



Trade name: Siliclone S-50 A

Substance number: N0509

Version: 1 / US

Replaces Version: - / US

Date revised: 15.05.2025

Print date: 15.05.2025

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

### 1.1. Product identifier

Siliclone S-50 A

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

#### Use of the substance/preparation

Addition curing ear impression silicone

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

#### Address/Manufacturer

Dreve Otoplastik GmbH

Max-Planck-Straße 31

DE-59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided by / telephone Department Research & Development: Fax: +49 2303 8807-562

E-mail address of person responsible sicherheitsdatenblatt@dreve.com

for this SDS

### 1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

## SECTION 2: Hazards identification

### 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Addition-vulcanising 2-component silicone

#### Hazardous ingredients according to OSHA Hazard Communication Standard 29 CFR 1910:1200

##### White mineral oil

CAS No. 8042-47-5

Concentration  $\geq$  1 < 10 %

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Concentration  $\geq$  1 < 10 %

##### Cristobalite

CAS No. 14464-46-1



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Concentration >= 10 < 25 %

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No special measures required

#### After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

#### After ingestion

Do NOT induce vomiting. Summon a doctor immediately.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

#### Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist, Extinguishing measures to suit surroundings

#### Non suitable extinguishing media

Full water jet

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

In case of combustion evolution of dangerous gases possible.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

## SECTION 6: Accidental release measures



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

Avoid contact with skin, eyes and clothing.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways.

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

Pick up mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Observe the usual precautions for handling chemicals. For personal protection see Section 8.

#### Advice on protection against fire and explosion

No special measures required.

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

#### Requirements for storage rooms and vessels

Store product in closed containers.

#### Hints on storage assembly

Do not store together with foodstuffs.

#### Further information on storage conditions

Keep container tightly closed and dry.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

List	TRGS 900	
Type	AGW	
Value	300	mg/m <sup>3</sup>
Short term exposure limit	600	mg/m <sup>3</sup>

#### Other information

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Do not eat, drink or smoke during work time.

Wash hands before breaks and after work. Avoid contact with eyes.

#### Respiratory protection

Not necessary.



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**Hand protection**

Not necessary.

**Eye protection**

Not necessary.

**Body protection**

Clothing as usual in the chemical industry.

**SECTION 9: Physical and chemical properties**

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

<b>Form</b>	liquid, viscous		
<b>Colour</b>	white		
<b>Odour</b>	characteristic		
<b>Odour threshold</b>			
Remarks	not determined		
<b>pH value</b>			
Remarks	not determined		
<b>Melting point</b>			
Remarks	not determined		
<b>Freezing point</b>			
Remarks	not determined		
<b>Initial boiling point and boiling range</b>			
Value	> 300		°C
<b>Flash point</b>			
Value	> 130		°C
Method	closed cup		
<b>Evaporation rate (ether = 1) :</b>			
Remarks	not determined		
<b>Flammability (solid, gas)</b>			
not determined			
<b>Upper/lower flammability or explosive limits</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Vapour density</b>			
Remarks	not determined		
<b>Density</b>			
Value	appr. 1,3		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Solubility in water</b>			
Remarks	virtually insoluble		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient: n-octanol/water</b>			



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Remarks not determined

**Auto-ignition temperature**

Remarks not determined

**Decomposition temperature**

Remarks not determined

**Viscosity**

Remarks not determined

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**9.2. Other information**

**Other information**

None known

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**Decomposition temperature**

Remarks not determined

**10.5. Incompatible materials**

None known

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute oral toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute oral toxicity (Components)**

**White mineral oil**

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species	rat		
LD50	>	5000	mg/kg



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Method OECD 401  
Remarks Test conducted with a similar formulation.

**Acute dermal toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute dermal toxicity (Components)**

**White mineral oil**

Species rabbit  
LD50 > 2000 mg/kg  
Method OECD 402

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species rabbit  
LD50 > 3160 mg/kg  
Method OECD 402

**Acute inhalational toxicity**

Remarks Based on available data, the classification criteria are not met.

