

# SAFETY DATA SHEET

© Carlisle Fluid Technologies, Inc.  
PRODUCT RELATED HEALTH DATA SHEET

## 1. IDENTIFICATION of the SUBSTANCE/MIXTURE and of the COMPANY

### 1.1 Product identifier

**Product Name** : Pump Seal Lubricant (Solvent Based Coatings)  
**Product Code** : Part No. 0114-009433 (500mL) & 0114-016099 (250mL)  
**Product Description** : Pump Seal Lubricant.  
**SDS #** : SDS-32 REVISION #: 3.0.2

**CHEMICAL FORMULA:** Mixture.

**CAS NUMBER** : Not Applicable.

**Article Code** : Not Applicable.

**GENERAL USE** : Pump Seal Lubricant.

**DATE REVISED:** 12/09/2018 **DATE PREPARED:** 06/30/2015

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

### 1.3 Details of the supplier of the safety data sheet

**Carlisle Fluid Technologies, Inc.**

**16430 North Scottsdale Road**

**Scottsdale, AZ 85254**

**Technical service number 1-888-992-4657**

**Technical service EuropeTel: +44 (0)1202 571 111**

**Emergency telephone number**

**Emergency Number - INFOTRAC**  
**EMERGENCY PHONE (24 HOURS):**  
1-800-535-5053

**The National Chemical Emergency Centre (NCEC)**  
Deutsche hotline - 0800 7238996 (Kostenfrei innerhalb Deutschlands)  
oder +44 (0)1235 753 148

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Product definition** : Liquid – Mixture.

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]** : Not classified.

**Ingredients of unknown toxicity** : None known.

**Ingredients of unknown ecotoxicity** : None known.

**Classification according to OSHA 29 CFR 1910.1200 and Directive 1999/45/EC [DPD]**

The product is not classified as dangerous according to OSHA 29.CFR 1910.1200, Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** : No pictogram.

**Signal word** : No signal word.

**Hazard statements** : No hazard statement.

### Precautionary statements

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazardous ingredients** : None known.

**Supplemental label elements** : Not applicable.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Not applicable.

**2.3 Other hazards**

**Other hazards which do not result in classification**

**Properties affecting health** : Not applicable.

**Principle routes of exposure** : Eye, skin.

**Skin contact** : May cause mild skin irritation.

**Eye contact** : May cause mild eye irritation.

**Inhalation** : Not applicable.

**Ingestion** : Not applicable.

**Chronic Effects:** not applicable

**Medical Conditions Aggravated by Long-Term Exposure:** None known.

**Target Organs:** Not applicable.

**Signs and Symptoms:** None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EINICS No.
Alkyl sulfonic acid ester of phenol.	91082-17-6	293-728-5

### 4. FIRST AID MEASURES

**4.1 Description of first aid measures**

**EYE CONTACT** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**INHALATION** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**SKIN CONTACT** : Flush contaminated skin with plenty of water. Remove contaminated clothing. Wash with large amounts of soap and water. Get medical attention if symptoms occur. (see Note to Physician)

**INGESTION** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Get medical attention if symptoms occur.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**4.2 Most important symptoms and effects, both acute and delayed**

**Potential acute health effects**

**Eye contact** : May cause mild eye irritation.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : May cause mild skin irritation.

**Ingestion** : Accidental ingestion irritating to mouth, throat and stomach.

**Over-exposure signs/symptoms**

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately, if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

### 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media**

**Suitable extinguishing media** : Extinguish with water spray, CO2, foam or dry chemical.

**Unsuitable extinguishing media** : None known.

**5.2 Special hazards arising from the substance or mixture**

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**Flammability class** : Product is a combustible liquid.

**Fire retardant method** : Dry chemical, carbon dioxide, foam, or water spray.

**Flash Point** : See Section 9.

**Autoignition Temperature** : See Section 9.

**Sensitivity to Static Discharge** : No data.

**Hazards from the substance or mixture** : No specific hazards.

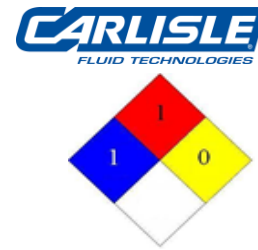
**Unusual Fire and Explosion Hazards** : No specific fire or explosion hazard.

