



Conforms to Regulation (EC) No. 1907/2006 - United Kingdom (UK)

SAFETY DATA SHEET

JET-LUBE SILICONE COMPOUND DM 3

Product classified as non-hazardous according to NOHSC classification

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product Name: JET-LUBE SILICONE COMPOUND DM 3

Use of the substance/preparation: Silicone Lubricant

Company/undertaking identification

Manufacturer:

Jet-Lube, Inc.

4849 Homestead Rd., Suite 232

Houston, TX 77028

Email: doldiges@jetlube.com

USA Corporate phone:

(713) 670-5700

Australian Contact:

Xtex Pty. Ltd

ABN 40 121 722 236

80 Daly Street

Ascot, WA 6104

1300-00-9839 phone

0437-272-490 mobile

Emergency telephone numbers:

NHS DIRECT in the UK

USA: CHEMTREC:

(800) 424-9300

Emergency number: 08454647

Outside US (Chemtrec):

(703) 527-3887

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: Not classified

Physical/chemical hazards: Not applicable

Human health hazards: Not applicable

Environmental hazards: Not applicable

See section 11 for more detailed information on health effects and symptoms.

3. Composition /information on ingredients

Substance/preparation:

Preparation

Ingredient name	CAS Number	EC Number	%	Classification
Polydimethyl Siloxane	63148-62-9	Polymer	80 - 85	Not classified
Silane, dichlorodimethyl-, rxn products with silica	68611-44-9	271-893-4	12 - 16	Not classified
Polydimethyl Siloxane, Hydroxy terminated	70131-67-8	232-188-7	5 - 10	Not classified

See section 16 for the full test of the R Phrases declared above.

* Occupational Exposure Limit(s), if available, are listed in Section 8

The quantities of potential carcinogenic compounds detected in the fluids are far below the regulatory levels beyond which listing as carcinogenic material is required.

4. First aid measures

Effects and symptoms

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin Contact: No known significant effects or critical hazards.

Eye contact: No known significant effects or critical hazards.

First aid measures

Inhalation: No first aid should be needed.

Ingestion: No first aid should be needed.

Skin contact: Flush contaminated skin with plenty of soap and water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persists.

See section 11 for more detailed information on health effects and symptoms.

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5. Fire-fighting measures

Extinguishing media:

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Special exposures hazards:

No specific hazard.

Hazardous thermal

Oxides of carbon.

decomposition products:

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions:

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up:

If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

7. Handling and storage

Handling:

Use with adequate ventilation. Avoid eye contact.

Storage:

Use reasonable care and store away from oxidizing materials.

Packaging materials

Recommended:

Use original container.

Specific uses:

Not available.

8. Exposure controls/personal protection

Ingredient Name:

Occupational exposure limits

Polydimethyl Siloxane

EH40-WEL (United Kingdom (UK), 9/2006)

No Data Available

Silane, dichlorodimethyl-, rxn products with silica

TLV (United States (US))

TWA: 10 mg/m³ 8 hours. Form: Inhalable fraction

Polydimethyl Siloxane, hydroxy terminated

EH40-WEL (United Kingdom (UK), 9/2006)

No Data Available

Exposure controls

Occupational exposure controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors are collected at their point of release. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection:

No respiratory equipment is required for normal use.

Hand protection:

Handle in accordance with good industrial hygiene and safety practices.

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, or mists.

Skin protection:

Washing at mealtime and end of shift is adequate.

9. Physical and chemical properties

Physical state:

Semi-fluid Gel or paste

Color:

translucent to opaque white

Odor:

Nil

pH:

Neutral

Boiling point:

>315 C (600 F)

Melting point:

None

Flash point:

>260°C (500°F)

Flammability (solid, gas):

Not applicable

Explosive properties:

None

Explosive limits:

Lower: N/A Upper: N/A

Oxidizing properties:

Not available

Vapor pressure:

<0.01 kPa (<0.08 mm Hg) (at 20°C)

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Specific gravity:	1.1
Density:	1.10 g/cm ³
Solubility:	Insoluble in cold water & hot water.
Octanol/water partition coefficient:	Not available
Viscosity:	Not available
Vapor density:	>5 (Air = 1)
Evaporation rate (butyl acetate = 1):	<0.01 compared with Butyl acetate
Auto-ignition temperature:	>315 C (600 F)

10. Stability and reactivity

Stability:	The product is stable.
Conditions to avoid:	Keep container away from extreme heat .
Materials to avoid:	Strong oxidizers.
Hazardous Decomposition products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition
Hazardous polymerization:	Will not occur.

