritation in sensitive individuals.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Acute Toxicity</b>	No data available.
<b>Skin Corrosion / Irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious Eye Damage / Eye Irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory Sensitization</b>	Not a respiratory sensitizer.
<b>Skin Sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ Cell Mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	No ingredients listed by IARC, ACGIH, NTP or OSHA.

**Delayed, immediate and chronic effects from short and long term exposure**

<b>Repeated Dose Toxicity</b>	None known.
<b>Chronic Toxicity</b>	None known.
<b>Developmental Toxicity</b>	No known significant effects or critical hazards.
<b>Reproductive Toxicity</b>	No known significant effects or critical hazards.
<b>Genetic Toxicology</b>	No known significant effects or critical hazards.

**12.0 ECOLOGICAL INFORMATION**

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Components**

Poly (Oxy-1,2-Ethanediy), Alpha-Hydro-Omega-Hydroxy (CAS 25322-68-3)

**Aquatic**

Fish LC50

**Species**

Atlantic Salmon (*Salmo salar*)

**Test Results**

>1,000 mg/l, 96 hours

**Persistence / degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Mobility in Soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

**13.0 DISPOSAL CONSIDERATION****Waste Treatment**

**Waste disposal Methods** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**Contaminated Packaging** Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, sending to an incinerator or other thermal destruction device.

**14.0 TRANSPORT INFORMATION**

**DOT Classification** Not regulated.

**TDG Classification** Not regulated.

**IMO/IMDG Classification** Non-combustible liquid. Not regulated as dangerous goods for transport under the IMDG.

**Air Transport ICAO-TI & IATA-DGR Classification:** Non-combustible liquid. Not regulated as dangerous goods for transport under the ICAO and IATA.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15.0

## REGULATORY INFORMATION

**US Federal Regulations**

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substance Control Act (TSCA) 12(b) Export Notification (40 CFR 707, Sub point D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency Release Notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 Title III (SARA)**

<b>Hazard Categories</b>	Immediate Hazard	NO
	Delayed Hazard	NO
	Fire Hazard	NO
	Pressure Hazard	NO
	Reactivity Hazard	NO

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous Chemical**

No

**SARA 313 (TRI reporting)**

Not regulated.

**Other Federal Regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**SARA 313 (TRI reporting)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**US State Regulations****US California Controlled Substances. CA Dept. of Justice California Health and Safety Code Section 11100**

Not listed.

**US Massachusetts RTK – Substance List**

Not regulated.

**US New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US Rhode Island RTK**

Not regulated.

**US California Proposition 65**

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**Canadian Domestic Substance List (DSL)**

All ingredients are register on the DSL.

**Canadian WHMIS regulations**

SDS prepared pursuant to Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Product Act).

**16.0 OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

<b>Date:</b>	June 15, 1997	<b>SDS prepared by:</b>	Benzaco Scientific, Inc.
<b>Revision:</b>	October 18, 2019	<b>Telephone:</b>	888-413-5800

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.