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DUALCO • 8404 Braniff, Houston, Texas 77061
713-644-1164 • FAX 713-644-7761
www.dualco-inc.com
e-mail: dualco@dualco-inc.com

SDS

Safety Data Sheet

09-12-2023

Valve Cleaner

Section 1 - Product Identification

Product Name: Valve Cleaner
Product Part Number: VC
Product Type: Cleaner / Flush
Chemical family: Mixture: Castor Oil

Recommended use of the chemical and restrictions on use:

Application _____ Valve Cleaner - Use Only as Entended.
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: Yellow Liquid / 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

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.

Valve Cleaner

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

Chemical Name	Common Name	CAS Number	Composition %
Castor Oil	Castor Oil	8001-79-4	>80%

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:

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.

Valve Cleaner

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.

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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

Ingredient	CAS Number	%	Exposure Limits: STEL 10 (Recommended)	
			OSHA PEL	ACGIH TLV
Castor Oil*	8001-79-4	>80%	10 mg/m ³	10 mg/m ³

*These Limits are for Castor Oil in Mist form

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.

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.

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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 – 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.

Toxicological Effects

Acute Toxicity - Oral (oral LD ₅₀) _____	>5000mg/Kg
Acute Toxicity - Dermal (dermal LD ₅₀) _____	No Data
Acute Toxicity - Inhalation (inhalation LC ₅₀) _____	No Data
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.

Section 14 - Transport Information

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

Valve Cleaner

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.

Issue date 06 / 16 / 2021

Revision 09 / 12 / 2023

End of SDS

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.

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