



1-800-375-0605
Option 8 for 24/7 Service



6550 Oley Speaks Way
Canal Winchester, OH 43110



www.RudolphBros.Com
RBCsupport@RudBro.Com



Safety Data Sheet

Version 1.0
Revision Date 02/28/2019

SDS Number 300000078647
Print Date 05/08/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Dynalube

Product Use Description : Flushing Solvent

Manufacturer/Importer/Distributor : Versum Materials US, LLC

Exporter EIN No. 47-5632014

Emergency telephone number (24h) : 1-800-424-9300
(+1) 703-741-5970 (CHEMTREC)

2. HAZARDS IDENTIFICATION

GHS classification
Not a dangerous substance according to GHS

GHS label elements
Hazard pictograms/symbols: None.

Signal Word: Not applicable.

Hazard Statements:
Not applicable.

Hazards not otherwise classified
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Concentration
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Fatty acids, C16-C18 and C18-unsatd., methyl esters	67762-38-3	(Weight) > 90%
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4. FIRST AID MEASURES

- General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact : Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.
- Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 20 minutes.
- Ingestion : Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.
- Inhalation : Treat symptomatically. Move to fresh air.
- Inhalation : No data available.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO2).
Dry chemical.
Dry sand.
Limestone powder.
- Specific hazards : Incomplete combustion may form carbon monoxide. No special precautions required.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : The product, as distributed, is noncombustible.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment, and Emergency Procedures : Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.
- Environmental precautions : Construct a dike to prevent spreading.
- Methods for cleaning up : Call Emergency Response number for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.
- Additional advice : If possible, stop flow of product.

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7. HANDLING AND STORAGE

Handling

Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage

Keep containers tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Provide readily accessible eye wash stations and safety showers.
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment

- | | |
|---|---|
| Respiratory protection | : Wear appropriate respirator when ventilation is inadequate. |
| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. |
| Eye protection | : Chemical safety glasses. |
| Skin and body protection | : Long sleeve shirts and trousers without cuffs. |
| Special instructions for protection and hygiene | : Wash hands at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers. |

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|---------------------|------------------------------------|
| Appearance | : Liquid. Colorless - Light yellow |
| Odor | : No data available. |
| Odor threshold | : No data available. |
| pH | : No data available. |
| Melting point/range | : No data available. |

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Boiling point/range	: > 400 °F (> 204.44 °C)
Flash point	: 423 °F (217.0 °C) Pensky-Martens Closed Cup
Evaporation rate	: No data available.
Flammability (solid, gas)	: Not applicable.
Upper/lower explosion/flammability limit	: Not applicable.
Vapor pressure	: No data available.
Water solubility	: Negligible.
Relative vapor density	: Not applicable.
Relative density	: 0.86 (water = 1)
Partition coefficient: n-octanol/water [log Kow]	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Viscosity	: No data available.
Density	: No data available. : 53.688 lb/ft ³ (0.86 g/cm ³)

10. STABILITY AND REACTIVITY

Chemical Stability	: Stable under normal conditions.
Conditions to avoid	: No data available.
Materials to avoid	: Strong oxidizing agents.
Hazardous decomposition products	: Carbon monoxide. Carbon dioxide (CO ₂).
Possibility of hazardous Reactions/Reactivity	: No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Likely routes of exposure

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- Effects on Eye : Mild eye irritation.
- Effects on Skin : Mild skin irritation.
- Inhalation Effects : Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.
- Ingestion Effects : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
- Symptoms : No data available.

Acute toxicity

- Acute Oral Toxicity : No data is available on the product itself.

Acute Oral Toxicity - Components

Fatty acids, C16-C18 and C18-unsatd., LD50 : > 5,000 mg/kg Species : Rat
methyl esters

- Inhalation : No data is available on the product itself.

- Acute Dermal Toxicity : No data is available on the product itself.

Acute Dermal Toxicity - Components

Fatty acids, C16-C18 and C18-unsatd., LD50 : > 2,000 mg/kg Species : Rabbit
methyl esters

- Skin corrosion/irritation : Mild skin irritation.

- Serious eye damage/eye irritation : Mild eye irritation.

- Sensitization. : No data available.

Chronic toxicity or effects from long term exposures

- Carcinogenicity : No data available.

- Reproductive toxicity : No data is available on the product itself.

- Germ cell mutagenicity : No data is available on the product itself.

- Specific target organ systemic toxicity (single exposure) : No data available.

- Specific target organ systemic toxicity (repeated exposure) : No data available.

- Aspiration hazard : No data available.

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Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.

Toxicity to other organisms : No data available.

Persistence and degradability

Biodegradability : No data is available on the product itself.

Mobility : No data available.

Bioaccumulation : No data is available on the product itself.

Bioaccumulation - Components
Fatty acids, C16-C18 and C18-unsatd., Methyl esters
Potential to bioaccumulate is low.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : Contact supplier if guidance is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

14. TRANSPORT INFORMATION

DOT

Not dangerous goods

IATA

Not dangerous goods

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IMDG

Not dangerous goods

TDG

Not dangerous goods

Further Information

The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact customer service.

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) 12(b) Component(s):

None.

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Included on Inventory.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification

No SARA Hazards

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level

None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

16. OTHER INFORMATION

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HMIS Rating

Health : 1
Flammability : 1
Physical hazard : 0

Prepared by : Versum Materials, Product Regulatory Department

Preparation Date : 05/08/2019

For additional information, please visit Versum Materials' Product Stewardship web site.
<http://www.versummaterials.com/productstewardship/>



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