

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGOSILICON 120

Revision date: 03.02.2023

Product code: 312

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

EGOSILICON 120

Product group: silicone

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

Silicone Sealant

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 number: +49 55119240 (24h/7d)
 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**

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 hazards

During polymerization the product releases small quantities of acetic acid.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Polydimethylsiloxane + curing agents + fillers + auxiliary agents

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
17689-77-9	Ethyltriacetoxysilan			5 - <10 %
	241-677-4		01-2119881778-15	
	Acute Tox. 4, Skin Corr. 1B; H302 H314			

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

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
17689-77-9	241-677-4	Ethyltriacetoxysilan	5 - <10 %
		oral: LD50 = 380 mg/kg	

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

During polymerization the product releases small quantities of acetic acid. Do not inhale highly-concentrated release products for a longer period of time during polymerization, danger of irritation. Ensure adequate ventilation, especially in confined areas.

After inhalation

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

After contact with skin

Remove immediately adhering matter. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If skin irritation persists, call a physician.

After contact with eyes

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth. Let water be swallowed in little sips (dilution effect).
If swallowed, seek medical advice immediately and show this container or label.

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

This information is not available.

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

This information is not available.
Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray, Dry powder, Foam, Sand, Carbon dioxide (CO₂).

Unsuitable extinguishing media

High volume water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.
Combustion may provoke smoke emission. Hazardous decomposition products formed under fire conditions.
Decomposition products: acetic acid

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

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

Ensure adequate ventilation. Do not breath vapour. Avoid contact with skin and eyes.

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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.

6.4. Reference to other sections

See also section 7, 8, 13

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

Use only in well-ventilated areas. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

Further information on handling

When using, do not eat, drink or smoke.

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

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

Hints on joint storage

Exempt

Further information on storage conditions

Protect from moisture.

7.3. Specific end use(s)

Silicone Sealant

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

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Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety glasses

Hand protection

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

butyl-rubber: Glove thickness >0,3mm; Breakthrough time >480 minutes.

Nitrile rubber: Glove thickness >0,1mm; Breakthrough time 60 -120 minutes.

The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. The exact break through time can be obtained from the protective glove producer and this has to be observed.

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

Skin protection

Protective clothing.

Respiratory protection

Ensure adequate ventilation, especially in confined areas. Maintain air concentrations below occupational exposure standards.

In case of insufficient ventilation wear suitable respiratory equipment. 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 flush into surface water or sanitary sewer system.

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

Physical state:	paste	
Colour:	red brown, black	
Odour:	vinegar-like	
Odour threshold:	not determined	
Melting point/freezing point:		not applicable
Boiling point or initial boiling point and boiling range:		not applicable
Flammability:		not applicable
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable
Flash point:		not applicable
Auto-ignition temperature:		> 400 °C
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		insoluble
Dissolution rate:		not determined
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density:		approx. 1,3 g/cm ³
Particle characteristics:		not applicable

9.2. Other information**Information with regard to physical hazard classes**

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Explosive properties

not Explosive.

Self-ignition temperature

Solid:

not auto-flammable

Oxidizing properties

none

Other safety characteristics

Viscosity / dynamic:

not determined

Further Information

The product is: not auto-flammable

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

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under recommended storage 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

Reacts with water, Bases, Alcohols.

10.6. Hazardous decomposition products

No decomposition if used as directed. During polymerization the product releases small quantities of acetic acid.

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.

Concentration above the OEL may cause irritation of eyes and mucous membranes.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
17689-77-9	Ethyltriacetoxysilan				
	oral	LD50 mg/kg	380	rat	OECD Test Guideline 401

Irritation and corrosivity

During polymerization the product releases small quantities of acetic acid.

Vapour during processing may be irritating to the respiratory tract and to the eyes.

Sensitising effects

Hitherto no symptoms known.

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.

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Aspiration hazard

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

Information on likely routes of exposure

Skin contact

Specific effects in experiment on an animal

No data is available on the product itself.

Practical experience

Health injuries are not known or expected under normal use.

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

The cured material is odorless and indifferent.

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

No data is available on the product itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
17689-77-9	Ethyltriacetoxysilan					
	Acute fish toxicity	LC50	251 mg/l	96 h	Danio rerio (zebra fish)	
	Acute algae toxicity	ErC50	73 mg/l	72 h	Pseudokirchneriella subcapitata (green algae)	
	Acute crustacea toxicity	EC50	62 mg/l	48 h	Daphnia magna (Water flea)	

12.2. Persistence and degradability

silicone bio-degradable.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility in soil

The product is insoluble and sinks in water.

12.5. Results of PBT and vPvB assessmentThe substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
not applicable**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

None known.

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. Dispose of in accordance with local regulations.

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

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

Marine transport (IMDG)

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

Marine pollutant: no

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	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****National regulatory information**

Water hazard class (D): 1 - slightly 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): 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%

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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)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
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.)