

# Safety Data Sheet

## Silicone Lubricant

Issue date 10-Jul-2019

Revision date 24-May-2019

Version 6

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product Identifier

**Product name** Silicone Lubricant

**INCI** Dimethicone

**Pure substance/mixture** Substance

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Intermediate, Chemical intermediate, Additive

**Uses advised against** No information available

#### 1.3. Details of the supplier of the safety data sheet

Aliaxis Ltd  
Dickley Lane  
Lenham  
Maidstone  
Kent ME17 2DE

**For further information, please contact**

#### 1.4. Emergency telephone number

**Emergency telephone** +44 1622 858888

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Regulation (EC) No 1272/2008**

This substance is not classified as dangerous according to regulation (EC) 1272/2008 [GHS].

#### 2.2. Label Elements **Product Identifier**

This substance is not classified as dangerous according to regulation (EC) 1272/2008 [GHS].

**Signal Word** None

#### 2.3. Other Hazards

No information available

**SECTION 3: Composition/information on ingredients****3.1 Substances**

None known based on information supplied

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**Full text of H- and EUH-phrases: see section 16**

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General advice</b>	When in doubt or if symptoms are observed, get medical advice.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye Contact</b>	If substance enters the eyes, immediately rinse with plenty of water for several minutes.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Note to doctors** Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable Extinguishing Media**

Use. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapours

**Hazardous combustion products** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Silicon dioxide, Formaldehyde.

**5.3. Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Evacuate personnel to safe areas.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

See Section 12 for additional Ecological Information.

### **6.3. Methods and material for containment and cleaning up**

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. Use personal protective equipment as required.

### **6.4. Reference to other sections**

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### **General hygiene considerations**

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel.

### **7.3. Specific end use(s)**

#### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available

No information available

**Predicted No Effect Concentration (PNEC)**

## 8.2. Exposure controls

### Engineering controls

Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

#### Eye/face Protection

Wear safety glasses with side shields (or goggles).

#### Hand protection

Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

#### Skin and Body Protection

Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.

#### Respiratory protection

None under normal use conditions.

### Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid		
<b>Appearance</b>	No information available	<b>Odour</b>	odourless
<b>Colour</b>	Colourless, clear	<b>Odour threshold</b>	No information available
<b>Property</b>	<b>Values</b> approx. -50 °C	<b>Remarks • Method</b>	
<b>pH</b>			No information available
<b>Melting point/freezing point</b>	/ -58 °F		
<b>Boiling point / boiling range</b>			No information available open cup CC (closed cup)
<b>Flash Point</b>	> 300 °C / 572 °F > 120 °C / 248 °F		No information available
<b>Evaporation Rate</b>			No information available
<b>Flammability (solid, gas)</b>			No information available
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapour pressure</b>	No data available	@ 20°C	No information available
<b>Vapour Density</b>	No data available	@ 20°C	
<b>Specific gravity</b>	approx. 0.970 g/cm <sup>3</sup>	@ 25°C	
<b>Water solubility</b>	No data available	@ 20°C	
<b>Solubility(ies)</b>	Insoluble in water		
<b>Partition coefficient</b>	approx. 410 °C / 842 °F		No information available
<b>Autoignition Temperature</b>	> 250 °C No data available		
<b>Decomposition temperature</b>	approx.	@ 40 °C	
<b>Kinematic viscosity</b>	1000 mm <sup>2</sup> /s No data available	@ 25°C	
<b>Dynamic viscosity</b>	approx.	@ 40 °C	
	1000 mPa s	@ 25°C	
<b>Explosive properties</b>	No information available		

Oxidising properties No information available

### 9.2. Other information

No information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

None known based on information supplied.

### 10.5. Incompatible materials

Incompatible with oxidising agents. Acids. Bases.

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapours. If this product is heated to > 150 °C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### Acute Toxicity

#### Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

<b>Inhalation</b>	No data available.
<b>Eye Contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

#### Oral LD50

> 15400 mg/kg	Rat
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#### Dermal LD50

> 2008 mg/kg	Rabbit
<b>Unknown acute toxicity</b>	0% of the mixture consists of ingredient(s) of unknown toxicity.

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Sensitisation** No information available.

**Germ Cell Mutagenicity** No information available. **Carcinogenicity** No

information available.

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration Hazard** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Product Information

##### Acute (short-term) algae toxicity

**EC50** No information available

**EC0** No information available

**IC50**

> 100000 mg/l (72 h)	Skeletonema costatum
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**IC0** No information available

**ErC50** No information available

**EbC50** No information available

##### Acute (short-term) fish toxicity

**LC50** No information available

**LC0** No information available

**EC50** No information available

**EC0** No information available

##### Acute (short-term) aquatic invertebrate toxicity

**EC50**

> 200 mg/l (48 h)	Daphnia magna
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**EC0**

> 0.0001 mg/l (48 h)	Daphnia magna
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No information available

**Chronic (long-term) algae toxicity** No information available

**NOEC**

**LOEC**

##### Chronic (long-term) fish toxicity

**NOEC**

> 10000 mg/kg (672 h)	Oncorhynchus mykiss
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**LOEC** No information available

##### Chronic (long-term) aquatic invertebrate toxicity

NOEC	No information available
LOEC	No information available

**12.2. Persistence and degradability**

Not readily biodegradable.

**Product Information**

Biodegradation	No information available
BOD	No information available
ThCO <sub>2</sub>	No information available
DOC	No information available

**12.3. Bioaccumulative potential****Product Information**

Bioaccumulation (factor)	No information available
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**12.4. Mobility in soil**

After release, adsorbs onto soil.

**12.5. Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bio-accumulating (vPvB).

**12.6. Other adverse effects**

No information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****ADR**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated

14.3. Transport hazard class(es)	Not regulated
Labels	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
Classification code	-
Tunnel restriction code	-
Limited quantity (LQ)	-
ADR Hazard Id (Kemmler Number)	-
Note:	-

**RID**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Labels	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
Classification code	-
Limited quantity (LQ) Note:	-

**IMDG**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	14.4. Packing group
Description	Not regulated
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
EmS-No	-
Limited quantity (LQ)	-
Note:	-
14.7. Transport in bulk according to Annex II of IBC Code	No information available <b>MARPOL73/78 and the</b>

**IATA**

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
ERG Code	-
Limited quantity (LQ)	-
Note:	-



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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National Regulations**

See section 8 for national exposure control parameters

**Germany**

**Storage class** 10

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**International Inventories**

**All of the components in the product are on the following Inventory lists:** TSCA (United States), Europe (EINECS/ELINCS/NLP), Canada (DSL/NDSL), Australia (AICS), South Korea (KECL), China (IECSC), ENCS (Japan), Philippines (PICCS).

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information**

**Revision note** See the red text with asterisks in this safety data sheet for the latest changes.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**