



Trade name: SK 87 Silicone glue

Substance number: 3126

Version: 2 / GB

Date revised: 24.03.2025

Replaces Version: 1 / GB

Print date: 24.03.2025

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

### 1.1. Product identifier

SK 87 Silicone glue

This substance/mixture contains components in nano form

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

#### Use of the substance/preparation

Adhesive for hearing tubes

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

#### Address/Manufacturer

Dreve Otoplastik GmbH

Max-Planck-Straße 31

DE-59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

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

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

for this SDS

### 1.4. Emergency telephone number

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

## SECTION 2: Hazards identification \*\*\*

### 2.1. Classification of the substance or mixture

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

### 2.2. Label elements

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

#### Supplemental information

EUH210

Safety data sheet available on request.

### 2.3. Other hazards

No special hazards have to be mentioned.

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

## SECTION 3: Composition/information on ingredients \*\*\*



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### 3.2. Mixtures

#### Hazardous ingredients \*\*\*

##### Methylsilane triacetate

CAS No. 4253-34-3

EINECS no. 224-221-9

Registration no. 01-2119962266-32

Concentration  $\geq 1$  < 5 %

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

Acute Tox. 4 H302

Skin Corr. 1C H314

Route of exposure: oral

ATE oral 1.600 mg/kg

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

CAS No. 68909-20-6

EINECS no. 272-697-1

Registration no. 01-2119379499-16

Concentration  $\geq 10$  < 25 %

Classification (Regulation (EC) No. 1272/2008)

STOT RE 2 H373

Name of set of nanoform Nanoagglomerate

Particle size distribution d50 100-750 nm

Shape and aspect ratio of particles amorphous

40 to 350 m<sup>2</sup>/g

Particle size distribution Nanoaggregate

d50 60-300 nm

Method Transmission Electron Microscopy (TEM)

Shape and aspect ratio of particles amorphous

40 to 350 m<sup>2</sup>/g

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, soaked clothing immediately and dispose of safely. In case of accident or if you feel unwell, seek medical advice immediately. In any case show the physician the Safety Data Sheet.

#### After inhalation

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.). Summon a doctor immediately.

#### After ingestion

Let plenty of water be drunk in small gulps. Do not induce vomiting.

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

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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 / treatment

Treat symptomatically

##### Hints for the physician / hazards

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

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

#### Non suitable extinguishing media

Full water jet

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

Refer to protective measures listed in Sections 7 and 8. Avoid contact with skin, eyes and clothing. Avoid breathing vapours. High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case the product spills into sewage waters, immediately inform the authorities.

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

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with the regulations. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

### 6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling



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**Advice on safe handling**

Use only in well-ventilated areas. Exhaust ventilation at the object is necessary. Avoid skin and eye contact.

**Advice on protection against fire and explosion**

Vapours may form explosive mixtures with air. Ignitable mixtures can form in the empty container. Keep away from sources of ignition - No smoking. Take action to prevent static discharges. Containers in danger should be cooled with water.

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

**Recommended storage temperature**

Value 0 °C

**Requirements for storage rooms and vessels**

Store in accordance with national regulation. Storage rooms must be properly ventilated.

**Hints on storage assembly**

Do not store together with foodstuffs.

**Storage classes**

Storage class according to TRGS 510 12 Non-combustible liquids

**Further information on storage conditions**

Protect from atmospheric moisture and water. Protect from heat and direct sunlight. Keep container tightly closed and in a well-ventilated place.

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

**8.1. Control parameters**

**Other information**

Contains no substances with occupational exposure limit values.

**Derived No/Minimal Effect Levels (DNEL/DMEL)**

**Methylsilane triacetate**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	31	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	61	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	31	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
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Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	61	mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC)****Methylsilane triacetate**

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	4,8	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,48	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	6,9	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	0,19	mg/kg

**8.2. Exposure controls****General protective and hygiene measures**

Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Use barrier skin cream. Take off immediately all contaminated clothing. Hold eye wash fountain available. Hold emergency shower available. Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time.

**Respiratory protection**

Use suitable respiratory protective device in case of insufficient ventilation; The respiratory protection must comply with the relevant CEN standards.

**Hand protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Appropriate Material	Butyl rubber	
Material thickness	> 0,1	mm
Breakthrough time	appr. 120	min

Hand protection must comply with EN 374.

**Eye protection**

Safety glasses

**Body protection**

Personnel should wear protective clothing.

**Environmental exposure controls**

Do not allow to enter drains or water courses.



