

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name : ARMADILLO

Product form: Liquid

Relevant identified uses of the substance or mixture: Cleaner and protectant

Details of the supplier of the safety data sheet

Distributor:

Continental Research Corporation, P. O. Box 15204, St. Louis, MO 63110

Phone: 1- 800-325-4869

Emergency telephone number

Emergency number: 1-888-255-3924 (CHEM-TEL)

Section II – Hazards Identification

Classification

Serious Eye damage Category 1

Reproductive toxicity Category 2



Signal Word

Danger

Hazard Statements

Causes serious eye damage

Suspected of damaging fertility or the unborn child.

Precautionary Statements – Prevention

Avoid breathing fume/mist/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well ventilated area.

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 ON SKIN: Wash with plenty of soap and water.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth

Take off contaminated clothing and wash before reuse.

Precautionary Statements - Storage

Store in a well ventilated place, Keep container tightly closed. Keep cool.

Precautionary Statements - Disposal

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

Section III –Composition/Information on ingredients

Mixture

| Name | Product identifier | Weight % |
|---|---------------------------|-----------------|
| Poly(oxy-1,2-ethanediyl),(2-propylheptyl)-omega hydroxy | (CAS No) 160875-66-1 | 0.1-1 |
| Octamethylcyclotetrasiloxane | (CAS No) 556-67-2 | 0.01-0.1 |

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash with plenty of water. If skin irritation occurs, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

Causes serious eye damage.

Suspected of damaging fertility or the unborn child.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Carbon oxides

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.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment. Prevent spreading over a wide area (e.g. by containment or oil barriers).

Methods for Cleaning Up: Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal. Retain and dispose of contaminated wash water.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Use only with adequate ventilation.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

| Chemical Name | CAS # | ACGIH TLV | OSHA PEL | NIOSH |
|---|--------------|-------------------|-------------------|-------------------|
| Poly(oxy-1,2-ethanediyl),(2-propylheptyl)-omega hydroxy | 160875-66-1 | No data available | No data available | No data available |
| Octamethylcyclotetrasiloxane | 556-67-2 | TWA: 10 ppm | No data available | No data available |

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation, minimize workplace exposure concentrations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved chemical resistant goggles where a splash hazard exists.

Skin and Body Protection: Wear suitable protective clothing. Skin contact must be avoided by using impervious protective clothing(gloves, aprons, boots, etc.).

Respiratory Protection: Ensure adequate ventilation, especially in confined areas. Where concentrations are above the limits or are unknown, appropriate respiratory protection should be worn.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

| | |
|------------------------------|----------------------|
| Physical State | Liquid |
| Color | White |
| <u>Property</u> | <u>Values</u> |
| pH | 7-8 |
| Melting Point/Freezing Point | No data available |
| Boiling Point/Boiling Range | 149-212 ° F |
| Flash Point | > 65 ° C (>212 ° F) |
| Evaporation Rate | No data available |
| Flammability (Solid,Gas) | n/a-liquid |
| Upper Flammable Limits | No data available |
| Lower Flammable Limits | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Specific Gravity | 0.99 |
| Water Solubility | Soluble in Water |
| Solubility in Other Solvents | No data available |
| Partition Coefficient | No data available |
| Autoignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Kinematic Viscosity | No data available |
| Dynamic Viscosity | No data available |
| Explosive Properties | Not an Explosive |
| Oxidizing Properties | No data available |
| Odor | None |
| Odor Threshold | No data available |

Section X – Stability & Reactivity

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Can react with strong oxidizing agents.

Conditions to Avoid

None Known.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Formaldehyde.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid breathing vapors or mists.

Eye Contact: Causes eye irritation

Skin Contact: Causes skin irritation. Avoid contact with skin.

Ingestion: May be harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

| Chemical Name | CAS # | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|-------------|------------------|---------------------|---------------------|
| Poly(oxy-1,2-ethanediyl),(2-propylheptyl)-omega hydroxy | 160875-66-1 | >500 mg/kg(Rat) | No data available | No data available |
| Octamethylcyclotetrasiloxane | 556-67-2 | >4800 mg/kg(Rat) | >2.5 ml/kg (Rabbit) | 2975 ppm(Rat) - 4 h |

| Chemical Name | Poly(oxy-1,2-ethanediyl),(2-propylheptyl)-omega hydroxy | Octamethylcyclotetrasiloxane |
|-----------------------------------|---|----------------------------------|
| Skin corrosion/irritation | No irritation | No irritation (rabbit) |
| Serious eye damage/irritation | Irreversible effects on the eye (rabbit) | No eye irritation(rabbit) |
| Respiratory or skin sensitization | Not classified on data available | Not classified on data available |
| Mutagenicity | Not classified on data available | Negative |

| | | |
|--|----------------------------------|--|
| Carcinogenicity | Not classified on data available | Not classified on data available |
| Reproductive toxicity | Not classified on data available | Suspected of damaging fertility or the unborn child. |
| Specific target organ toxicity-Single exposure | Not classified on data available | Not classified on data available |
| Specific target organ toxicity-repeated exposure | Not classified on data available | Not classified on data available |
| Aspiration hazard | Not classified on data available | Not classified on data available |

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity: Not determined

Section XII - Ecological information

Ecotoxicity

There is no data available for this product as a whole.

| Chemical Name | CAS # | Algae/aquatic plants | Fish | Aquatic invertebrates |
|---|-------------|---|---|--|
| Poly(oxy-1,2-ethanediyl),(2-propylheptyl)-omega hydroxy | 160875-66-1 | EC50 - Desmodesmus subspicatus (green algae) - > 10-100 mg/l - 72 h | No data available | EC50 - Daphnia magna (Water flea) – 10-100 mg/l - 48 h |
| Octamethylcyclotetra siloxane | 556-67-2 | EC50 (Pseudokirchneriella subcapitata) > 0.022 mg/l 96 h | LC50 – (Oncorhynchus mykiss (rainbow trout) > 0.022 mg/l – 96 h | EC50 - Daphnia sp> 0.015 mg/l 48 h |

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:

Non-Bulk: Not regulated as dangerous goods.

Bulk: Not regulated as dangerous goods.

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute and chronic health hazard

SARA Title III Section 313 (40CFR372): No reportable components.

RCRA Status (40CFR261.33): No reportable components.

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: Not listed

Canadian DSL Status: Contains one or more substances not reported/included

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

This material is known to contain chemicals currently listed as carcinogens or reproductive toxins. Acetaldehyde (75-07-0), Ethylbenzene (100-41-4)

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|-------------------|----------------------|---------------------|
| Poly(oxy-1,2-ethanediyl),(2-propylheptyl)-omega hydroxy | 1-5 % | No data available | 1-5% |
| Octamethylcyclotetrasiloxane | No data available | No data available | No data available |

Section XVI - Other information

HMIS ratings: Health: 2
Flammability: 0
Reactivity: 0

Indication of changes: Revision – 1

Date Sheet Prepared: 04/09/2015 Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS