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# SDS

Safety Data Sheet

02-04-2025

## Arctic Valve Stem Packing

### Section 1 - Product Identification

Product Name: Arctic Valve Stem Packing

Product Part Number: ASP

Product Type: Valve Lubricant/Sealant

Chemical family: Mixture: Proprietary Oil and Silica, concentrations and composition has been withheld as a trade secret.

#### Recommended use of the chemical and restrictions on use:

Application \_\_\_\_\_ Valve Lubricant/Sealant - 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

Appearance / Odor: Blue Viscous Paste / Slight Odor

#### Hazardous Ingredients:

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

#### Classification:

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).

#### 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

Signal Word: None required

Hazard Statement(s): None required

Precautionary Statement(s): None required

Other Hazards: None Known

## Arctic Valve Stem Packing

**Section 3 - Composition / Information on Ingredients****Mixtures**

Chemical Name	CAS Number	Composition %
Proprietary Oil	Proprietary	75 - 90
Proprietary Silica	Proprietary	0.1 - 0.9

NFPA Codes	
Health	0
Flammability	1
Reactivity	0

- 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:**

Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's condition declines or if symptoms persist.

**Ingestion:**

Rinse mouth. Do Not induce vomiting. Wash out mouth with water. Drink 1 or 2 glasses of water.  
Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**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. Direct contact with eyes may cause temporary irritation.

**Ingestion** - May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

**Skin** - In contact with skin, product may act as a slight local irritant and allergen.

**Medical Conditions Generally Aggravated by Exposure:** None Known.

**Notes to Physician:** Treat symptomatically.

## Arctic Valve Stem Packing

### Section 5 - Fire Fighting Measures

#### Extinguishing Media

- **Appropriate Extinguishing Media:**  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- **Inappropriate Extinguishing Media:**  
Not Determined.

#### Specific Hazards

**Combustion Products:**

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

**Unusual Fire and Explosion Hazards:**

Will not flash spontaneously. May ignite if exposed to open flame.

Flash Point (C.O.C.): \_\_\_\_\_ > 392° 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.

## Arctic Valve Stem Packing

### 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:**

Keep containers tightly closed. Keep containers away from excessive heat, and in a cool, dry, well ventilated place.

Keep away from strong acids and oxidizers.

### Section 8 - Exposure Controls / Personal Protection

#### Exposure Limits

**STEL 10** (Recommended)

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary Silica	-	TWA: 20 Million particles / ft <sup>3</sup>	-

#### Exposure Controls

**Appropriate Engineering Controls:** Ventilation – Local Exhaust: Acceptable.

**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.

## Arctic Valve Stem Packing

### 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: \_\_\_\_\_ Thick Grease  
Color: \_\_\_\_\_ Blue  
Odor: \_\_\_\_\_ Slight  
Odor Threshold \_\_\_\_\_ Not Applicable

#### Basic Physical and Chemical Properties:

pH: \_\_\_\_\_ Not Applicable  
Melting Point: \_\_\_\_\_ None  
Boiling Point: \_\_\_\_\_ Not Applicable  
Flash Point (C.O.C.): \_\_\_\_\_ > 392° F  
Evaporation Rate (Butyl Acetate = 1): \_\_\_\_\_ Not Applicable  
Flammability (solid, gas); \_\_\_\_\_ Non-Flammable  
Upper/lower flammability or explosive limits: \_\_\_\_\_ Not Applicable  
Vapor pressure: \_\_\_\_\_ Not Applicable  
Vapor density: \_\_\_\_\_ Not Applicable  
Freezing Point: \_\_\_\_\_ - 4° F  
Solubilities: \_\_\_\_\_ Soluble in alcohols and petroleum distillates  
                                \_\_\_\_ Insoluble in water  
Partition coefficient: \_\_\_\_\_ Not Applicable  
Auto-ignition temperature: \_\_\_\_\_ Not Applicable  
Decomposition Temperature: \_\_\_\_\_ Not Applicable  
Specific Gravity (H<sub>2</sub>O = 1 ): \_\_\_\_\_ 0.99

### Section 10 - Stability And Reactivity

#### Reactivity:

There are no known reactivity hazards associated with this product.

#### Chemical Stability:

Material is chemically stable.

#### Change in Physical Appearance:

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

#### Conditions to Avoid:

Extreme heat. Keep out of reach of children.

#### Materials to Avoid:

Strong oxidizing agents.

#### Hazardous Decomposition Products:

Oxides of Carbon when burned. Heavy Smoke.

## Arctic Valve Stem Packing

### Section 11 - Toxicological Information

#### Likely Routes of Exposure:

**Eyes** – Yes, Mechanical Irritant, prolonged exposure may cause minor irritation. Avoid Direct Eye Contact.

**Inhalation** – Not Likely.

**Ingestion** – Not Likely. •• Do Not Taste or Swallow ••

**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.

**Note** – Follow guidelines in Section 8.

#### Toxicological Data:

Chemical Name	Oral (oral LD <sub>50</sub> )	Dermal (dermal LD <sub>50</sub> )	Inhalation (inhalation LC <sub>50</sub> )
Proprietary Silica	3160mg/Kg (Rat)	~	~

#### Carcinogenicity:

Chemical Name	ACGIH	IARC	NPT	OSHA
Proprietary Silica	~	Group 3	~	~

#### 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:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence/Biodegradability:** Not Determined

**Bio-accumulation:** There is no data for this product.

**Mobility:** Not Determined

**Other Adverse Effects:** Not Determined

## Arctic Valve Stem Packing

### Section 13 - Disposal Considerations

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

### Section 14 - Transport Information

Material is Non-Hazardous – not regulated by DOT, IMDG or IATA.

### Section 15 - Regulatory Information

#### International Inventories

Chemical Name	TSCA	TSCA Inventory Status	DSL / NDSL	EINECS / ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary Oil	x	Active	x	x		x	x	x	x
Proprietary Silica	x		x		x	x	x	x	x

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL / NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS / ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### US Regulations

##### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

##### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations.

## Arctic Valve Stem Packing

### Section 16 - Other Information

None

#### 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