



Trade name: Siliform Comp. A

Substance number: 18401

Version: 2 / GB

Date revised: 29.09.2025

Replaces Version: 1 / GB

Print date: 29.09.2025

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

### 1.1. Product identifier

Siliform Comp. A

This substance/mixture contains components in nanoform

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

#### Use of the substance/preparation

Addition-vulcanising silicone material for the embedding into the denture pouring technique

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

#### Address/Manufacturer

Dreve Dentamid 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 &amp; 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

### 2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Supplemental information

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients



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### 3.2. Mixtures

#### Chemical characterization

Addition-vulcanising 2-component silicone

#### Hazardous ingredients

##### Cristobalite

CAS No.	14464-46-1			
EINECS no.	238-455-4			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)	STOT RE 1		H372	

##### White mineral oil

CAS No.	8042-47-5			
EINECS no.	232-455-8			
Registration no.	01-2119487078-27			
Concentration	>= 10	<	25	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

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

EINECS no.	920-114-2			
Registration no.	01-2119459347-30			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

#### Further ingredients

##### Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

CAS No.	68909-20-6			
EINECS no.	272-697-1			
Registration no.	01-2119379499-16			
Concentration	>= 1	<	10	%
Advice: [7]				
Classification (Regulation (EC) No. 1272/2008)	STOT RE 2		H373	

Name of set of nanoform	Nanoagglomerate		
Particle size distribution	d50 60-300	nm	
	Method	Transmission Electron Microscopy (TEM)	
Shape and aspect ratio of particles	amorphous		
Particle size distribution	Nano particles d50 6-50	nm	
	Method	Transmission Electron Microscopy (TEM)	
Shape and aspect ratio of particles	amorphous		
40 to 350	m <sup>2</sup> /g		

##### Aluminium oxide

CAS No.	1344-28-1			
EINECS no.	215-691-6			
Registration no.	01-2119529248-35			
Concentration		<	1	%
Advice: [7]				

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Name of set of nanoform	Nanoagglomerate
Particle size distribution	D(v, 2-100 nm 0.5)
Shape and aspect ratio of particles	Method Transmission Electron Microscopy (TEM) Spheroidal
Shape and aspect ratio of particles	Nanoagglomerate crystalline

**Note**

[7] Nanoforms

## 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 - aspiration hazard. 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.

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### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

#### Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 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>



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Short term exposure limit 600 mg/m<sup>3</sup>**Other information**

Contains no substances with occupational exposure limit values.

**Derived No/Minimal Effect Levels (DNEL/DMEL)****White mineral oil**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	164,6	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	217,1	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	34,78	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	93,02	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	25	mg/kg/d

**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.

**Hand protection**

Not necessary.

**Eye protection**

Not necessary.

**Body protection**

Clothing as usual in the chemical industry.



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## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	liquid		
<b>Colour</b>	white		
<b>Odour</b>	characteristic		
<b>Melting point</b>			
Remarks	not determined		
<b>Freezing point</b>			
Remarks	not determined		
<b>Boiling point or initial boiling point and boiling range</b>			
Value	> 300		°C
<b>Flammability</b>			
evaluation	not determined		
<b>Upper and lower explosive limits</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	> 130		°C
Method	closed cup		
<b>Auto-ignition temperature</b>			
Remarks	not determined		
<b>Decomposition temperature</b>			
Remarks	not determined		
<b>pH value</b>			
Remarks	not determined		
<b>Viscosity</b>			
Remarks	not determined		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient n-octanol/water (log value)</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Density and/or relative density</b>			
Value	1,2		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Relative vapour density</b>			
Remarks	not determined		
<b>9.2. Other information</b>			
<b>Odour threshold</b>			
Remarks	not determined		
<b>Evaporation rate (ether = 1) :</b>			
Remarks	not determined		

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**Solubility in water**

Remarks virtually insoluble

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**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.

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****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
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**



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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.

**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.



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**Aspiration hazard (Components)****White mineral oil**

Harmful: may cause lung damage if swallowed.

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

Harmful: may cause lung damage if swallowed.

**11.2. Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**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		
NOELR		5	mg/l
Duration of exposure	21	d	



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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 evaluation	28	d
Method	Moderately/partially biodegradable OECD 301 F	

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

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

**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient n-octanol/water (log value)**

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**

not determined

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



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**General information**

not determined

**Results of PBT and vPvB assessment**

The product contains no PBT substances

The product contains no vPvB substances.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information**

not determined

**General information / ecology**

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

**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**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number or ID number</b>	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.
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>		-	-
Label			
<b>14.4. Packing group</b>		-	-

**SECTION 15: Regulatory information**



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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other information

All components are contained in the TSCA inventory or exempted.

### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

#### Hazard statements listed in Chapter 2/3

H304

May be fatal if swallowed and enters airways.

H372

Causes damage to organs through prolonged or repeated exposure.

