

# SAFETY DATA SHEET

**Print date:** 04/04/2016 **Revision Date:** 04/04/2016 **Revision Number:** 1

## 1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: RHEOGEL 428

**Product code:** 016388-01

Other means of identification

Synonyms No information available

Application

Recommended Use Lubricating Grease
Uses advised against For industrial use only

## Supplier/Manufacturer:

Supplier:

**ENGINEERED CUSTOM LUBRICANTS (ECL)** 

3851 Exchange Avenue Aurora, IL 60504 USA

Phone: (630)449-5000

Email: she@quakerchem.com

## Emergency telephone number:

- \* 24 HOUR TRANSPORTATION:
- \*\*CHEMTREC: 1-800-424-9300
- +703-527-3887 (Call collect outside of US)
- \* 24 HOUR EMERGENCY HEALTH & SAFETY:
- \*\*(800) 523-7010 (Within US only) Outside of US call (703)

527-3887

# 2. HAZARDS IDENTIFICATION

### Classification

### **OSHA Regulatory Status**

This chemical is not classified under the Globally Harmonized System

Chronic aquatic toxicity Category 3

## **Label Elements**

### **Emergency Overview**

#### **Hazard Statements**

Harmful to aquatic life with long lasting effects

Appearance Off-white Physical State Semi-Solid Odor Mild Petroleum

### **Precautionary Statements - Prevention**

Avoid release to the environment

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

None known

#### Other Information

Harmful to aquatic life.

**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No	Weight %
Triphenyl phosphate	115-86-6	<1%

The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

**General advice:** Show this safety data sheet to the doctor in attendance Remove contaminated

clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap

and water. If symptoms persist, call a physician

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin contact: Remove and wash contaminated clothing before re-use. Wash off immediately with

soap and plenty of water.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do

not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If not breathing, give

artificial respiration If breathing is difficult, give oxygen Consult a physician.

**Note to physician:** Treat symptomatically.

Medical condition

aggravated by exposure:

None known.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical, CO2, water spray or `alcohol` foam.

**Specific hazards:** Do not allow material to contaminate ground water system.

Special protective equipment for

fire-fighters:

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

MSHA/NIOSH (approved or equivalent) and full protective gear

**Specific methods:** Water mist may be used to cool closed containers

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective

equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Environmental precautions:** Do not flush into surface water or sanitary sewer system. Prevent further leakage or

spillage if safe to do so.

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal

binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

Handling

Technical

Provide sufficient air exchange and/or exhaust in work rooms.

measures/precautions:

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe

vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and

eyes. Wash thoroughly after handling.

Storage

Technical measures/storage

conditions:

Store at room temperature in the original container.

Incompatible products: Strong oxidizing agents

Safe storage temperature: 40 - 100 ° F

Shelf life: 36 months

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Silica, amorphous, fumed, crystfree	10	None	None
Triphenyl phosphate	3 mg/m³ (TWA)	3 mg/m <sup>3</sup>	3 mg/m³ (TWA)

**Engineering measures:** Ensure adequate ventilation

Personal Protective Equipment:

**General:** Eye Wash and Safety Shower

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to a level which is

adequate to protect worker health, a NIOSH-certified respirator with organic

vapor/P100 filter should be worn.

**Eye protection:** Safety glasses with side-shields

Hand protection: Neoprene gloves

Skin and body protection: Long sleeved clothing

**Hygiene measures:** Avoid contact with skin, eyes and clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Semi-Solid

**Appearance** Off-white

**Odor** Mild Petroleum

Odor Threshold No information available

pH concentrate: No information available

pH Dilution No information available

Melting/freezing point No information available

Boiling Point/Range No information available

Flash Point 235 °C / 455 °F

Method Cleveland Open Cup (COC)

**Evaporation rate**No information available

Flammability Limits in Air

upper flammability limitNo information availablelower flammability limitNo information available

VOC Content Product (lb/gal) No information available

Vapor pressure No information available

Vapor density No information available

Specific Gravity (g/cc, 15 C) No information available

Density @ 25 ° C. (g/cc): .90

Water Solubility Insoluble

Solubility in other solvents

No information available

Partition coefficient: n-octanol/water No information available

Autoignition temperature No information available

**Decomposition Temperature**No information available

Kinematic viscosity

No information available

Dynamic viscosity

No information available

Molecular Weight No information available

# **10. STABILITY AND REACTIVITY**

**Stability:** Stable under recommended storage conditions.

Conditions to avoid: None known.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: None under normal use.

