



General Purpose

Section 1 - Product Identification

Product Name: General Purpose
 Product Part Number: GP
 Product Type: Valve Lubricant/Sealant
 Chemical family: Mixture: Vegetable Derived Lubricant

DUALCO, Inc.
 8404 Braniff, Houston, Texas 77061
 Telephone # 713-644-1164

Section 2 - Hazardous Identification

Classification of the Chemical

Appearance / Odor: Light Tan / Mild to Neutral

Hazardous Ingredients:
 Not considered hazardous under normal conditions.

NFPA Codes	
Health	0
Flammability	1
Reactivity	0

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

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.

General Purpose

Section 3 - Composition / Information on Ingredients

Mixtures

Chemical Name	Common Name	CAS Number	Composition %
Castor oil	Castor oil	8001-79-4	60-90
Silicon dioxide amorphous	Silicon dioxide amorphous	112945-52-5	10-30

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

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. Not expected to be acutely toxic by inhalation.

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.

General Purpose

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.): _____ 540° F.

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.

Section 6 - Accidental Release Measures

Personal Protective Measures:

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

Environmental Precautions:

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.

General Purpose

Section 7 - Handling and Storage

Precautions for Safe Handling

Usage Precautions:

Accidental release or spills: attempt to recover. Pick up small spills with shovel or spatula.

Waste Disposal Method: Comply with all governmental regulations.

Advice on General Occupational Hygiene:

Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking or leaving work area.

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:

Safety Glasses

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.

Hygiene Measures:

Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking or leaving work area.

General Purpose

Section 11 - Toxicological Information

Likely Routes of Exposure:

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

Inhalation – Not Likely.

Ingestion – Not Likely.

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.

Acute Toxicological Data

Acute Toxicity:	Castor Oil:	Silicon dioxide amorphous
Oral (oral LD ₅₀)	Not Applicable	3160mg/Kg (Rat)
Dermal (dermal LD ₅₀)	Not Applicable	Not Applicable
Inhalation (inhalation LC ₅₀)	Not Applicable	Category 1 Route of exposure: Lungs

Toxicological Effects

Corrosivity _____ Not Applicable

Sensitization _____ Not Applicable

Germ Cell Mutagenicity/Carcinogenicity

Carcinogenicity _____ Not classifiable as a human carcinogen.

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

IARC Monographs _____ No

OSHA Regulation _____ No

NTP _____ No

Section 12 - Ecological Information

Eco-toxicity:

Not regarded as hazardous for the environment. Biodegradable.

Section 13 - Disposal Considerations

Disposal should be in accordance with Federal, State and Local Regulations.

General Purpose

Section 14 - Transport Information

Material is non-hazardous – not regulated by DOT or IMDG.
 Material is not dangerous or hazardous for transport by IATA.

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

None

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.