**Acute inhalative toxicity (Components)**

**White mineral oil**

Species rat  
LC50 > 5,2 mg/l  
Duration of exposure 4 h  
Administration/Form Dust/Mist  
Method OECD 403

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species rat  
LC50 > 5266 mg/m<sup>3</sup>  
Duration of exposure 4 h  
Administration/Form Dust/Mist  
Method OECD 403

**Skin corrosion/irritation**

Remarks Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Remarks Based on available data, the classification criteria are not met.

**Sensitization**

Remarks Based on available data, the classification criteria are not met.

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

Remarks Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Remarks Based on available data, the classification criteria are not met.

**Carcinogenicity**

Remarks Based on available data, the classification criteria are not met.

**National Toxicology Program (NTP)**

No component of this product present at levels greater than or equal to 0,1% is identified as a known or reasonably anticipated to be human carcinogen by NTP

**International Agency for research on Cancer (IARC)**

Components of this product, which are identified as known or reasonably anticipated to be human carcinogen by IARC, contained greater than or equal to 0,1 %: Talc Quartz



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### Specific Target Organ Toxicity (STOT)

#### Single exposure

Remarks Based on available data, the classification criteria are not met.

#### Repeated exposure

Remarks Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) (Components)

#### Cristobalite

##### Repeated exposure

evaluation Causes damage to organs through prolonged or repeated exposure  
Route of exposure inhalative

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Other information

No toxicological data are available.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### General information

not determined

#### Fish toxicity (Components)

##### White mineral oil

Species	golden orfe ( <i>Leuciscus idus</i> )		
LC50	>	10000	mg/l
Duration of exposure	96	h	
Method	OECD 203		

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
NOELR	>	1000	mg/l
Duration of exposure	28	d	
Remarks	The details of the toxic effect relate to the nominal concentration.		

#### Daphnia toxicity (Components)

##### White mineral oil

Species	Daphnia magna		
LL50	>	100	mg/l
Duration of exposure	48	h	
Method	OECD 202		

##### White mineral oil

Species	Daphnia magna		
NOEL	>=	1000	mg/l
Duration of exposure	21	d	
Method	OECD 211		

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	Acartia tonsa		
LL50	>	3193	mg/l
Duration of exposure	48	h	
Remarks	The details of the toxic effect relate to the nominal concentration.		

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	Daphnia magna		
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NOELR	5	mg/l
Duration of exposure	21 d	
Remarks	The details of the toxic effect relate to the nominal concentration.	

### Algae toxicity (Components)

#### White mineral oil

Species	Pseudokirchneriella subcapitata	
LOEC	>= 100	mg/l
Duration of exposure	72 h	
Method	OECD 201	

#### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	Skeletonema costatum	
EL50	> 3200	mg/l
Duration of exposure	72 h	
Remarks	The details of the toxic effect relate to the nominal concentration.	

### Bacteria toxicity (Components)

#### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	activated sludge	
EC50	> 100	mg/l
Duration of exposure	3 h	
Method	OECD 209	

## 12.2. Persistence and degradability

### General information

not determined

### Biodegradability (Components)

#### White mineral oil

Value	31	%
Duration of test	28 d	
evaluation	Moderately/partially biodegradable	
Method	OECD 301 F	

#### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Value	74	%
Duration of test	28 d	
evaluation	Readily biodegradable (according to OECD criteria)	

## 12.3. Bioaccumulative potential

### General information

not determined

### Partition coefficient: n-octanol/water

Remarks not determined

### Octanol/water partition coefficient (log Pow) (Components)

#### White mineral oil

log Pow	4,3	to	18,02
Temperature	20	°C	
Source	ECHA		

#### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

log Pow	5,22	to	9,67
Temperature	20	°C	

## 12.4. Mobility in soil

### General information



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not determined

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

**General information**

not determined

**Evaluation of persistence and bioaccumulation potential**

The product contains no PBT substances  
The product contains no vPvB substances.

**12.6. Other adverse effects**

**General information**

not determined

**General information / ecology**

Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations for the product**

Must not be disposed together with household garbage.  
Dispose of waste according to applicable legislation.

**Disposal recommendations for packaging**

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

**SECTION 14: Transport information**

	Ground transport DOT	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance**



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## or mixture

### Other information

All components are contained in the TSCA inventory or exempted.

### **US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355)**

The product does not contain any listed components.

### **US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

The product does not contain any listed components.

### **California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Components:

Quartz

, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.