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## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Paste
<b>Colour</b>	transparent
<b>Odour</b>	pungent
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	
Remarks	not determined
<b>Flammability</b>	
evaluation	not determined
<b>Upper and lower explosive limits</b>	
Remarks	not determined
<b>Flash point</b>	
Remarks	Not applicable
<b>Auto-ignition temperature</b>	
Remarks	not determined
<b>Decomposition temperature</b>	
Remarks	No decomposition if used as prescribed.
<b>pH value</b>	
Remarks	not determined
<b>Viscosity</b>	
<b>dynamic</b>	
Value	300000 mPa.s
Temperature	25 °C
<b>Solubility(ies)</b>	
Remarks	not determined
<b>Partition coefficient n-octanol/water (log value)</b>	
Remarks	not determined
<b>Vapour pressure</b>	
Remarks	not determined
<b>Density and/or relative density</b>	
Value	1,09 g/cm <sup>3</sup>
Temperature	20 °C
Method	DIN 53217
<b>Relative vapour density</b>	
Remarks	not determined
<b>9.2. Other information</b>	
<b>Odour threshold</b>	
Remarks	not determined
<b>Evaporation rate (ether = 1) :</b>	
Remarks	not determined
<b>Solubility in water</b>	



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Remarks	Hydrolysed
<b>Auto-ignition temperature</b>	
Value	appr. 460 °C
<b>Explosive properties</b>	
evaluation	not determined
<b>Oxidising properties</b>	
Remarks	not determined
<b>Other information</b>	
None known	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Contact with water or moisture liberates irritant gases.

### 10.2. Chemical stability

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

Sensitive to moisture. Protect from heat and direct sunlight.

### 10.5. Incompatible materials

Product reacts with: Water, Bases

### 10.6. Hazardous decomposition products

Possibility of splitting-off of small amounts of formaldehyde, Reacts with water forming acetic acid

## SECTION 11: Toxicological information

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

#### Acute oral toxicity

ATE	> 10.000	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)	

#### Acute oral toxicity (Components)

##### Methylsilane triacetate

Species	rat	
LD50	1600	mg/kg
Method	OECD 401	

##### 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.



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**Acute dermal toxicity (Components)****Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)**

Species	rabbit
LD50	> 2000 mg/kg
Remarks	Test conducted with a similar formulation.

**Acute inhalational toxicity**

Remarks	Based on available data, the classification criteria are not met.
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**Acute inhalative toxicity (Components)****Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)**

Species	rat
LC50	> 5,01 mg/l
Duration of exposure	4 h
Administration/Form	Dust/Mist
Remarks	Test conducted with a similar formulation.

**Skin corrosion/irritation**

Remarks	Based on available data, the classification criteria are not met.
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**Skin corrosion/irritation (Components)****Methylsilane triacetate**

Species	rabbit
evaluation	corrosive
Method	OECD 404

**Serious eye damage/irritation**

Remarks	Based on available data, the classification criteria are not met.
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**Serious eye damage/irritation (Components)****Methylsilane triacetate**

Species	rabbit
evaluation	corrosive
Method	OECD 405

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

Repeated exposure evaluation	May cause damage to organs through prolonged or repeated exposure
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Route of exposure inhalative  
Organs: Lungs

**Aspiration hazard**

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

**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**

In contact with dampness product separates a small quantity of acetic acid, which irritates skin and mucous membranes.

## SECTION 12: Ecological information

**12.1. Toxicity****General information**

not determined

**Fish toxicity (Components)****Methylsilane triacetate**

Species	zebra fish ( <i>Brachydanio rerio</i> )		
LC50	>	500	mg/l
Duration of exposure	96	h	
Method	Regulation (EC) No. 440/2008, Annex, C.1		
Remarks	The product is unstable in water. The information on elimination relates to the hydrolysis products.		

**Silanamine, 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)****Methylsilane triacetate**

Species	Daphnia magna		
EC50	>	500	mg/l
Duration of exposure	48	h	
Method	Regulation (EC) No. 440/2008, Annex, C.2		
Remarks	The product is unstable in water. The information on elimination relates to the hydrolysis products.		

**Methylsilane triacetate**

Species	Daphnia magna		
NOEC	>=	100	mg/l
Duration of exposure	21	d	
Method	OECD 211		
Remarks	The product is unstable in water. The information on elimination relates to the hydrolysis products.		

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

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

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Source Analogous

**Algae toxicity (Components)****Methylsilane triacetate**

Species	Pseudokirchneriella subcapitata	
EC50	> 500	mg/l
Duration of exposure	72	h
Method	Regulation (EC) No. 440/2008, Annex, C.3	
Remarks	The product is unstable in water. The information on elimination relates to the hydrolysis products.	

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

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

**Bacteria toxicity (Components)****Methylsilane triacetate**

Species	activated sludge	
EC10	> 100	mg/l
Duration of exposure	3	h
Method	OECD 209	

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

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

**12.2. Persistence and degradability****General information**

not determined

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

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

Value	74	%
Duration of test evaluation	21	d
	not readily degradable	

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

not determined

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

Remarks	not determined
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**12.4. Mobility in soil****General information**

not determined

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

not determined



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**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 discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations for the product**

Must not be disposed together with household garbage.  
Do not allow to enter drains or water courses.  
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		-	-

**SECTION 15: Regulatory information**



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

### Other information

All components are contained in the TSCA inventory or exempted.

## 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Hazard statements listed in Chapter 2/3

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.

### CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Skin Corr. 1C	Skin corrosion, Category 1C
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.