**Hazardous combustion products** : Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides.

**Note** : Prevent contaminated extinguishing water entering drains, sewers or streams.

**5.3 Protective equipment for firefighters**

**Special precautions for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



HMIS RATING: See Section 15.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non- emergency personnel.”

**6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff from contact with soil, water ways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, water ways, soil or air). Spills into or upon navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response Center (phone number 800-424-8802).

### 6.3 Methods and materials for containment and cleaning up

**Small spill** : Absorb spill with sand or inert absorbent material. Clean with detergent. Place material in a designated, labeled waste container. Clean with detergent. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Soak up with inert absorbent material. Keep in suitable, closed and labeled containers for disposal. Dispose of via a licensed waste disposal contractor.

**6.4 Reference to other sections** : See Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Note: See also Section 8 for additional information on hygiene measures.

**7.2 Conditions for safe storage, including any incompatibilities** : Store in closed containers in a cool dry place.

### 7.3 Specific end use(s)

**Recommendations** : Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

**Industrial sector specific solutions** : Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

INGREDIENTS	CAS REG NO.	WGT %	ACGIH TWA	UNITS	OSHA STEL	UNITS
Alkyl sulfonic acid ester of phenol	91082-17-6	> 80	5	mg/m <sup>3</sup>	10	mg/m <sup>3</sup>

### 8.2 Exposure controls

**Appropriate engineering controls** : Maintain adequate ventilation.

**Environmental exposure controls** : Prevent material from entering drains, sewers or streams

### Personal Protection Equipment

**Eye Protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin Protection

**Hand protection** : Rubber gloves or other chemical-resistant, impervious gloves complying with an approved standard.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection** : Not required for normal use. If a risk assessment indicates that respiratory protection is necessary then use a properly fitted, particulate filter respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Other protective clothing** : Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

**Hygienic Practices** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Light yellow.
<b>Odor</b>	: Odorless.
<b>Appearance</b>	: Clear.
<b>pH</b>	: Not applicable.
<b>Melting point/freezing point</b>	: No data.
<b>Initial boiling point and boiling range</b>	: Approx. 200°C (13hPa).
<b>Setting Point</b>	: Below - 15°C
<b>Flash point</b>	: 210 – 240°C, (~437°F).
<b>Burning time</b>	: No data.
<b>Burning rate</b>	: No data.
<b>Upper/lower flammability or explosive limits</b>	: Limits not determined.
<b>Vapor pressure</b>	: Below 0.0001 hPa (+20°C).
<b>Vapor Density (air=1)</b>	: No data.
<b>Density (20°C)</b>	: 1.04 – 1.07 g/cm <sup>3</sup> .
<b>Solubility in Water</b>	: 0.002 g/l (+20°C).
<b>Partition coefficient:</b>	: Not available.

- n- octanol/water**
- Auto-ignition temperature** : Approx. 425°C.
- Decomposition temperature** : Not available.
- Viscosity** : 100 – 150 mPa at 20°C.
- Specific Gravity (water=1)** : Not available.
- Pour Point** : Not available.
- Explosive properties** : Not available.
- VOC** : No data.
- Oxidizing properties** : Not available.
- 9.2 Other information** : No additional information.

## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity** : No hazardous reactions observed.
- 10.2 Chemical stability** : Thermal decomposition begins at 200°C.
- 10.3 Possibility of hazardous Reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Hazardous Polymerization** : Not expected to Occur.
- 10.5 Conditions to avoid** : No specific data.
- 10.6 Incompatible materials** : Avoid strong oxidizing agents.
- 10.7 Hazardous decomposition products** : Formation of Sulphur dioxide and phenol in case of fire or during thermal decomposition.

