

Trade name: Plastiform F30 Visual Comp. A

Substance number: F28701

Version: 2 / GB

Date revised: 04.12.2024

Replaces Version: 1 / GB

Print date: 04.12.2024

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

1.1. Product identifier

Plastiform F30 Visual Comp. A

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

Use of the substance/preparation

Dimensional control by impression

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

RIVELEC

Parc D'Activité Charles Martel-Larzat 202, Rue Gustave Courbet

34750 VILLENEUVE LES MAGUELONE

Telephone no. +33 (0)1 30 95 45 45

Fax no. +33 (0)1 30 95 77 77

Information provided RIVELEC Département Recherche & Développement Tel.: +33 (0)1 30 95 45 45
by / telephone

E-mail address of infos@plastiform.info

person responsible
for this SDS

1.4. Emergency telephone number

Australia : Poisons Information Centre - Phone number : 131126

Canada : American Association of Poison Control Centers - Phone number : 1-800-222-1222

India : Poison Control Centre - Phone number : +91 98 952 82 388

Japan : Osaka Information Service branch - Phone number : +81 (0)72 727 2499

New Zealand : New Zealand National Poisons Centre - Phone number : 800764766

South Africa : Tygerberg Poison Information Centre - Phone number : +27 (0)861 555 777

United Kingdom : National Poisons Information Service - Phone number : 8448920111

United States Of America : American Association of Poison Control Centers - Phone number : 1-800-222-1222

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

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

SECTION 3: Composition/information on ingredients

Chemical characterization

Addition-vulcanising 2-component silicone

Hazardous ingredients

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		

See additional information in section 16

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		

See additional information in section 16

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

CAS No.	68909-20-6				
EINECS no.	272-697-1				
Registration no.	01-2119379499-16				
Concentration	>= 10	<	25		%
Classification (Regulation (EC) No. 1272/2008)	STOT RE 2		H373		

See additional information in section 16

Name of set of nanoform	Nanoagglomerate
Particle size distribution	d50 100-750 nm
Shape and aspect ratio of particles	amorphous
40 to 350	m ² /g

	Nanoaggregate
Particle size distribution	d50 60-300 nm
Shape and aspect ratio of particles	Method Transmission Electron Microscopy (TEM)
40 to 350	m ² /g

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures required

After inhalation

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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.

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.

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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
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)

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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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid, viscous	
Colour	colourless, clear	
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		

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Remarks not determined

Flash point

Value > 110 °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 densityValue 1,03 g/cm³**Relative vapour density**

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks not determined

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

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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.	

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

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**

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	

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	rabbit	
LD50	> 5000	mg/kg
Source	Analogous	

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)**White mineral oil**

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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			

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

Species	rat			
LC50	>	5,01		mg/l
Duration of exposure		4	h	
Administration/Form	Dust/Mist			
Source	Analogous			

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.

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

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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.		

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	zebra fish (<i>Brachydanio rerio</i>)		
LC50	>	10000	mg/l
Duration of exposure	96	h	
Source	Analogous		

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	
Remarks	The details of the toxic effect relate to the nominal concentration.		

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	Daphnia magna		
EC50	>	1000	mg/l
Duration of exposure	48	h	
Source	Analogous		

Algae toxicity (Components)

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White mineral oil

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

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

Species	Desmodesmus subspicatus	
EC50	> 173	mg/l
Duration of exposure	72 h	
Source	Analogous	

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

Species	activated sludge	
EC50	> 2500	mg/l
Duration of exposure	3 h	
Method	OECD 209	
Source	Analogous	

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	

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

Remarks Inorganic product, cannot be eliminated from the water by biological purification processes.

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**

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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**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

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	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		-	-

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.

H373

May cause damage to organs through prolonged or repeated exposure.

CLP categories listed in Chapter 2/3

Asp. Tox. 1

Aspiration hazard, Category 1

STOT RE 2

Specific target organ toxicity - repeated exposure, Category 2

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.

In accordance with legal regulations (REACH), hazardous substances contained in our products must be mentioned in section 3 or section 8. However, these substances only present a potential hazard in their original form, e.g. cristobalite, which can be inhaled.

Embedded in a silicone matrix, these substances are not longer powdery, liquid, etc and do not present a hazard in the sense of their original classification. Our silicone products are therefore not classified as hazardous substances.

