



Trade name: Dublisil 15 Comp. A

Substance number: 23101

Version: 3 / GB

Date revised: 29.09.2025

Replaces Version: 2 / GB

Print date: 29.09.2025

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

1.1. Product identifier

Dublisil 15 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 duplication silicone for the dental duplication 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 & 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: Dublisil 15 Comp. A

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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	>= 1	<	10	%
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		
	Nano particles		
Particle size distribution	d50 6-50	nm	
	Method	Transmission Electron Microscopy (TEM)	
Shape and aspect ratio of particles	amorphous		
40 to 350	m ² /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

Remove contaminated, soaked clothing immediately and dispose of safely. In all cases of doubt, or when symptoms persist, seek medical attention.

After inhalation

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

After skin contact

Wash skin thoroughly with soap and water or use recognised skin cleanser. 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. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

Non suitable extinguishing media

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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.

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**

Keep container tightly closed. No special measures necessary if stored and handled as prescribed.

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**



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

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

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 ³
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 ³
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.



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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**

Physical state	liquid	
Colour	white	
Odour	characteristic	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Boiling point or initial boiling point and boiling range		
Value	> 300	°C
Flammability		
evaluation	not determined	
Upper and lower explosive limits		
Remarks	not determined	
Flash point		
Value	130	°C
Method	closed cup	
Auto-ignition temperature		
Remarks	not determined	
Decomposition temperature		
Remarks	not determined	
pH value		
Remarks	not determined	
Viscosity		
Remarks	not determined	
Solubility(ies)		
Remarks	not determined	
Partition coefficient n-octanol/water (log value)		
Remarks	not determined	
Vapour pressure		
Remarks	not determined	
Density and/or relative density		
Value	1,25	g/cm ³
Relative vapour density		
Remarks	not determined	

9.2. Other information**Odour threshold**



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Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks virtually insoluble

Explosive properties

evaluation no

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

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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 ³
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



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Route of exposure inhalative

Aspiration hazard

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

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

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Species	Daphnia magna	
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 (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



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General information

not determined

12.5. Results of PBT and vPvB assessment**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.

Do not allow to enter drains or water courses.

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 ***
14.1. UN number or ID 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		-	-

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SECTION 15: Regulatory information

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: Dublisil 15 Comp. B

Substance number: 23102

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

Dublisil 15 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 duplication silicone for the dental duplication 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 & 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: Dublisil 15 Comp. B

Substance number: 23102

Version: 2 / GB

Date revised: 29.09.2025

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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	>= 1	<	10	%
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	
Shape and aspect ratio of particles	Method	Transmission Electron Microscopy (TEM)	
	amorphous		
Particle size distribution	Nano particles		
	d50 6-50	nm	
Shape and aspect ratio of particles	Method	Transmission Electron Microscopy (TEM)	
	amorphous		
40 to 350	m ² /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, CO₂, 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 ³



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Short term exposure limit 600 mg/m³**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 ³

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 ³

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

Physical state	liquid		
Colour	green		
Odour	characteristic		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Boiling point or initial boiling point and boiling range			
Value	300		°C
Flammability			
evaluation	not determined		
Upper and lower explosive limits			
Remarks	not determined		
Flash point			
Value	130		°C
Method	closed cup		
Auto-ignition temperature			
Remarks	not determined		
Decomposition temperature			
Remarks	not determined		
pH value			
Remarks	not determined		
Viscosity			
kinematic			
Value	> 100		mm ² /s
Temperature	40	°C	
Solubility(ies)			
Remarks	not determined		
Partition coefficient n-octanol/water (log value)			
Remarks	not determined		
Vapour pressure			
Remarks	not determined		
Density and/or relative density			
Value	appr. 1,26		g/cm ³
Temperature	20	°C	
Relative vapour density			
Remarks	not determined		
9.2. Other information			
Odour threshold			
Remarks	not determined		



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Evaporation rate (ether = 1) :

Remarks not determined

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.



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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.
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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 ³
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.
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Serious eye damage/irritation

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

Remarks	Based on available data, the classification criteria are not met.
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Subacute, subchronic, chronic toxicity

Remarks	not determined
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Mutagenicity

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

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

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT) *****Single exposure**

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

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT) (Components)**Cristobalite****Repeated exposure**

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

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

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		
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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 (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**



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not determined

12.5. Results of PBT and vPvB assessment**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 ***
14.1. UN number or ID 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		-	-



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SECTION 15: Regulatory information

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.