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SDS

Safety Data Sheet

03-26-2025

Frac Valve Premium Lubricant

Section 1 - Product Identification

Product Name: Frac Valve Premium Lubricant
Product Part Number: FVLP
Product Type: Lubricant

Recommended use of the chemical and restrictions on use:

Application _____ Valve Lubricant - Use Only as Intended.
Uses advised against _____ DO NOT use this material in oxygen service.

Details of the supplier of the safety data sheet:

Manufacturer:
DUALCO, Inc.
8404 Braniff, Houston, Texas 77061
Telephone: 713-644-1164 Website: dualco-inc.com

Emergency Telephone Number:

Emergency Telephone _____ 713-644-1164

Section 2 - Hazardous Identification

Classification of the Chemical or Mixture

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product. This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical Hazards:

Not Classified

Health Hazards:

Not Classified

Environmental Hazards:

Not Classified

Label Elements

Hazard Statements

Not Classified

Emergency Overview

The product contains no substances which, at their given concentration, are considered to be hazardous to health.

Other Hazards

This product does not contain any substances classified as PBT or vPvB.

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Section 3 - Composition / Information on Ingredients

Mixtures

Name	CAS#	Concentration*
Castor Oil	8001-79-4	60-100%
Silicon Dioxide Amorphous	112945-52-5	10-30%

Composition comments

*The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

Section 4 - First Aid Measures

Description of first aid measures

General information:

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation:

No specific recommendations. If throat irritation or coughing persists, proceed as follows:

- Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
- Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

Ingestion:

No specific recommendations. If throat irritation or coughing persists, proceed as follows:

- Rinse mouth. Get medical attention if any discomfort continues.

Skin Contact: Wash contact areas with soap and water. If skin irritation develops or persists, seek medical attention.

Eye Contact: Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders: Use protective equipment appropriate for surrounding materials.

Most important symptoms and effects, both acute and delayed

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: No specific symptoms known. Spray/mists may cause respiratory tract irritation.

Ingestion: No specific symptoms known. May cause discomfort if swallowed.

Skin Contact: No specific symptoms known. May cause discomfort.

Eye Contact: No specific symptoms known. May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor _____ Treat symptomatically.

Specific treatments _____ No special treatment required.

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Section 5 - Fire Fighting Measures

Extinguishing Media

- **Appropriate Extinguishing Media:**
Foam, Carbon Dioxide, Dry Chemical, & Sand
- **Inappropriate Extinguishing Media:**
DO NOT use water jet as an extinguisher, as this will spread the fire.
Use water spray to cool containers only.

Specific Hazards

Combustion Products:

Carbon monoxide, carbon dioxide, products of incomplete hydrocarbon combustion.

Unusual Fire and Explosion Hazards:

Water may cause frothing. Will not flash spontaneously. May ignite if exposed to open flame.

Flash Point (C.O.C.): _____ > 287°C (> 550°F) • Method: Closed Cup

Flammable Limits: _____ Lower: N/A, Upper: N/A

Advice for Firefighters

Protective actions during firefighting:

Avoid breathing fire gases or vapors. Evacuate area.

Special protective equipment for firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as required. For personal protection, see Section 8.

Environmental Precautions:

Avoid discharge to the aquatic environment. **Large Spillages:** Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). See Section 12 for additional Ecological Information.

Methods for Cleaning Up:

Reclaim where possible. Wear protective clothing as described in Section 8. Clear up spills immediately and dispose of waste safely. Reuse or recycle products wherever possible. Approach the spillage from upwind.

Small Spillages: Absorb the spillage with an inert, dry material and place it in a suitable waste disposal container.

Large Spillages: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labeled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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Section 7 - Handling and Storage

Precautions for Safe Handling

Usage Precautions:

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use.

Advice on General Occupational Hygiene:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse.

Storage Precautions:

Keep containers lightly closed in a dry, cool and well-ventilated place. Store in accordance with local regulations.

Section 8 - Exposure Controls / Personal Protection

Components with Workplace Control Parameters

Components	CAS Number	Exposure Limits:		
		Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Silicon Dioxide Amorphous (Mineral Dusts)	7631-86-9	8-Hour TWA	20 mppcf	OSHA*

* OSHA = Occupational Safety and Health Administration.

