

SILICONE COMPOUND DM™

MOISTURE PROOFING SEALANT & LUBRICANT

DESCRIPTION

JET-LUBE's SILICONE COMPOUND DM™ is a premium silicone compound for use in a wide variety of applications. Its low volatility, non-melting thickener and high dielectric strength make it the compound of choice for moisture proofing ignition systems, spark plug connections, electrical assemblies, cable and battery terminals and other similar applications.

SILICONE COMPOUND DM provides excellent lubrication and sealing properties for plug and gate valves, stuffing boxes, o-rings, and vacuum and pressure systems. The low volatility and inert properties allow it to be used on a wide range of elastomers and plastics. Ideally suited for subzero processing facilities and spiral freezer applications. It is not recommended for use on surfaces to be painted.

- NSF H-1 Registered #132224 (DM-3), #132225 (DM-2)
- Excellent for high temperature bearings, conveyor systems, and low-temp refrigeration systems.
- Water resistant
- Nontoxic/Safe
- Wide temperature range
- Extremely chemical resistant
- Translucent paste
- Highly resistant to oxidation and shear breakdown
- Suitable for valve lubrication
- Dielectric strength: 500 volts/mil typical
- Conforms to: MIL S-8660C (DM-3)
MIL C-21567A (DM-2)
- NATO Code #S-736

NOTE: Standard Grade is NLGI 3

PRODUCT CHARACTERISTICS

Thickener	Inorganic
Fluid Type	Silicone
Color/Appearance	Translucent to opaque gel/paste
Dropping Point (ASTM D-566)	None
Specific Gravity	1.05
Density (lb/gal), Typical	8.9
Flash Point (ASTM D-92), Typical	>500°F (260°C)
Autoignition Point (Calculated)	600°F (316°C)
NLGI Grade, Standard	3
Penetration	220 - 250
Copper Strip Corrosion (ASTM D-4048)	1A
Oil Separation, Wt. % (24 hrs. @ 100°C)	<1.0%
Temperature Range	-70°F (-57°C) to 400°F (204°C)
Dielectric Breakdown Voltage (ASTM D149), Typical	500 volts/mil

PACKAGING

Code No.	Container Size	Container
73560	5 oz.	Tube
73550	14 oz.	Cartridge
73505	1 lb.	Can
73506	5 lb.	Can
73516	35 lb.	Pail
73524	120 lb.	Drum
73529	400 lb.	Drum

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

CORPORATE LOCATIONS



ReinhardOil.dk
Helleruplund Alle 8
DK-2900 Hellerup
Tel: +45 70 26 70 07
CVR 32659470
www.reinhardoil.dk

JET-LUBE, INC.

MATERIAL SAFETY DATA SHEET

Product Name: SILICONE COMPOUND DM™
Chemical Family: Synthetic based lubricant
Use: Valve lubricant/sealant and equipment lubrication

Supplier: .



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Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Nonhazardous Blend	63148629/7631869 70131678/57556	100	UN	UN	STEL: UN

Main Hazards—Health Effects

Eyes: May cause irritation. **Inhalation:** Viscous nature may block breathing passages if inhaled. **Ingestion:** May cause diarrhea.
Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. **Inhalation:** Clear air passage. If respiratory difficulty continues, seek medical help. **Ingestion:** Wash out mouth immediately. Consult physician. **Skin:** Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. **Unsuitable Extinguishing Media:** Water jet.
Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. **Environmental Precautions:** Do not allow it to enter drains. **Spillage:** Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. **Storage:** Do not store at elevated temperatures.

Respiratory Protection: None needed. **Hand Protection:** Protective gloves for hypersensitive persons. **Eye Protection:** Glasses, if applied to parts in motion. **Body Protection:** Overalls.

Physical State: Smooth semiplastic **Color:** Opaque white **Odor:** Low **pH:** Neutral **Boiling Range/Point °F (°C):** >600 (316)
Melting Point °F (°C): None **Flash Point (COC) °F (°C):** >500 (260) **Autoignition Temperature °F (°C):** >600 (316)
Explosive Properties: LEL: UN UEL: UN **Evaporation Rate (Butyl Acetate):** <0.01 **Partition Coefficient (Log Pow):** N/A
Vapor Pressure (kPa): <0.01 **Percent Volatiles:** Nil **Density (g/cm³):** 1.06 **Flammability:** Not flammable at ambient temperature.
OAR Value: N/A **Oxidizing Properties:** None **Water Solubility:** Not soluble **Vapor Density:** >5

Stability: Chemically stable under normal conditions. No photoreactive agents. **Conditions to Avoid:** Powerful sources of ignition and extreme temperatures. **Materials to Avoid:** Strong inorganic & organic acids, oxidizing agents. **Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon & silicone. Residue mainly comprised of soot & mineral oxides.

Acute Toxicity: Not known. **Irritancy—Skin:** Very mild. **Skin Sensitization:** Not known. **Subacute/Sub-chronic Toxicity:** Not known.
Genotoxicity: None known. **Chronic Toxicity:** None known. **California Prop 65:** N/A **Carcinogen:** NTP: No IARC: No **OSHA:** No
EC Classification (67/548/EEC): No **LC-50:** >4000mg/kg—extrapolated from component data. **LD-50:** Not applicable

Possible Effects: Unlikely to act as a marine pollutant

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. **Container Disposal:** Pails without liner—see Product Disposal section above. **Pails with plastic liner—**pail may only be disposed of via standard waste disposal services, recycled or reused. **Liner—**see Product Disposal section above.

Not classified as hazardous for transport. **D.O.T.:** Nonhazardous **UN No.:** Nonhazardous **Air Transport (ICAO & IATA):** Nonhazardous
Sea Transport (IMO & IMDG): Nonhazardous **Road & Rail Transport (ADR/RID):** Nonhazardous


Labeling Information: None needed **EC Annex 1 Classification:** Not Applicable. **R Phrases:** R22—harmful if swallowed.

S Phrases: None applicable, as known. **Ozone Depleting Chemicals:** Not applicable. **TSCA:** All components are listed.

WHMIS (Canada): Not controlled. **Canadian DSL:** All components listed. **40 CFR Part 372 (SARA Section 313):** N/A

CERCLA: Nonhazardous **RCRA Hazard Class:** Nonhazardous **SARA 311/312:** None **TSCA 12B Components:** None

New Jersey Right To Know: See Section II

Signature: 
Prepared by: Donald A. Oldiges
Date Issued: October 12, 2009

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LEGEND

- I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- II. COMPOSITION INFORMATION ON INGREDIENTS
- III. HAZARDS IDENTIFICATION
- IV. FIRST AID MEASURES
- V. FIRE FIGHTING MEASURES
- VI. ACCIDENTAL RELEASE MEASURES
- VII. HANDLING AND STORAGE
- VIII. EXPOSURE CONTROL/PERSONAL PROTECTION
- IX. PHYSICAL AND CHEMICAL PROPERTIES
- X. STABILITY AND REACTIVITY
- XI. TOXICOLOGICAL INFORMATION
- XII. ECOLOGICAL INFORMATION
- XIII. WASTE DISPOSAL
- XIV. TRANSPORT INFORMATION
- XV. REGULATORY INFORMATION
- XVI. OTHER INFORMATION

HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	N/A

NFPA SYMBOL