## 11. TOXICOLOGICAL INFORMATION

**11.1 Acutetoxicity**  
**Effects of Acute Exposure**  
**(LD50 oral and LC50)**

Product/Ingredient Name	Result	Species	Dose
Alkyl sulfonic acid ester of phenol	LD50 Dermal	Rabbit	Highest dosage level of approx. 1000 mg/kg body weight did not cause any signs of toxicity >5000 mg/kg
	LD50 Oral	Rat	

**11.2 Acute toxicity estimates**

**Conclusion/Summary** : No known significant effects or critical hazards.

**11.3 Irritation/Corrosion**

**Conclusion/Summary**

- Skin** : Primary skin irritation, rabbit: Not irritating.
- Effect on skin, human:** Not irritation after 24 hours.
- Eyes** : No known significant effects or critical hazards.
- Respiratory** : Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation. Preexisting respiratory disorders may be aggravated by over-exposure to this product.

**11.4 Sensitizer**

**Conclusion/Summary**

- Skin** : No specific information is available in our database regarding the skin sensitizing properties of this product. Sensitization not suspected for humans.
- Respiratory** : Sensitization not suspected for humans.

**11.5 Mutagenicity**

**Conclusion/Summary**

: There are no data available on the mixture itself. Mutagenicity not suspected for humans.

**11.6 Carcinogenicity**

**Conclusion/Summary**

: There are no data available on the mixture itself. Carcinogenicity not suspected for humans.

**11.7 Reproductive toxicity**

**Conclusion/Summary**

: There are no data available on the mixture itself. Not considered to be dangerous to humans, according to our database.

**11.8 Teratogenicity**

**Conclusion/Summary**

: There are no data available on the mixture itself. Teratogenicity not suspected for humans.

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**11.9 Specific target organ toxicity (single exposure)**

**Conclusion/Summary** : Not available.

**11.10 Specific target organ toxicity (repeated exposure)**

**Conclusion/Summary** : Not available.

**11.11 Aspiration hazard**

**Conclusion/Summary** : No known significant effects or critical hazards.

**11.12 Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

**11.13 Potential acute health effects**

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Skin contact** : May cause mild skin irritation.

**Eye contact** : May cause mild eye irritation.

**11.4 Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation** : No specific data.

**Ingestion** : No specific data.

**Skin contact** : No specific data.

**Eye contact** : No specific data.

**11.15 Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**11.16 Potential chronic health effects**

**Effects of Chronic Exposure** : No known significant effects or critical hazards.

**General** : No known significant effects or critical hazards.

**Carcinogenicity (IARC, ACGIH** : No.

**NTP, OSHA)**

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**11.17 Other information** : Not available.

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity**

**Aquatic**

**Conclusion/Summary**

: Acute fish toxicity: LC<sub>0</sub> – 100 mg/l. Tested on Brachydanio rerio for 96 hours. Acute toxicity for Daphnia: EC<sub>0</sub> = 88 mg/l. Tested on Daphnia magna for 24 hours.

: Acute Bacteria toxicity: EC<sub>50</sub> = above 10000 mg/l. Tested on activated sludge micro-organism.

**12.2 Persistence**

**Conclusion/Summary**

: This product is miscible in water and is expected to readily disperse in marine environments.

**12.3 Bioaccumulation/Accumulation**

**Conclusion/Summary**

: Readily biodegradable.

**12.4 Mobility/Persistence in soil**

**Conclusion/Summary**

: Due to the distribution coefficient n-octanol/water (low Pow >3) an accumulation in organisms is possible.

**12.5 Degradability/Leaching**

**Conclusion/Summary**

: Biological degradability: Above 70% (Closed bottle test. 28 days).

**12.6 Environmental Fate**

**Conclusion/Summary**

: Not available.

**12.7 Other adverse effects**

: Water pollution class (WGK): 1 – Slightly hazardous to water (own classification) WGK – Classification in accordance with the German water resources act.