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

1.1. Product identifier

Plastiform F30 Visual Comp. B

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

Use of the substance/preparation

Dimensional control by impression

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

RIVELEC

Parc D'Activité Charles Martel-Larzat 202, Rue Gustave Courbet

34750 VILLENEUVE LES MAGUELONE

Telephone no. +33 (0)1 30 95 45 45

Fax no. +33 (0)1 30 95 77 77

Information provided by / telephone RIVELEC Département Recherche & Développement Tel.: +33 (0)1 30 95 45 45

E-mail address of person responsible infos@plastiform.info

for this SDS

1.4. Emergency telephone number

Australia : Poisons Information Centre - Phone number : 131126

Canada : American Association of Poison Control Centers - Phone number : 1-800-222-1222

India : Poison Control Centre - Phone number : +91 98 952 82 388

Japan : Osaka Information Service branch - Phone number : +81 (0)72 727 2499

New Zealand : New Zealand National Poisons Centre - Phone number : 800764766

South Africa : Tygerberg Poison Information Centre - Phone number : +27 (0)861 555 777

United Kingdom : National Poisons Information Service - Phone number : 8448920111

United States Of America : American Association of Poison Control Centers - Phone number : 1-800-222-1222

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

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

SECTION 3: Composition/information on ingredients

Chemical characterization

Addition-vulcanising 2-component silicone

Hazardous ingredients

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

CAS No. 68909-20-6

EINECS no. 272-697-1

Registration no. 01-2119379499-16

Concentration ≥ 10 < 25 %Classification (Regulation (EC) No. 1272/2008)
STOT RE 2 H373

See additional
information in
section 16

Name of set of nanoform Nanoagglomerate
Particle size distribution d50 100-750 nm
Shape and aspect ratio of particles
40 to 350 m²/g

Particle size distribution Nanoaggregate
d50 60-300 nm
Method Transmission Electron Microscopy (TEM)
Shape and aspect ratio of particles
40 to 350 m²/g

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

See additional
information in
section 16

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

See additional
information in
section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures required

After inhalation

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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.

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.

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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
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)	
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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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid, viscous	
Colour	black	
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		

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Remarks not determined

Flash point

Value > 110 °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 densityValue 1,03 g/cm³**Relative vapour density**

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks not determined

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

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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.	

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

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**

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	

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

Species	rabbit	
LD50	> 5000	mg/kg
Source	Analogous	

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)**White mineral oil**

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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		

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

Species	rat		
LC50	>	5,01	mg/l
Duration of exposure		4	h
Administration/Form	Dust/Mist		
Source	Analogous		

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.

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

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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.		

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	zebra fish (<i>Brachydanio rerio</i>)		
LC50	>	10000	mg/l
Duration of exposure	96	h	
Source	Analogous		

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	
Remarks	The details of the toxic effect relate to the nominal concentration.		

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	Daphnia magna		
EC50	>	1000	mg/l
Duration of exposure	48	h	
Source	Analogous		

Algae toxicity (Components)

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White mineral oil

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

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

Species	Desmodesmus subspicatus	
EC50	> 173	mg/l
Duration of exposure	72	h
Source	Analogous	

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

Species	activated sludge	
EC50	> 2500	mg/l
Duration of exposure	3	h
Method	OECD 209	
Source	Analogous	

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	

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

Remarks	Inorganic product, cannot be eliminated from the water by biological purification processes.
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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
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Octanol/water partition coefficient (log Pow) (Components)**White mineral oil**

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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**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

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	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		-	-

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.

H373

May cause damage to organs through prolonged or repeated exposure.

CLP categories listed in Chapter 2/3

Asp. Tox. 1

Aspiration hazard, Category 1

STOT RE 2

Specific target organ toxicity - repeated exposure, Category 2

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.

In accordance with legal regulations (REACH), hazardous substances contained in our products must be mentioned in section 3 or section 8. However, these substances only present a potential hazard in their original form, e.g. cristobalite, which can be inhaled.

Embedded in a silicone matrix, these substances are not longer powdery, liquid, etc and do not present a hazard in the sense of their original classification. Our silicone products are therefore not classified as hazardous substances.