

# Safety Data Sheet



## Water repellent Silicone oil 100

Issue date 19-May-2021

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Version 4.01

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

#### 1.1. Product Identifier

**Product name** Water repellent Silicone oil 100

**Pure substance/mixture** Substance

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

**Recommended Use** Cosmetic additive

**Uses advised against** No information available

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

**Nedform BV**  
Hofdwarsweg 20  
6161DD Geleen The Netherlands  
Tel +31 46410 6260

#### For further information, please contact

**Contact Point** R&D  
**E-mail address** info@nedform.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 1235 239670 (NCEC 24/7) For additional emergency telephone numbers see section 16 of the safety data sheet.

### SECTION 2: Hazards identification

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

Regulation (EC) No 1272/2008

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<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)

#### 2.2. Label Elements

**Product Identifier**

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**Signal Word**  
WARNING

**Hazard statements**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P337 + P313 - If eye irritation persists: Get medical advice/attention

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**2.3. Other Hazards**

No information available

Avoid generation of dust and aerosols. Aerosols of this product have a high potential for inhalative toxicity. Therefore, any exposure must be avoided while spraying the product and its mixtures. It is therefore strictly necessary to wear respiratory protection while spraying.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Chemical name	EC No	CAS No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Dimethyl, Methyl Aminoethylaminoisobutyl siloxane, methoxy & hydroxy terminated.***	-	831241-93-1	No data available	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	>=95
Octamethylcyclotetrasiloxane	209-136-7	556-67-2	No data available	Flam. Liq. 3 (H226) Repr. 2 (H361f) Aquatic Chronic 4 (H413)	0.1-1
Dodecamethylcyclohexasiloxane***	208-762-8	540-97-6	No data available	No data available	0.1-1
Decamethylcyclopentasiloxane***	208-764-9	541-02-6	No data available	No data available	0.1-1

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59) Octamethylcyclotetrasiloxane Decamethylcyclopentasiloxane Dodecamethylcyclohexasiloxane

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General advice**

If symptoms persist, call a doctor.

**Inhalation**

Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a doctor.

<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a doctor. Wash contaminated clothing before reuse.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a doctor.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

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

**Symptoms** Irritating to skin. Causes serious eye irritation.

#### **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**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water Harmful to aquatic life with long lasting effects

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

#### **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**

Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray.

##### **For emergency responders**

Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 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** Use personal protective equipment as required. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

### **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. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe gas/fumes/vapour/spray. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid contact with skin, eyes or clothing.

#### **General hygiene considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

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

#### **Storage Conditions**

Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers.

### **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

**Predicted No Effect Concentration (PNEC)** No information available

### **8.2. Exposure controls**

<b>Engineering controls</b>	Eyewash stations.
<b>Personal Protective Equipment</b>	
<b>Eye/face Protection</b>	Tight sealing safety goggles.
<b>Hand protection</b>	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.
<b>Skin and Body Protection</b>	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.
<b>Respiratory protection</b>	None under normal use conditions.
<b>Environmental exposure controls</b>	Do not allow into any sewer, on the ground or into any body of water.

## 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>	characteristic
<b>Colour</b>	Colourless - light yellow	<b>Odour threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>		No information available	
<b>Melting point/freezing point</b>		No information available	
<b>Boiling point / boiling range</b>		No information available	
<b>Flash Point</b>	> 100 °C / > 212 °F		
<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	
<b>Vapour Density</b>		No information available	
<b>Specific gravity</b>	No data available	@ 20° C	
	approx. 0.972 g/cm <sup>3</sup>	@ 25°C	
<b>Water solubility</b>	No data available	@ 20° C	
<b>Solubility(ies)</b>		No information available	
<b>Partition coefficient</b>		No information available	
<b>Autoignition Temperature</b>		No information available	
<b>Decomposition temperature</b>		No information available	
<b>Kinematic viscosity</b>	No data available	@ 40 °C	
<b>Dynamic viscosity</b>	No data available	@ 40 °C	
	approx. 4000 mPa s	@ 25°C	
<b>Explosive properties</b>	No information available		
<b>Oxidising properties</b>	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. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Silicon dioxide. 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.

**Unknown acute toxicity** 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	No information available
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	No information available
EC0	No information available

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

NOEC	No information available
LOEC	No information available

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

NOEC	No information available
LOEC	No information available

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

NOEC	No information available
LOEC	No information available

### 12.2. Persistence and degradability

#### Product Information

Biodegradation	No information available
BOD	No information available
ThCO2	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**

No information available.

**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
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**13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	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.
<b>OTHER INFORMATION</b>	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information
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**ADR**

<b>14.1. UN number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
Labels	-
<b>14.4. Packing group</b>	Not regulated
Description	-
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	None
Classification code	-
Tunnel restriction code	-
Limited quantity (LQ)	-
ADR Hazard Id (Kemmler Number)	-
Note:	-

**RID**

<b>14.1. UN number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
Labels	-
<b>14.4. Packing group</b>	Not regulated
Description	-
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	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 Not regulated  
 Description -  
 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 MARPOL73/78 and the IBC Code No information available

**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: -

SECTION 15: Regulatory information
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**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 contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59) Octamethylcyclotetrasiloxane Decamethylcyclopentasiloxane Dodecamethylcyclohexasiloxane

**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), ENCS (Japan), Australia (AICS), South Korea (KECL), NECI - Taiwan National Existing Chemical Inventory.

**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.

**SECTION 16: Other information****Full text of H-Statements referred to under sections 2 and 3**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

**Emergency telephone number**

Czech Republic	+420 228 882 830 (NCEC 24/7)
Denmark	+45 8988 2286 (NCEC 24/7)
Finland	+358 9 7479 0199 (NCEC 24/7)
France	+33 1 72 11 00 03 (NCEC 24/7)
Germany	+49 89 220 61012 (NCEC 24/7)
Greece	+30 21 1198 3182 (NCEC 24/7)
Italy	+39 02 3604 2884 (NCEC 24/7)
Netherlands	+31 10 713 8195 (NCEC 24/7)
Norway	+47 2103 4452 (NCEC 24/7)
Poland	+48 22 307 3690 (NCEC 24/7)
Portugal	+351 30880 4750 (NCEC 24/7)
Spain	+34 91 114 2520 (NCEC 24/7)
Sweden	+46 8 566 42573 (NCEC 24/7)
Turkey	+90 212 375 5231 (NCEC 24/7)
Middle East	+973 1619 8321 (NCEC 24/7)
Middle East / Africa	+44 1235 239671 (NCEC 24/7)

**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**