

Ramsauer GmbH & Co KG  
5350 Strobl / Wolfgangsee

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

### 1.1 Product identifier

**Multiflex 131**

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

#### 1.2.1 Relevant uses

Silicon

#### 1.2.2 Uses advised against

None known.

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

#### Company

Ramsauer GmbH & Co KG  
Alte Bundesstraße 147  
5350 Strobl / Wolfgangsee / AUSTRIA  
Phone +43 (0)6135 8205 0  
Fax +43 (0)6135 8205-250  
Homepage [www.ramsauer.eu](http://www.ramsauer.eu)  
E-mail [office@ramsauer.eu](mailto:office@ramsauer.eu)

#### Address enquiries to

#### Technical information

[office@ramsauer.eu](mailto:office@ramsauer.eu)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de) (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

### 1.4 Emergency telephone number

#### Advisory body

+43 (0) 1 406 43 43 (24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms

none

#### Signal word

none

#### Hazard statements

none

#### Precautionary statements

none

#### Special labelling

EUH210 Safety data sheet available on request.

Contains: 3-Aminopropyltriethoxysilane, Trimethoxyvinylsilane. EUH208 May produce an allergic reaction.

### 2.3 Other hazards

#### Human health dangers

Frequent persistent contact with the skin can cause skin irritation.  
Contact with moisture liberates Methanol and Ethanol.

#### Environmental hazards

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).  
Contains no ingredients with endocrine-disrupting properties.

#### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
1 - <10	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics
	CAS: 1335203-17-2, EINECS/ELINCS: 934-956-3, Reg-No.: 01-2119827000-58-XXXX
	GHS/CLP: Asp. Tox. 1: H304
1 - <5	Trimethoxyvinylsilane
	CAS: 2768-02-7, EINECS/ELINCS: 220-449-8, EU-INDEX: 014-049-00-0, Reg-No.: 01-2119513215-52-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H332 - Skin Sens. 1B: H317
0.1 - <1	3-Aminopropyltriethoxysilane
	CAS: 919-30-2, EINECS/ELINCS: 213-048-4, EU-INDEX: 612-108-00-0, Reg-No.: 01-2119480479-24-XXXX
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Skin Sens. 1: H317 - Eye Dam. 1: H318
0.1 - <1	Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance)
	CAS: 541-02-6, EINECS/ELINCS: 208-764-9, Reg-No.: 01-2119511367-43-XXXX

Comment on component parts

For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Take off contaminated clothing and wash before reuse.

#### Inhalation

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

#### Skin contact

When in contact with the skin, clean with soap and water.  
Consult a doctor if skin irritation persists.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Ingestion

Seek medical advice immediately.  
Rinse out mouth and give plenty of water to drink.  
Do not induce vomiting.

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

Irritant effects  
Allergic reactions

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide.  
Dry powder.  
Foam.

#### Extinguishing media that must not be used

Full water jet.

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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Nitrogen oxides (NOx).

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

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## SECTION 6: Accidental release measures

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

Ensure adequate ventilation.  
High risk of slipping due to leakage/spillage of product.  
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically.  
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
No special measures necessary if used correctly.

Wash hands before breaks and after work.  
Use barrier skin cream.  
Take off contaminated clothing and wash before reuse.  
Do not eat or drink when working.

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

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Keep container tightly closed.  
Store in a dry place.  
Protect from heat/overheating.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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**SECTION 8: Exposure controls / personal protection**

**8.1 Control parameters**

**Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)**

Substance / EC LIMIT VALUES
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Eight hours: 200 ppm, 260 mg/m <sup>3</sup> , H

**DNEL**

Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
Industrial, dermal, Long-term - systemic effects, 2.91 mg/kg bw/day
Industrial, inhalative, Acute - systemic effects, 5002 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - systemic effects, 16.4 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 1.25 mg/kg bw/day
Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance), CAS: 541-02-6
Industrial, inhalative, Acute - systemic effects, 97.3 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - systemic effects, 97.3 mg/m <sup>3</sup>
Industrial, inhalative, Acute - local effects, 24.2 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - local effects, 24.2 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 5 mg/kg bw/d
general population, inhalative, Acute - systemic effects, 17.3 mg/m <sup>3</sup>
general population, inhalative, Long-term - systemic effects, 17.3 mg/m <sup>3</sup>
general population, inhalative, Acute - local effects, 4.3 mg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 4.3 mg/m <sup>3</sup>
general population, oral, Acute - systemic effects, 5 mg/kg bw/d
3-Aminopropyltriethoxysilane, CAS: 919-30-2
Industrial, inhalative, Long-term - systemic effects, 14 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 2 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 3.5 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 1 mg/kg bw/day
general population, oral, Long-term - systemic effects, 1 mg/kg bw/day
Trimethoxyvinylsilane, CAS: 2768-02-7
Industrial, inhalative, Long-term - systemic effects, 27.6 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 0.91 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 0.63 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0.63 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 6.8 mg/m <sup>3</sup>

