SAFETY DATA SHEET

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

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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

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Section II – Hazards Identification

**Classification**

Serious eye damage / eye irritation (Category 1)  
Reproductive toxicity (Category 2)

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**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

<table>
<thead>
<tr>
<th>Mixture</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy</td>
<td>160875-66-1</td>
<td>0.1-1.5</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
<th>WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy</td>
<td>160875-66-1</td>
<td>No exposure limits</td>
<td>No exposure limits</td>
<td>No exposure limits</td>
<td>TWA: 1 mg/m³</td>
</tr>
</tbody>
</table>

**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:** Wear suitable protective clothing.

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>7-8.75</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>100-222.2 °C (212-432 °F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>170 °F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt; Ether</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
</tr>
<tr>
<td>Upper Flammable Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower Flammable Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&gt; Air</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.99</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Emulsion</td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not an Explosive</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not an oxidizer</td>
</tr>
<tr>
<td>Odor</td>
<td>Silicone</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy</td>
<td>160875-66-1</td>
<td>&gt;500 mg/kg (Rat)</td>
<td>&gt;2.5 ml/kg (Rabbit)</td>
<td>2975 ppm 4 h (Rat)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Skin corrosion/irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

| Serous 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

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**Section XII - Ecological information**

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy</td>
<td>160875-66-1</td>
<td>EC50 Green algae, &gt;10-100 mg/l, 72 h</td>
<td>No data available</td>
<td>EC50 - Daphnia magna (Water flea) - &gt;10-100 mg/l - 48 h</td>
</tr>
</tbody>
</table>

**Persistence and Degradability** No data available

**Bioaccumulation** No data available

**Mobility** No data available

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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**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)-omega hydroxy</td>
<td>X</td>
<td>No data available</td>
<td>X</td>
</tr>
</tbody>
</table>

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