Exposure Controls

Appropriate Engineering Controls: None under normal conditions

Protective Equipment:



Eye/Face Protection:

Eye-wear complying with an approved standard are a minimum level of protection. Personal protective equipment for eye and face protection should comply with OSHA 1910.133. The following protection should be worn: Chemical splash goggles.

Hand Protection:

Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection: Refer to 29 CFR 1910.134 for respiratory protection requirements.

Other Skin and Body Protection:

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

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

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Section 9 - Physical and Chemical Properties

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

General Information:

Physical State:	Semi Solid
Appearance:	Viscous Paste
Color:	Tan
Odor:	Slight
Odor Threshold	Not Determined

Basic Physical and Chemical Properties:

pH:	Not Determined
Melting Point / Freezing Point:	Not Applicable
Initial Boiling Point & Range:	Not Applicable
Flash Point (C.O.C.):	287°C (550°F) • Method: Closed Cup
Auto-ignition temperature	No Data Available
Evaporation Rate:	Not Applicable
Decomposition Temperature:	Not Applicable
Flammability (solid, gas)	Not Determined
Upper/lower flammability or explosive limits:	Not Determined
Vapor pressure:	Not Applicable
Specific Gravity (H ₂ O = 1):	1.12
Vapor density:	0.99
Solubilities:	Water: Insoluble
Partition coefficient (n-octanol/water):	Not Determined
Viscosity:	Not Available
Comments:	Meets MIL-G-6032

Section 10 - Stability And Reactivity

Reactivity:

There are no known reactivity hazards associated with this product.

Chemical Stability:

Material is chemically stable under normal conditions.

Change in Physical Appearance:

No potential hazards known under normal conditions. Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid:

Extreme heat.

Materials to Avoid:

Strong oxidizing agents.

Hazardous Decomposition Products:

Oxides of Carbon when burned.

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Section 11 - Toxicological Information

Likely Routes of Exposure:

- Eyes _____ May cause temporary irritation on eye contact.
- Inhalation _____ Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- Ingestion _____ Under normal conditions of intended use, this material is not expected to be an ingestion hazard.
- Skin Contact _____ Prolonged contact may cause redness and irritation.

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Silicon Dioxide Amorphous	= 3160 mg/Kg (Rat)	~	~

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms: Please see section 4 of this SDS for symptoms.

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

Carcinogenicity: Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Chemical Name	ACGIH	IARC *	NPT	OSHA
Silicon Dioxide Amorphous	~	Group 3	~	~

* IARC (International Agency for Research on Cancer)
Group 3 IARC components are "Not Classified as Human Carcinogens".

Numerical Values of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

Values exceed classification criteria.

Carcinogenicity

- Geno-toxicity - in vitro _____ Based on available data the classification criteria are not met.
- Carcinogenicity _____ Based on available data the classification criteria are not met.
- IARC carcinogenicity _____ None of the ingredients are listed or exempt.
- NPT _____ None of the ingredients are listed or exempt.

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Section 12 - Ecological Information

Eco-toxicity:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Large or frequent spills may have hazardous effects on the environment.

Toxicity:

Based on available data the classification criteria are not met.

Persistence and Degradability:

The degradability of the product is not known.

Bio-Accumulative Potential:

Bio-Accumulative Potential:

No data available on bio-accumulation.

Mobility in Soil:

Not Determined

Other adverse effects:

Not Determined

Section 13 - Disposal Considerations

Waste Treatment Methods:

General information

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

Disposal methods:

Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

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Section 14 - Transport Information

Note:

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

Section 15 - Regulatory Information

Inventories:

US - TSCA All the ingredients are listed or exempt.

Section 16 - Other Information

Issue Date: 05/10/2021

Revision Date: 03/26/2025

General Information

Training advice _____	Only trained personnel should use this material
Revision comments _____	Updated to meet OSHA updated GHS Standard.
Supersedes date _____	NAt
SDS No. _____	4547
SDS status _____	Approved
NFPA - health hazard _____	No health hazards specifically noted for fire situations. (0)
NFPA - flammability hazard _____	Burns only if preheated. (1)
NFPA - instability hazard _____	Normally stable. (0)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR1910.1200). The information herein is given in good faith, but no warranty, express or implied, is made. Consult Dualco Inc. for further information: 713-644-1164.

End of SDS