

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

DER SPIEGEL - & LACKGLASKLEBER

Revision date: 02.05.2023

Product code: 36110

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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Product group: silicone

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

Silicone Sealant/adhesive

1.3. Details of the supplier of the safety data sheet

Company name:	EGO Dichtstoffwerke GmbH & Co. Betriebs KG	
Street:	Kaltenbrunn 27	
Place:	D-82467 Garmisch-Partenkirchen	
Telephone:	+49 (0)8821 956 90	Telefax: +49 (0)8821 956 990
e-mail:	info@ego.de	
Contact person:	Laboratory	Telephone: +49 (0)8821 956 960
e-mail:	EGO-Labor@ego.de	
Internet:	www.ego.de	

1.4. Emergency telephone

+49 55119240 (24h/7d)

number:GIZ-Nord, Göttingen
Member of EPECs network**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

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

2.2. Label elements**Regulation (EC) No 1272/2008****Special labelling of certain mixtures**

EUH208	Contains 3-(Triethoxysilyl)propylamin, 3-(2-Aminoethylamino)propyltriethoxysilan. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Additional advice on labelling

The classification corresponds to the current EC listing, but is enhanced by specialised literature data and the Company's own information.

2.3. Other hazardsNone under normal processing.
During polymerization the product releases small quantities of ethanol/methanol.**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Polydimethylsiloxane + curing agents + fillers + auxiliary agents

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Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
128446-60-6	3-Aminopropyl(methyl)silsesquioxan, ethoxy-terminiert			1 - < 5 %
	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2; H226 H315 H319			
2768-02-7	Vinyltrimethoxysilane			1 - < 5 %
	220-449-8		01-2119513215-52	
	Flam. Liq. 3, Acute Tox. 4; H226 H332			
919-30-2	3-(Triethoxysilyl)propylamin			< 1 %
	213-048-4			
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1B; H302 H314 H318 H317			
5089-72-5	3-(2-Aminoethylamino)propyltriethoxysilan			< 1 %
	225-806-1			
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B, Aquatic Chronic 3; H315 H318 H317 H412			
93925-42-9	Kieselsäuretetraethylester mit Bis(acetyloxy)dibutylstannan			< 1 %
	300-344-4		01-2119560586-30	
	Flam. Liq. 3, Muta. 2, Repr. 1B, Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, STOT SE 1, STOT RE 1, Aquatic Chronic 3; H226 H341 H360FD H332 H302 H318 H370 H372 H412			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
2768-02-7	220-449-8	Vinyltrimethoxysilane	1 - < 5 %	
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)			
919-30-2	213-048-4	3-(Triethoxysilyl)propylamin	< 1 %	
	dermal: LD50 = 4076 mg/kg; oral: LD50 = 2660 mg/kg			
93925-42-9	300-344-4	Kieselsäuretetraethylester mit Bis(acetyloxy)dibutylstannan	< 1 %	
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 1000 mg/kg			

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

During polymerization the product releases small quantities of ethanol/methanol. If you feel unwell, seek medical advice (show the label where possible).

After inhalation

Move to fresh air in case of accidental inhalation of vapours. If you feel unwell, seek medical advice (show the label where possible).

After contact with skin

Wipe off. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Clean mouth with water and drink afterwards plenty of water. If swallowed, seek medical advice immediately and show this container or label.

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

Hitherto no symptoms known.

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

This information is not available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water spray, Dry powder, Sand, Foam, Carbon dioxide (CO₂).**Unsuitable extinguishing media**

High volume water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire and/or explosion do not breathe fumes.

Combustion may provoke smoke emission. Hazardous decomposition products formed under fire conditions.

Hazardous combustion products: Nitrogen oxides (NO_x).**5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Ensure adequate ventilation. Avoid contact with skin and eyes. Use personal protective equipment.

Contaminated surfaces will be extremely slippery.

For non-emergency personnel

Remove from all sources of ignition. Provide adequate ventilation. Wear personal protection equipment.

For emergency responders

Wear personal protection equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up**For containment**

Cover the sewers.

For cleaning up

Contaminated surfaces will be extremely slippery. Use mechanical handling equipment. Dispose of in accordance with local regulations.

