



Trade name: SK 87 Silicone glue

Substance number: 3126

Version: 1 / GB

Date revised: 08.12.2023

Replaces Version: - / GB

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

1.1. Product identifier

SK 87 Silicone glue

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

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

3.2. Mixtures



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Hazardous ingredients**Methylsilane triacetate**

CAS No.	4253-34-3			
EINECS no.	224-221-9			
Registration no.	01-2119962266-32			
Concentration	>= 3	< 5	%	
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1	H318		
	Acute Tox. 4	H302		Route of exposure: oral
	Skin Corr. 1C	H314		
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	>= 25	< 50	%	
Classification (Regulation (EC) No. 1272/2008)	STOT RE 2	H373		
Name of set of nanoform	Nanoagglomerate			
Particle size distribution	d50 50-550 nm			
	Method	Transmission Electron Microscopy (TEM)		
Shape and aspect ratio of particles	amorphous			
50	to 350	m ² /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

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



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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, CO₂, 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****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



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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

Exposure limit values

Acetic acid

List	TRGS 900			
Type	AGW			
Value	25,0	mg/m ³	10	ppm(V)
Maximum limit value: 2(l) Pregnancy group: Y; Status: Dez 2007				

Acetic acid

List	EU			
Value	25,0	mg/m ³	10,0	ppm(V)
Maximum limit value: 2(l) Pregnancy group: Y; Status: Dez 2007				

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	Systemic effects	
Concentration	25	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	14,5	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	



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Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	5,1	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	7,2	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1	mg/kg/d

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

Type of value	PNEC	
Type	Freshwater	
Concentration	1,0	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,10	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	10	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,80	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,08	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	> 10	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	0,13	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.



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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.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Paste		
Colour	transparent		
Odour	pungent		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Flammability			
evaluation	not determined		
Upper and lower explosive limits			
Remarks	not determined		
Flash point			
Remarks	Not applicable		
Ignition temperature			
Remarks	not determined		
Decomposition temperature			
Remarks	No decomposition if used as prescribed.		
pH value			
Remarks	not determined		
Viscosity			
dynamic			
Value	300000	mPa.s	
Temperature	25	°C	



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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	1,09		g/cm ³
Temperature	20	°C	
Method	DIN 53217		

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 Hydrolysed

Auto-ignition temperature

Value appr. 460 °C

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

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

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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

ATE	>	10.000	mg/kg
Method		calculated value (Regulation (EC) No. 1272/2008)	

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	>	5000	mg/kg
Source	Analogous		

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		
Source	Analogous		

Skin corrosion/irritation

Species	rabbit		
evaluation	non-irritant		
Remarks	Based on available data, the classification criteria are not met.		
Source	Manufacturer's data		

Skin corrosion/irritation (Components)

Methylsilane triacetate

Species	rabbit		
evaluation	corrosive		
Method	OECD 404		

Serious eye damage/irritation

Species	rabbit		
evaluation	non-irritant		
Remarks	Based on available data, the classification criteria are not met.		
Source	Manufacturer's data		

Serious eye damage/irritation (Components)



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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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Aspiration hazard

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

Remarks	not determined
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Fish toxicity (Components)**Methylsilane triacetate**

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



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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
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)**



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

Methylsilane triacetate

Value	74	%
Duration of test evaluation	21	d
Remarks	Readily biodegradable (according to OECD criteria) Test conducted with a similar formulation.	

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)**Methylsilane triacetate**

log Pow	-2,4	
Temperature	20	°C
Source	ECHA	

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 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



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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

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.



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