**PNEC**

Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
There are no PNEC values established for the substance.
Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance), CAS: 541-02-6
freshwater, 0.0012 mg/l
seawater, 0.00012 mg/l
sediment (freshwater), 2.39 mg/kg dw
sediment (seawater), 0.239 mg/kg dw

sewage treatment plants (STP), > 10 mg/l

soil, 3.34 mg/kg dw

3-Aminopropyltriethoxysilane, CAS: 919-30-2

soil, 0.069 mg/kg soil dw

freshwater, 0.5 mg/L

seawater, 0.05 mg/L

sewage treatment plants (STP), 0.81 mg/L

sediment (freshwater), 1.8 mg/kg sediment dw

sediment (seawater), 0.18 mg/kg sediment dw

Trimethoxyvinylsilane, CAS: 2768-02-7

sediment (seawater), 0.15 mg/kg dw

sediment (freshwater), 1.5 mg/kg dw

freshwater, 400 µg/L

seawater, 40 µg/L

soil, 0.06 mg/kg dw

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. 0.45 mm Nitrile rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Not required under normal conditions.
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	solid
Form	pasty
Color	transluzent
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm <sup>3</sup> ]	ca. 1.02 (20 °C / 68,0 °F)
Relative density	not determined
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not determined
Kinematic viscosity	not relevant
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined
Particle characteristics	No information available.

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Vulcanises at room temperature on contact with moisture in the air.

### 10.2 Chemical stability

Stable at room temperature provided it is not on contact with air.

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4 Conditions to avoid

See SECTION 7.2.

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#### 10.5 Incompatible materials

Strong oxidizing agent.  
Water

#### 10.6 Hazardous decomposition products

Contact with moisture liberates Methanol and Ethanol.

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## SECTION 11: Toxicological information

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

#### Acute oral toxicity

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

Product
ATE-mix, oral, > 2000 mg/kg
Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
LD50, oral, Rat, > 5000 mg/kg bw
Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance), CAS: 541-02-6
LD50, oral, Rat, > 5000 mg/kg
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LD50, oral, Rat, 1.57 - 2.83 mL/kg bw
Trimethoxyvinylsilane, CAS: 2768-02-7
LD50, oral, Rat, 7120 mg/kg (OECD TG 401)
NOAEL, oral, Rat, < 62.5 mg/kg (28 d) (OECD TG 422)

#### Acute dermal toxicity

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

Product
ATE-mix, dermal, > 2000 mg/kg
Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
LD50, dermal, Rabbit, > 3160 mg/kg bw
Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance), CAS: 541-02-6
LD50, dermal, Rabbit, > 2000 mg/kg
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LD50, dermal, Rabbit, 4.29 mL/kg bw
Trimethoxyvinylsilane, CAS: 2768-02-7
LD50, dermal, Rabbit, 3259 mg/kg bw

#### Acute inhalational toxicity

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

Product
ATE-mix, inhalative, > 20 mg/l (4 h)
Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
LC50, inhalative, Rat, >5266 mg/L (4h)
Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance), CAS: 541-02-6
LC50, inhalativ (mist), Rat, 8.67 mg/l/4h
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LC50, inhalative, Rat, 5 - 16 ppm (6h)
Trimethoxyvinylsilane, CAS: 2768-02-7
LD50, inhalative, Rat, 16.8 mg/l (4 h) (OECD TG 403)
NOAEL, inhalative, Rat, 0.058 mg/l (98 d)

#### Serious eye damage/irritation

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



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Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
Eye, Rabbit, OECD 405, non-irritating
Trimethoxyvinylsilane, CAS: 2768-02-7
Eye, Rabbit, OECD 405, 24h, non-irritating

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
dermal, Rabbit, OECD 404, irritant
Trimethoxyvinylsilane, CAS: 2768-02-7
dermal, Rabbit, 24h, non-irritating

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.  
May cause an allergic skin reaction.  
No classification due to toxicological investigations.  
OECD 406

Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
dermal, Guinea pig, OECD 406, non-sensitizing
Trimethoxyvinylsilane, CAS: 2768-02-7
dermal, sensitising

**Specific target organ toxicity — single exposure** Based on available data, the classification criteria are not met.

Substance
Trimethoxyvinylsilane, CAS: 2768-02-7
inhalative, non-irritating

**Specific target organ toxicity — repeated exposure** Based on available data, the classification criteria are not met.

Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
NOAEL, dermal, Rat, 25 mg/kg bw/day, adverse effect observed
NOAEC, inhalative, Rat, 1710 mg/m <sup>3</sup> , no adverse effect observed
Trimethoxyvinylsilane, CAS: 2768-02-7
NOAEL, oral, Rat, 40 mg/kg bw/day (subchronic), The effects observed are not sufficient for classification.
NOAEC, inhalative, Rat, 605 mg/m <sup>3</sup> (subchronic), The effects observed are not sufficient for classification.

