

SAFETY DATA SHEET

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

Section I - Product & Company Identification

Product identifier

Product name : ARMOUR COAT

Product form: Liquid

Other means of identification: LB037

Relevant identified uses of the substance or mixture: Silicone cleaner/protectant.

Details of the supplier of the safety data sheet

Manufacturer:

Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150

Phone: 816-472-5515

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Serious eye damage / eye irritation (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

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing spray.

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 EXPOSED OR CONCERNED: Get medical advice/attention.

Precautionary Statements – Storage

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

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	CAS #	Weight %
Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy	160875-66-1	0.1-1.5

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 immediate medical attention.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash skin with soap and plenty of water. Get medical advice/attention if irritation occurs..

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

May cause serious eye damage.

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: Do not use a water jet as it may spread the fire..

Specific Hazards Arising from the Chemical

Fire or excessive heat may produce hazardous decomposition products.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, 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. 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, municipal sewers.

Methods for Cleaning Up: Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

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. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

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

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Chemical Name</u>	<u>CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH</u>	<u>WEEL</u>
Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy	160875-66-1	No exposure limits	No exposure limits	No exposure limits	TWA: 1 mg/m ³

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation, eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles and face shield where a splash hazard exists.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

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	Green
<u>Property</u>	<u>Values</u>
pH	7-8.75
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100-222.2 ° C (212-432 ° F)
Flash Point	170 ° F
Evaporation Rate	< Ether
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	> Air
Specific Gravity	0.99
Water Solubility	Emulsion
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	Not an oxidizer.
Odor	Silicone
Odor Threshold	No data available

Section X – Stability & Reactivity

Reactivity

No data available.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No data available

Conditions to Avoid

No data available

Incompatible Materials

Oxidizing agents.

Hazardous Decomposition Products

Carbon oxides, formaldehyde.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid breathing vapors or mists.

Eye Contact: Causes serious eye damage

Skin Contact: No acute dermal toxicity.

Ingestion: No known oral toxicity.

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),alpha-(2-propylheptyl)-omega hydroxy	160875-66-1	>500 mg/kg (Rat)	>2.5 ml/kg (Rabbit)	2975 ppm 4 h (Rat)

Chemical Name	Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye damage
Respiratory or skin sensitization	Not classified.
Mutagenicity	Not classified.
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity-Single exposure	Not classified
Specific target organ toxicity-repeated exposure	Not classified
Aspiration hazard	Not classified

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

Carcinogenicity: This product does not contain 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),alpha-(2-propylheptyl)-omega hydroxy	160875-66-1	EC50 Green algae, >10-100 mg/l, 72 h	No data available	EC50 - Daphnia magna (Water flea) - >10- 100 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 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 XIV - Transport information

DOT Proper Shipping Description:

Bulk or Non-Bulk: Not regulated as a dangerous goods.

Section XV - Regulatory information

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

SARA Title III Section 313 (40CFR372): None

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

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: None

Canadian DSL Status: No data available.

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.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy	X	No data available	X

Section XVI - Other information

HMIS ratings: Health: 3 Flammability: 1 Reactivity: 0

Indication of changes: Revision – 1

Date Sheet Prepared: 02/01/2016 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