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SDS

Safety Data Sheet

5-10-2021

## Frac Valve Premium Lubricant

### Section 1 - Product Identification

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

### Section 2 - Hazardous Identification

#### Classification of the substance or mixture

Physical Hazards \_\_\_\_\_ Not classified  
 Health Hazards \_\_\_\_\_ Not classified  
 Environmental Hazards \_\_\_\_\_ Not classified

#### Label Elements

Hazard Statements \_\_\_\_\_ NC Not classified

#### Other Hazards

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

### 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.

## Frac Valve Premium Lubricant

**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.

## Frac Valve Premium Lubricant

### Section 5 - Fire Fighting Measures

#### Extinguishing Media

- **Appropriate Extinguishing Media:**

The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

- **Inappropriate Extinguishing Media:**

DO NOT use water jet as an extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture:

**Specific hazards:**

Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products:**

Thermal decomposition or combustion products may include the following substances:  
Harmful gases or vapors.

#### Advice for Firefighters

**Protective actions during firefighting:**

Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak.

**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 Protective Measures:

No specific recommendations. For personal protection, see Section 8.

#### Environmental Precautions:

Avoid discharge into drains or watercourses or onto the ground.

#### Spill Management:

Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

## Frac Valve Premium Lubricant

### 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. Avoid the formation of mists.

**Advice on General Occupational Hygiene:**

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product.

#### Precautions for Safe Handling

**Storage Precautions** \_\_\_\_\_ No specific recommendations.

**Storage Class** \_\_\_\_\_ Unspecified storage.

**Specific end use** \_\_\_\_\_ Frac Valve Lubricant

### Section 8 - Exposure Controls / Personal Protection

Exposure limits/standards for materials that can be formed when handling this product:

Components	CAS#	Long-term exposure limit (8-hour TWA)	Type
Silicon Dioxide Amorphous	112945-52-5	OSHA 20 mppcf	Mineral Dusts

OSHA = Occupational Safety and Health Administration.

#### Exposure Controls

**Appropriate engineering controls:**

No specific ventilation requirements.

**Eye/face Protection:**

No specific eye protection required during normal use. Large Spillages: Eye-wear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand Protection:**

No specific hand protection recommended. Large Spillages: Wear protective gloves.

**Hygiene Measures:**

Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

## Frac Valve Premium Lubricant

### Section 8 - Exposure Controls / Personal Protection (cont.)

#### Exposure Controls (cont.)

**Respiratory Protection:**

No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

**Environmental Exposure Controls:**

Not regarded as dangerous for the environment.

### 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
Color: _____	Tan
Odor: _____	Slight
Odor Threshold _____	Not Available

**Information on basic physical and chemical properties:**

pH: _____	Not Available
Melting Point: _____	Not Applicable.
Initial Boiling Point & Range: _____	Not Applicable.
Flash Point: _____	550°F (C.O.C.)
Evaporation Rate: _____	Not Applicable.
Upper/lower flammability or explosive limits: _____	Not Available
Vapor pressure: _____	Not Applicable.
Vapor density: _____	Not Applicable.
Relative density: _____	Not Available
Solubility(ies) _____	Insoluble in water.
Partition coefficient: _____	Not Available
Auto-ignition temperature: _____	Not Available
Decomposition Temperature: _____	Not Available
Viscosity: _____	Not Available
Explosive properties: _____	Not Applicable.
Specific Gravity (H2O = 1) _____	1.12
Oxidizing properties: _____	Not Available
Comments: _____	Meets MIL-G-6032

## Frac Valve Premium Lubricant

### Section 10 - Stability And Reactivity

**Reactivity:**

There are no known reactivity hazards associated with this product.

**Stability:**

Stable at normal ambient temperatures and when used as recommended.

Stable under the prescribed storage conditions.

**Possibility of hazardous reactions**

No potentially hazardous reactions known.

**Conditions to Avoid:**

There are no known conditions that are likely to result in a hazardous situation.

**Materials to Avoid:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Carbon oxides.

### Section 11 - Toxicological Information

**Toxicological Effects**

Toxicological Effects \_\_\_\_\_ Not regarded as a health hazard under current legislation.  
 Acute Toxicity - Oral (oral LD<sub>50</sub>) \_\_\_\_\_ Based on available data the classification criteria are not met.  
 Acute Toxicity - Dermal (dermal LD<sub>50</sub>) \_\_\_\_\_ Based on available data the classification criteria are not met.  
 Acute Toxicity - Inhalation (inhalation LC<sub>50</sub>) \_\_\_\_\_ Based on available data the classification criteria are not met.

**Skin Corrosion/Irritation/Sensitization**

Animal data \_\_\_\_\_ Based on available data the classification criteria are not met.  
 Serious Eye Damage/Irritation \_\_\_\_\_ Based on available data the classification criteria are not met.  
 Respiratory Sensitization \_\_\_\_\_ Based on available data the classification criteria are not met.  
 Skin Sensitization \_\_\_\_\_ Based on available data the classification criteria are not met.

**Germ Cell Mutagenicity/Carcinogenicity**

Genotoxicity - 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.

**Reproductive Toxicity**

Reproductive Toxicity - Fertility \_\_\_\_\_ Based on available data the classification criteria are not met.  
 Reproductive Toxicity - Development \_\_\_\_\_ Based on available data the classification criteria are not met.

**Specific Target Organ Toxicity (STOT)**

STOT - Single Exposure \_\_\_\_\_ Not classified as a specific target organ toxicant after a single exposure.  
 STOT - Repeated Exposure \_\_\_\_\_ Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration Hazard**

Aspiration Hazard \_\_\_\_\_ Based on available data the classification criteria are not met.

## Frac Valve Premium Lubricant

**Section 11 - Toxicological Information (cont.)****General information**

No specific health hazards known. 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.

**Route of entry**

Ingestion, Inhalation, Skin and/or Eye Contact.

**Target Organs**

No specific target organs known.

**Section 12 - Ecological Information****Eco-toxicity:**

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**Toxicity:**

Based on available data the classification criteria are not met.

**Mobility in Soil:**

No data available.

**Persistence and Degradability:**

Biodegradation: The degradability of the product is not known.

**Bioaccumulation Potential:**

No data available on Bioaccumulation.

**Partition Coefficient**

Not Available.

**Other Adverse Effects:**

None known.

## Frac Valve Premium Lubricant

### 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 Methods:

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. 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.

### Section 14 - Transport Information

#### Road (DOT):

This product is not regulated for transport by Department of Transportation (DOT)

#### Sea (IMDG):

This product is not regulated for transport by International Maritime Dangerous Goods (IMDG)

#### Air (IATA):

This product is not regulated for transport by International Air Transport Association (IATA)

### Section 15 - Regulatory Information

#### Inventories:

US - TSCA All the ingredients are listed or exempt.

### Section 16 - Other Information

Issue Number/Date: 05/10/2021

Revision 0

#### 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 pre-heated. (1)

NFPA - instability hazard \_\_\_\_\_ Normally stable. (0)

#### End of SDS

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.