**Hazardous Polymerization:** Not applicable.

# 11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

### Information on likely routes of exposure

**Inhalation** May cause irritation of respiratory tract.

**Eye Contact** Contact with eyes may cause irritation.

**Skin Contact** Prolonged contact may cause redness and irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Triphenyl phosphate	= 3500 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
	Oral LD50 Rat 3500	Dermal LD50 Rabbit	
	mg/kg (Source:	>10000 mg/kg (Source:	
	JAPAN_GHS)	JAPAN_GHS)	

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity**The table below indicates whether each agency has listed any ingredient as a

carcinogen

Components	IARC Carcinogens	NTP	OSHA -
			Select Carcinogens

Triphenyl phosphate Not listed Not listed Not listed

**Sensitization** No information available.

Mutagenic effects: No information available.

**Reproductive Toxicity** No information available.

**Developmental Toxicity** No information available.

**Teratogenic** No information available.

Specific target organ systemic

toxicity (single exposure)

No information available.

Specific target organ systemic toxicity (repeated exposure)

No information available.

**Aspiration hazard** No information available.

## Additional information on toxicological effects

No information available

# 12. ECOLOGICAL INFORMATION

	Components	Ecotoxicity - Fish Species	Ecotoxicity - Freshwater	Ecotoxicity - Water Flea
		Data:	Algae Data:	Data:
Г	Triphenyl phosphate	0.28 - 0.5 mg/L LC50	0.86 - 1.2mg/L	EC50 (Daphnia magna -
		0.81 - 0.94 mg/L LC50	0.6 - 4 mg/L EC50	48h) = 0.86 - 1.2 mg/L
		0.53 - 0.8 mg/L LC50		
		0.47 - 1.04 mg/L LC50 =		
		1.2 mg/L LC50		

0.62% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

**Bioaccumulation** No information available.

Components	Octanol/water partition coefficient
Triphenyl phosphate	4.59

Mobility: No data available

Ozone: No data available

## 13. DISPOSAL CONSIDERATIONS

Waste from residues/unused

products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal

binder, sawdust) Sweep up and shovel into suitable containers for disposal

## 14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name: Not Regulated

TDG (CANADA):

Proper shipping name: Not Regulated

IMDG/IMO:

Proper shipping name: Not Regulated

IATA/ICAO:

Proper shipping name: Not Regulated

## 15. REGULATORY INFORMATION

**Federal Regulations** 

OSHA Hazard Communication

Standard:

This product is considered to be hazardous under the OSHA Hazard Communication

Standard.

**CERCLA/SARA Information:** 

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute):NoDelayed Health (Chronic):NoFlammability:NoPressure:NoReactivity:No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Triphenyl phosphate	Not listed	Not listed	Not listed

### Clean Air and Clean Water Acts:

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Triphenyl phosphate	Not listed	Not listed	Not listed	Not listed

### U.S. STATE REGULATIONS (RTK):

Components	California	PARTK	MI Critical	NJRTK	MARTK

	Proposition 65		Materials		
Triphenyl phosphate	Not Listed	Present	Not Listed	1951	Present

California Proposition 65 Status: No components are listed

RCRA Status: Not regulated

### **CANADIAN REGULATIONS:**

Components	CEPA Schedule I	Challenge Substances
Triphenyl phosphate	Not listed	Not listed

## **INVENTORY STATUS:**

United States TSCA Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List

All components are registered on the DSL or are exempt from

registration.

## **16. OTHER INFORMATION**

**Sources of key data used to compile** Material safety data sheets of the ingredients. **the data sheet:** 

**Prepared by:** Safety, Health and Environmental Department

**Revision Date:** 04/04/2016 **Reason for revision:** New formulation.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

## Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

**End of Safety Data Sheet**