11. Toxicological information

Potential acute health effects

Inhalation:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Eye contact:	No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Silane, dichlorodimethyl-, rxn products with silica	LD50	>10000 mg/l	Oral	Rat
	LD50	>10000 mg/l	Dermal	Rabbit

Potential chronic health effects

Carcinogenicity: No known significant effects or critical hazards.

California Prop 65:

None

Australian National Health & Safety Commission (NOSC):

None

Mutagenicity:

No known significant effects or critical hazards.

Reproductive toxicity:

No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation:

No known significant effects or critical hazards as high viscosity makes inhalation unlikely.

Ingestion:

No known significant effects or critical hazards as grease results in gastric distress negating bioaccumulation concerns.

Skin:

No known significant effects or critical hazards.

Target organs:

No known significant effects or critical hazards.

Other adverse effects:

Not available

12. Ecological information

Ecotoxicity data

Ingredient name	Species	Period	Result
Silane, dichlorodimethyl-, rxn products with silica	Daphnia magna (EC50)	24 hr/hrs	>10000 mg/l
	Brachydanio rerio	96 hr/hrs	>10000 mg/l

Other ecological information

Mobility:

Not available

Other adverse effects:

No known significant effects or critical hazards.

13. Disposal consideration

Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and contact with soil, waterways, drains and sewers. Disposal of this product and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste:

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

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14. Transport information

Hazchem code 1Z

International transport regulations

Regulatory information	UN Number	Proper shipping name	Class	Packing group	Label	Additional information
US Dept. of Transportation	Not regulated	-	-	-	-	-
ADR/RID Class	Not regulated	-	-	-	-	-
ADNR Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-
Canada - TDG	Not regulated	-	-	-	-	-
Australia ADG Code	Not regulated	-	-	-	-	Reference SP-AU01

15. Regulatory information

Poison Schedule

Not scheduled

EU Regulations

Risk Phrases:

This product is not classified according to EU legislation.

Safety Phrases:

This product is not classified according to EU legislation.

Product use:

Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. Industrial applications.

Other EU regulations

Additional warning phrases:

Restrictions on the marketing and use directive:

Not applicable.

National regulations United Kingdom (UK)

COSHH:

The use of this chemical product must be in compliance with provisions included in COSHH (1999) and COSHH Essentials (1999).

US Regulations:

TSCA: All components are listed. (See Section 3).

TSCA 12B Components: None

SARA 313 (40 CFR Part 372):

None above reportable limits

SARA 311/312:

None

CERCLA RQ: N/A

OZONE DEPLETING CHEMICALS: None

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

RCRA Hazard class: N/A

Clean Air Act Sect 112 Hazardous Air Pollutants (HAPs): None

Volatile Organic Chemicals (VOCs): Nil

NSF Food Registered:

Category H-1 NSF Registration File Number: 132224

State Right to Know:

New Jersey: 63148-62-9, 68611-44-9, 70131-67-8
Pennsylvania: 63148-62-9, 68611-44-9, 70131-67-8
Massachusetts: 63148-62-9, 68611-44-9, 70131-67-8
Rhode Island: 63148-62-9, 68611-44-9, 70131-67-8

Canadian Regulations:

DSL: All components are listed. (See Section 3)

WHMIS: CLASS B-2: Not regulated

RoHs Compliance

This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

16. Other information

History

Date of printing:

November 19, 2010

Date of issue:

November 19, 2010

Date of previous issue:

No previous validation

Version:

1A

Prepared by:



Name & Title

Donald Oldiges, VP of Research & Development

NFPA:

Health: 0

Flammability: 1

Reactivity: 0

HMIS:

Health: 0

Flammability: 1

Reactivity: 0

PPE: B

Notice to reader:

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All practical steps have been taken to ensure this data sheet and the health, safety and environmental information contained in this document is accurate as of the date specified above. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet. You should not use the product other than for the stated application or applications without seeking advice from us. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations in the country of use. Jet-Lube is not responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use have the duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. If this material is printed, circulated, distributed or copied in any manner, it is no to be modified without prior written permission, and further, it is to include the wording of the above disclaimer.