**Mutagenicity** Does not contain a relevant substance that meets the classification criteria.

Substance
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2
in vitro, OECD 471, negativ
Trimethoxyvinylsilane, CAS: 2768-02-7
in vivo, negativ
in vitro, OECD 471, negativ

**Reproduction toxicity** Does not contain a relevant substance that meets the classification criteria.

- Fertility

Substance
-----------

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2

NOAEL, Rat, 1 mg/kg bw/day, OECD 422, The effects observed are not sufficient for classification.

Trimethoxyvinylsilane, CAS: 2768-02-7

NOAEL, oral, Rat, 300 mg/kg bw/day (subchronic), no adverse effect observed

**- Development**

Substance

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2

Rat, OECD 414, The effects observed are not sufficient for classification.

Trimethoxyvinylsilane, CAS: 2768-02-7

NOAEL, oral, Rabbit, 75 mg/kg bw/day (subacute), no adverse effect observed

NOAEC, inhalative, Rat, 1730 mg/m<sup>3</sup> (subacute), no adverse effect observed

**Carcinogenicity**

Does not contain a relevant substance that meets the classification criteria.

**Aspiration hazard**

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

**General remarks**

Toxicological data of complete product are not available.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**11.2.2 Other information**

none

**SECTION 12: Ecological information**

**12.1 Toxicity**

Substance

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, CAS: 1335203-17-2

EL50, (72h), Algae, 10 g/L

NOELR, (28d), fish, 1 g/L

NOELR, (21d), Invertebrates, 1 g/L

LL50, (48h), Invertebrates, 3193 g/L

LL50, (96h), fish, >1028 mg/L

Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance), CAS: 541-02-6

LC50, (96h), Oncorhynchus mykiss, > 16 µg/L

EC50, (96h), Pseudokirchneriella subcapitata, > 12 µg/L

EC50, (48h), Daphnia magna, > 2.9 µg/L

NOEC, Oncorhynchus mykiss, ≥ 14 µg/L/90d

3-Aminopropyltriethoxysilane, CAS: 919-30-2

LC50, (96h), fish, 934 mg/L

EC50, (48h), Daphnia magna, 331 mg/L

NOEC, (96h), fish, 934 mg/L

NOEC, (48h), Daphnia magna, 94 mg/L

Trimethoxyvinylsilane, CAS: 2768-02-7

LC50, (96h), Oncorhynchus mykiss, 191 mg/l

EC50, (48h), Daphnia magna, 168.7 mg/l (92/69/EWG C.2)

EC50, Pseudokirchneriella subcapitata, 210 mg/l (7 d) (US-EPA)

EC10, Pseudomonas putida, 1000 mg/l (5 h)

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## 12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

## 12.3 Bioaccumulative potential

not determined

## 12.4 Mobility in soil

not determined

## 12.5 Results of PBT and vPvB assessment

The mixture contains the following substances which fulfill the PBT and/or vPvB criteria according to REACH criteria, Annex XIII: CAS: 541-02-6

## 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

## 12.7 Other adverse effects

Ecological data of complete product are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.

#### Waste no. (recommended)

070217

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.

#### Waste no. (recommended)

150102

## SECTION 14: Transport information

### 14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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#### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable

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## SECTION 15: Regulatory information

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

<b>EEC-REGULATIONS</b>	2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148
- Comment on component parts	SVHC (Candidate List of Substances of Very High Concern for authorisation) $\geq$ 0.1% CAS 541-02-6 - Decamethylcyclopentasiloxane (non-classified PBT/vPvB substance)
- Annex I (REACH)	The product is not subject to Annex I restrictions.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq$ 0.1% that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq$ 0.1% of substances with the following restrictions. 40, 69, 70, 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
<b>TRANSPORT-REGULATIONS</b>	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
<b>NATIONAL REGULATIONS (EU):</b>	
- Observe employment restrictions for people	no
- VOC (2010/75/CE)	0 %

### 15.2 Chemical safety assessment

not applicable

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 3)

H318 Causes serious eye damage.  
H314 Causes severe skin burns and eye damage.  
H302 Harmful if swallowed.  
  
H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

### Classification procedure

**Modified position**

SECTION 3 deleted: Dodecamethylcyclohexasiloxane (non-classified PBT/vPvB substance)

SECTION 3 deleted: Octamethylcyclotetrasiloxane

SECTION 2 been added: Trimethoxyvinylsilane

SECTION 3 been added: Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

SECTION 3 deleted: Methanol

SECTION 3 deleted: Ethanol

SECTION 2 deleted: Does not contain any PBT or vPvB substances.

SECTION 2 been added: This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 8 deleted: Butyl rubber, >480 min (EN 374-1/-2/-3).

SECTION 8 been added: Nitrile rubber, >480 min (EN 374-1/-2/-3).

SECTION 8 been added: In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.

SECTION 9 been added: solid

SECTION 11 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 been added: No classification due to toxicological investigations.

SECTION 11 deleted: This product contains one or more substances of categorie Repr. 2 (CLP).

SECTION 11 deleted:

SECTION 11 been added: Does not contain a relevant substance that meets the classification criteria.

SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 15 deleted: 1, conf. AwSV, 18.04.2017

SECTION 15 been added: 2, conf. AwSV, 18.04.2017

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