



Premium Poly Valve Lubricant

Section 1 - Product Identification

Product Name: Premium Poly Valve Lubricant
 Product Part Number: PPVL
 Product Type: Lubricant
 Chemical family: Mixture: Vegetable Derived Lubricant

Recommended use of the chemical and restrictions on use:

Application — Valve Lubricant - Use Only as Entended.

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

Appearance / Odor: Tan / Slight Odor

Hazardous Ingredients:

None known under normal conditions.

Special Hazard Designations

DOT (49 CFR 172) Not regulated
 OSHA (29 CFR 1910.1200) Evaluation: Non hazardous
 RCRA (40 CFR 261) Evaluation: Non hazardous
 EPA/TSCA Listed Ingredients: None

NFPA Codes	
Health	0
Flammability	1
Reactivity	0

Label Elements

Hazard Pictogram(s)

None required under U.S. OSHA HazCom 2012 and Canadian WHMIS 2015 regulations.

Signal Word

Not required

Hazard Statement(s)

None required

Precautionary Statement(s)

None required

Other Hazards

Other hazards which do not result in classification:
 Burning produces obnoxious and toxic fumes. May be mildly irritating to eyes and skin.
 Ingestion can cause gastrointestinal irritation. If ingested get medical attention.
 For more see **Toxicological Information**, Section 11.

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

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Section 3 - Composition / Information on Ingredients

Mixtures

Chemical Name	Common Name	CAS Number	Composition %
Castor oil	Castor oil	8001-79-4	40-60
Silicon dioxide amorphous	Silicon dioxide amorphous	112945-52-5	1-5

The exact concentrations of the above listed chemicals are being withheld as a trade secret in accordance with 29 CFR 1910.1200.

Section 4 - First Aid Measures

First Aid Measures

General information:

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

Eye Contact:

Remove any contact lenses.
Flush eyes with water for 15 minutes while holding eyelids open.
If irritation persists get medical attention.

Inhalation:

First Aid not anticipated to be needed. If irritation occurs, move to fresh air. If breathing has stopped, give artificial respiration and get medical attention immediately.

Ingestion:

If ingested get medical attention. Do not induce vomiting. Wash out mouth with water.
Get medical attention if nausea or stomach pains occur.

Skin Contact:

Wash thoroughly with soap and water, launder soiled clothing before reuse. Get medical attention if irritation occurs. High pressure injection under skin requires immediate medical attention.

Most important symptoms and effects, both acute and delayed:

Eyes – Mechanical Irritant, prolonged exposure may cause irritation. Under normal conditions of use, expect to cause no more than minor, if any, eye irritation based data from components.

Inhalation – No effects known. Spray/mists may cause respiratory tract irritation.

Ingestion – Moderately irritating by ingestion.

Skin – In contact with skin, product may act as a slight local irritant and allergen. Under normal conditions of use, no adverse health effects are expected upon short term contact.

Medical Conditions Generally Aggravated by Exposure: None Known.

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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:

Harmful gases or vapors. Carbon monoxide, carbon dioxide, products of incomplete hydrocarbon combustion.

Unusual Fire and Explosion Hazards:

Containers can burst violently or explode when heated, due to excessive pressure build-up. Water may cause frothing. Will not flash spontaneously. May ignite if exposed to open flame.

Flash Point (C.O.C.): _____ 440° F.

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

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.

Steps to be taken in case material is released or spilled: Attempt to recover. Pick up small spills with shovel or spatula. Clean small residue amount with soap and water. Clean large amount with suitable oil absorbent. Keep material out of sewers and waterways. Advise appropriate authorities if large amount of product enters waterways or large land areas.

Waste Disposal Method:

Comply with all governmental regulations.

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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. 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.

Storage Precautions:

DO NOT store containers in direct sunlight; keep containers away from excessive heat, and in a cool dry place. Store below 140° F.

Keep away from strong acids and oxidizers.