#### CLP categories listed in Chapter 2/3

Asp. Tox. 1

Aspiration hazard, Category 1

STOT RE 1

Specific target organ toxicity - repeated exposure, Category 1

#### 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.



Trade name: Siliform Comp. B

Substance number: 18402

Version: 2 / GB

Date revised: 29.09.2025

Replaces Version: 1 / GB

Print date: 29.09.2025

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

### 1.1. Product identifier

Siliform Comp. B

This substance/mixture contains components in nanoform

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

#### Use of the substance/preparation

Addition-vulcanising silicone material for the embedding into the denture pouring technique

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

#### Address/Manufacturer

Dreve Dentamid 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 &amp; 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

### 2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Supplemental information

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients



Trade name: Siliform Comp. B

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### 3.2. Mixtures

#### Chemical characterization

Addition-vulcanising 2-component silicone

#### Hazardous ingredients

##### Cristobalite

CAS No.	14464-46-1			
EINECS no.	238-455-4			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)	STOT RE 1		H372	

##### White mineral oil

CAS No.	8042-47-5			
EINECS no.	232-455-8			
Registration no.	01-2119487078-27			
Concentration	>= 10	<	25	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

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

EINECS no.	920-114-2			
Registration no.	01-2119459347-30			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

#### Further ingredients

##### Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

CAS No.	68909-20-6			
EINECS no.	272-697-1			
Registration no.	01-2119379499-16			
Concentration	>= 1	<	10	%
Advice: [7]				
Classification (Regulation (EC) No. 1272/2008)	STOT RE 2		H373	

Name of set of nanoform	Nanoagglomerate		
Particle size distribution	d50 60-300	nm	
	Method	Transmission Electron Microscopy (TEM)	
Shape and aspect ratio of particles	amorphous		
Particle size distribution	Nano particles d50 6-50	nm	
	Method	Transmission Electron Microscopy (TEM)	
Shape and aspect ratio of particles	amorphous		
40 to 350	m <sup>2</sup> /g		

##### Aluminium oxide

CAS No.	1344-28-1			
EINECS no.	215-691-6			
Registration no.	01-2119529248-35			
Concentration		<	1	%
Advice: [7]				

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Name of set of nanoform	Nanoagglomerate
Particle size distribution	D(v, 2-100 nm 0.5)
Shape and aspect ratio of particles	Method Transmission Electron Microscopy (TEM) Spheroidal
Shape and aspect ratio of particles	Nanoagglomerate crystalline

**Note**

[7] Nanoforms

## 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 - aspiration hazard. 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.



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### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

#### Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 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>



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Short term exposure limit 600 mg/m<sup>3</sup>**Other information**

Contains no substances with occupational exposure limit values.

**Derived No/Minimal Effect Levels (DNEL/DMEL)****White mineral oil**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	164,6	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	217,1	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	34,78	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	93,02	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	25	mg/kg/d

**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.

**Hand protection**

Not necessary.

**Eye protection**

Not necessary.

**Body protection**

Clothing as usual in the chemical industry.

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## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	liquid		
<b>Colour</b>	yellowish		
<b>Odour</b>	characteristic		
<b>Melting point</b>			
Remarks	not determined		
<b>Freezing point</b>			
Remarks	not determined		
<b>Boiling point or initial boiling point and boiling range</b>			
Value	> 300		°C
<b>Flammability</b>			
evaluation	not determined		
<b>Upper and lower explosive limits</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	> 130		°C
Method	closed cup		
<b>Auto-ignition temperature</b>			
Remarks	not determined		
<b>Decomposition temperature</b>			
Remarks	not determined		
<b>pH value</b>			
Remarks	not determined		
<b>Viscosity</b>			
Remarks	not determined		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient n-octanol/water (log value)</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Density and/or relative density</b>			
Value	1,2		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Relative vapour density</b>			
Remarks	not determined		

### 9.2. Other information

<b>Odour threshold</b>			
Remarks	not determined		
<b>Evaporation rate (ether = 1) :</b>			
Remarks	not determined		



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**Solubility in water**

Remarks virtually insoluble

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**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.

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****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
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**



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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.

**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**

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



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**Aspiration hazard (Components)****White mineral oil**

Harmful: may cause lung damage if swallowed.

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

Harmful: may cause lung damage if swallowed.

**11.2. Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**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		
NOELR		5	mg/l
Duration of exposure		21	d



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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 evaluation	28	d
Method	Moderately/partially biodegradable OECD 301 F	

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

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

**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient n-octanol/water (log value)**

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**

not determined

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



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**General information**

not determined

**Results of PBT and vPvB assessment**

The product contains no PBT substances

The product contains no vPvB substances.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information**

not determined

**General information / ecology**

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

**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**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number or ID number</b>	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.
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>		-	-
Label			
<b>14.4. Packing group</b>		-	-

**SECTION 15: Regulatory information**



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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other information

All components are contained in the TSCA inventory or exempted.

### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

#### Hazard statements listed in Chapter 2/3

H304

May be fatal if swallowed and enters airways.

H372

Causes damage to organs through prolonged or repeated exposure.

#### CLP categories listed in Chapter 2/3

Asp. Tox. 1

Aspiration hazard, Category 1

STOT RE 1

Specific target organ toxicity - repeated exposure, Category 1

#### 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.