## 13. DISPOSAL CONSIDERATIONS

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

### 13.1 Waste treatment methods

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
<b>UN number</b>	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	-	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-	-
<b>Environmental hazards</b>	No	No	No	No	No	No

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the sanitary sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

**Hazardous waste** : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. This material and its container must be disposed of in a safe way. Whenever possible, Recycle used oil in accordance with applicable federal and state or local regulations. Refer to federal, state and local requirements for disposal (OSHA 1910.107, NFPA 33, 40CFR63 parts 260-262, state AQMD and WQMD, local Waste Management Authority).

### 13.2 Packaging

**Methods of disposal** : Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**13.3 Special precautions** : Code number according to the German regulation on waste: 57201. Consult local authorities for detailed advice.

## 14. TRANSPORT INFORMATION

<b>Additional information</b>	-	-	-	-	-	-
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No labelling is required for this material by the classification , packaging and labelling of dangerous substances 1984 and corresponding EEC directives.

**Not a dangerous cargo. Keep away from foodstuffs.**

## 15. REGULATORY INFORMATION

15.1 U.S. Federal regulations

**EPA SARA 302/303 EMERGENCY PLANNING and NOTIFICATION:** No Components were identified.

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** This product and/or its components are listed or are exempted on the Toxic Substances Act (TSCA) Inventory.

**EPA SARA Sec. 311/ 312 HAZARD CATEGORIES:** None.

**CERCLA:** No RQ for product.

**WGK (DE):** WGK 1; Slightly water endangering; Classification accordance VwVwS of 17 May 1999, Annex 2.

**CLEAN WATER ACT (CWA):** Discharges or spills of this material onto or in waters of the United States, adjoining shorelines, or into conduits leading to surface waters of the US without proper Federal or State permits should be reported to the National Response Center at (800) 424-8802.

**SARA Title III, Section 313, CHEMICALS:** No components were identified.

### 15.2 State Regulations

**Massachusetts Substances:** Not on list.

**New Jersey Hazardous Substances:** Not on list.

**Pennsylvania RTK Hazardous Substances:** Not on list.

**California Proposition 65:** This product does not contain a chemical known to the state of California to cause cancer, birth defect or other reproductive harm. Not on list.

### 15.3 INTERNATIONAL REGULATIONS :

**The product contains substances according to** : a) EEC Directive “Solvents”, status 10-06-82 EEC Number: 604-001-00-02 Substance designation: phenol  
 : b) EEC Directive “Coatings and adhesives”, status 16.05.83 EEC Number: 604-001-00-02 Substance designation: phenol  
 : EEC Directive “Dangerous substances” Annex 1, status 24.06.86  
 As stated under a) & b)

**Chemical Weapon Convention List Schedules I, II & III :** Not listed.

**Montreal Protocol (Annexes A, B, C, E) :** Not listed.

### INTERNATIONAL LISTS

National inventory:

**Australia** : Not determined.

**China** : Not determined.

**Europe** : All components are listed or exempted.

**Japan** : Not determined.

**Malaysia** : Not determined.

**New Zealand** : Not determined.

**Philippine** : Not determined.

**Republic of Korea:** Not determined.

**Taiwan** : Not determined.

### CANADA

**WHMIS (Canada)** : Not controlled under Workplace Hazardous Materials Information System (WHMIS).

### CANADIAN LISTS

**Canadian NPRI** : None of the components are listed.

**15.4 HMIS RATING** : Health 1, Flammability 1, Reactivity 0

**15.5 NFPA RATING** : Health 1, Flammability 1, Reactivity 0

## 16. OTHER INFORMATION

**16.1 Full text of abbreviated H statements** : None.

**16.2 Full text of classifications** : None.

**16.3 Full text of abbreviated R phrases** : None.

**16.4 Full text of classifications** : This product has been classified in accordance with the hazard criteria of the Controlled



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[DSD/DPD]

Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

#### 16.5 Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

#### 16.6 SDS PREPARED BY: Director of Chemical Safety

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Carlisle Fluid Technologies, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Carlisle Fluid Technologies, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

\*\*\* END OF SDS \*\*\*