To clean the floor and all object contaminated by this material, use Solvent . Cleaning with white-spirit possible.

Other information

Ensure adequate ventilation.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Preventive measures: not required under normal use

Handle in accordance with good industrial hygiene and safety practice. Use only in well-ventilated areas. When using, do not eat, drink or smoke.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

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Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice.

When using, do not eat, drink or smoke. Avoid contact with the skin and the eyes. Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

None known.

Hints on joint storage

Exempt

Further information on storage conditions

Protect from moisture. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Silicone Sealant/adhesive

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**Individual protection measures, such as personal protective equipment****Eye/face protection**

Safety glasses

Hand protection

Solvent-resistant gloves (butyl-rubber). Duration of use approx. 60 minutes.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection

Long sleeved clothing

Respiratory protection

Ensure adequate ventilation, especially in confined areas.

Avoid prolonged or repeated breathing of vapour.

Repeated or prolonged exposure: Respirator with a vapour filter (EN 141) - ABEK-filter

Thermal hazards

Do not heat the product.

Under fire conditions: Flame-resistant clothing

Low temperature resistant gloves: not required

Environmental exposure controls

Do not empty into drains or the aquatic environment.

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

Physical state:	paste	
Colour:	white	
Odour:	characteristic	
Melting point/freezing point:		not applicable

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Boiling point or initial boiling point and boiling range:	not applicable
Flammability:	not determined
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	> 400 °C
Water solubility:	insoluble
Density:	approx. 1,2 g/cm ³
Particle characteristics:	not applicable

9.2. Other information**Other safety characteristics**

Viscosity / dynamic: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

moisture.

10.5. Incompatible materials

Bases, Acids, Water.

10.6. Hazardous decomposition products

Methanol. Ethanol. Do not expose to temperatures above 150 °C.

No decomposition if used as directed.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

No data is available on the product itself.

Health injuries are not known or expected under normal use.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2768-02-7	Vinyltrimethoxysilane				
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
919-30-2	3-(Triethoxysilyl)propylamin				
	oral	LD50 2660 mg/kg	rat	OECD Test Guideline 401	
	dermal	LD50 4076 mg/kg	rabbit	OECD Test Guideline 402	
93925-42-9	Kieselsäuretetraethylester mit Bis(acetyloxy)dibutylstannan				
	oral	LD50 1000 mg/kg	rat		
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

No data is available on the product itself.

Sensitising effects

No sensitisation responses were observed.

Carcinogenic/mutagenic/toxic effects for reproduction

No data is available on the product itself.

STOT-single exposure

No data is available on the product itself.

STOT-repeated exposure

No data is available on the product itself.

Aspiration hazard

Due to the viscosity, this product does not present an aspiration hazard.

Information on likely routes of exposure

Skin contact

Additional information on tests

During polymerization the product releases small quantities of ethanol/methanol.
The cured material is odorless and indifferent.

11.2. Information on other hazards**Other information**

Health injuries are not known or expected under normal use.

Further information

product of hydrolysis Ethanol.

Acc. to literature Slightly irritating to skin and muuous membranes, degraesing skin, narcotic. Liver injury may occur.

SECTION 12: Ecological information**12.1. Toxicity**

No data is available on the product itself.
Ecological injuries are not known or expected under normal use.

12.2. Persistence and degradability

Non-biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

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12.4. Mobility in soil

The product is insoluble and sinks in water.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

No data is available on the product itself.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Ecological injuries are not known or expected under normal use.

Further information

May be separated mechanically in waste water plants.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of as special waste in compliance with local and national regulations.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Contaminated packaging

Empty remaining contents. Where possible recycling is preferred to disposal or incineration.

SECTION 14: Transport information**Land transport (ADR/RID)**

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine pollutant:

no

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

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Restrictions on use (REACH, annex XVII):

Entry 40

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,6,7,8,9,11,16.

Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects (inhalation, ingestion).
H360FD	May damage fertility. May damage the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 3-(Triethoxysilyl)propylamin, 3-(2-Aminoethylamino)propyltriethoxysilan. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Further Information

This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.

Moreover, national legislation has to be obeyed!

These data describe only the safety requirements for the product(s) and are based on our present knowledge.

However, they do not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)