Section 8 - Exposure Controls / Personal Protection

Exposure Limits

Hazardous Ingredients	CAS Number	%	Exposure Limits:		
			OSHA PEL	ACGIH TLV	NIOSH REL
Castor Oil	8001-79-4	60-90	STEL: 10 mg/m ³ Form: Oil Mist*	STEL: 10 mg/m ³ Form: Oil Mist*	
Silicon dioxide amorphous	112945-52-5	10-30	TWA: 15mg/m ³ 8 hr Form: Total Dust*		GWA: 6mg/m ³ 10 hr form: Respirable Fraction*

* Formation of oil mist or silicon dust is not expected under normal conditions.

Exposure Controls

Appropriate engineering controls: Ventilation – Local Exhaust: Acceptable.

Eye/face Protection: Eye-wear complying with an approved standard

Protective Clothing and Equipment:

Neoprene Coated Gloves, if prolonged or repeated contact is unavoidable.
Additional protective clothing and equipment as required to minimize exposure.

Respiratory Protection:

None expected to be required. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

Hygiene Measures:

In case of in skin contact, wash exposed areas thoroughly before eating, drinking, smoking or leaving work area.

Environmental Exposure Controls: Not regarded as dangerous for the environment

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Section 11 - Toxicological Information

Likely Routes of Exposure:

Eyes – Yes, Mechanical Irritant, prolonged exposure may cause minor irritation, under normal conditions of use.

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

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

Skin – Yes, product may act as a slight local irritant and allergen. Under normal conditions of use, no adverse health effects are expected with short term contact.

General information

No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Target Organs

No specific target organs known.

Not classified as a specific target organ toxicant after a single exposure.

Not classified as a specific target organ toxicant after repeated exposure.

Toxicological Data:

Toxicological Effects

Not regarded as a health hazard under current legislation.

Acute Toxicity - Oral (oral LD₅₀) _____ > 3160mg/Kg (Rat)

Acute Toxicity - Dermal (dermal LD₅₀) _____ Based on available data the classification criteria are not met.

Acute Toxicity - Inhalation (inhalation LC₅₀) _____ Based on available data the classification criteria are not met.

Skin Corrosion/Irritation Animal Data _____ Based on available data the classification criteria are not met.

Skin Sensitization _____ Based on available data the classification criteria are not met.

Respiratory sensitization _____ Based on available data the classification criteria are not met.

Serious Eye Damage/Irritation _____ Based on available data the classification criteria are not met.

Carcinogenicity / Germ Cell Mutagenicity

Carcinogenicity _____ Based on available data the classification criteria are not met.

IARC carcinogenicity _____ None of the ingredients are listed or exempt.

Genotoxicity - in vitro _____ Based on available data the classification criteria are not met.

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.

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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.

Persistence and Degradability:

The degradability of the product is not known.

Bio-Accumulative Potential:

No data available on bio-accumulation.

Partition Coefficient:

Not available.

Mobility in Soil:

No data available.

Other adverse effects:

None known.

Section 13 - Disposal Considerations

Waste treatment methods**General information:**

The generation of waste should be minimized or avoided wherever possible. 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

Material is not regulated by DOT. (Department Of Transportation)

Material is not regulated by IMDG. (International Maritime Dangerous Goods)

Material is not regulated by IATA. (Air Transport Association)

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Section 15 - Regulatory Information

State Regulations

California Prop. 65	No ingredients listed
Massachusetts Right to Know	No ingredients listed
New Jersey Right to Know	No ingredients listed
Pennsylvania RTK Hazardous Substances	No ingredients listed
United States inventory (TSCA)	All ingredients listed or exempt.

US Regulations

No ingredient in this product is subject to the reporting requirements of SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4)

International Regulations

Canada - WHMIS Classification	Not controlled. WHMIS: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.
Canada Domestic Substances List	All ingredients listed or exempt.
Europe Inventory (EINECS)	All ingredients listed or exempt.
Australia Inventory (AICS)	All ingredients listed or exempt.
China Inventory (IECSC)	All ingredients listed or exempt.
New Zealand Inventory of Chemicals (NZIoC)	All ingredients listed or exempt.
Philippines Inventory (PICCS)	All ingredients listed or exempt.

Section 16 - Other Information

General information: Only trained personnel should use this material.

Training advice: Contact the Supplier. Only trained personnel should use this material.

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End of SDS

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.