

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGOSILICON 400

Revision date: 02.04.2025

Product code: 400

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Relevant ingredients

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 Dam. 1; H226 H315 H318	
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	
457065-96-2	N,N-Bis(3-(triethoxysilyl)propyl)-1,2-ethylendiamin	< 0.1 %
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B; H315 H318 H317	

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	
919-30-2	213-048-4	3-(Triethoxysilyl)propylamin	< 1 %
		dermal: LD50 = 4076 mg/kg; oral: LD50 = 2660 mg/kg	

Further Information

The light color settings of this product contain titanium dioxide. Pay attention to proper use. See further information in sections 6.1 and 7.1.

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

In case of accident or if you feel unwell, seek medical advice immediately (show the packaging, label or safety data sheet if possible).

After inhalation

Product can not be inhaled under normal circumstances.

After contact with skin

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleanser and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

After contact with eyes

Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.

After ingestion

Let water be swallowed in little sips (dilution effect). Do not induce vomiting.

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

Relevant information can be found in other parts of this section.

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

Further information:

See also section 11

SECTION 5: Firefighting measures

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5.1. Extinguishing media**Suitable extinguishing media**

Atomized water. alcohol resistant foam. Extinguishing powder. Sand. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire hazardous combustion gases or vapors possible. Exposure to combustion products can be a health hazard! Hazardous fire products: toxic and very toxic fumes.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
Keep away from unprotected people. Keep upwind.

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

Secure the area. Wear personal protection equipment. See protective measures under point 7 and 8. Keep unprotected people away.

Remove from all sources of ignition. Vacuum off vapors. Observe Ex protection. Special skid risk by leaking/spilling product.

If the dried product is removed mechanically, then respirable titanium dioxide particles can be atomized. A fine dust mask FFP3 (EN 149) must therefore be worn to protect the respiratory tract.

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 allow contact with soil, surface or ground water. Close the leak if this is possible without danger.

Prevent fire extinguishing water from contaminating surface water or the ground water system. Dispose of in properly labeled containers. When leaking into waters, sewers or underground, notify competent authority.

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

Cover the sewers.

For cleaning up

To avoid adhesion, dust the surface with sand or bleaching earth and absorb material mechanically. Sweep up or scrape up spilled material and place in a special chemical waste bin. Remove any remaining slippery surface with detergent / soap solution or other biodegradable cleaner. To improve the grip, apply sand or other inert, granular material.

Other information

Ensure adequate ventilation.

6.4. Reference to other sections

For personal protection see section 8.

See also section 8, 13

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

Prevent vapour buildup by providing adequate ventilation during and after use. Local exhaust ventilation necessary.

A fine dust mask FFP 3 (EN 149) must be worn when removing dried product residues.

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Advice on protection against fire and explosion

Product may release small quantities of ethanol. Vapours may form explosive mixture with air. Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges. Cool endangered containers with water spray.

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.

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

Pay attention to local official regulations

Hints on joint storage

Pay attention to local official regulations

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

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Colour:	white	
Odour:	alcoholic	
Melting point/freezing point:		not applicable
Boiling point or initial boiling point and boiling range:		not applicable
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable
Flash point:		not applicable
Auto-ignition temperature:		> 400 °C
Water solubility:		insoluble
Vapour pressure:		not determined
Density (at 23 °C):		1,39 g/cm ³
Particle characteristics:		not applicable

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

Oxidizing properties
no

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

Exposure to moisture. Keep away from heat and sources of ignition.

10.5. Incompatible materials

Water. Acids and bases.

10.6. Hazardous decomposition products

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.

ATEmix tested

	Dose	Species	Source
LD50, oral	>2000 mg/kg	rat	Read-across (Analogy)
LD50, dermal	>2000 mg/kg	rat	Read-across (Analogy)

ATEmix calculated

ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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	Exposure route	Dose	Species	Source	Method
919-30-2	3-(Triethoxysilyl)propylamin				
	oral	LD50 mg/kg	2660	rat	OECD Test Guideline 401
	dermal	LD50 mg/kg	4076	rabbit	OECD Test Guideline 402

Irritation and corrosivity

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

Sensitising effects

May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Information on likely routes of exposure

Skin contact

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

product of hydrolysis Ethanol.

Ethanol - Acc. to literature Slightly irritating to skin and mucous membranes, degreasing 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.

product of hydrolysis Ethanol: Readily biodegradable.

12.3. Bioaccumulative potential

Polymer component Bioaccumulation is unlikely.

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.

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.

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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

recommendation: Packaging must be completely emptied (drip-free, free from trickle, spatula-clean).
Packaging must preferably be reused or recycled in compliance with the applicable local / national regulations.
Non-cleanable packaging must be disposed of in the same way as the substance.

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.

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

Relevant information in other sections must be observed.

14.7. Maritime transport in bulk according to IMO instruments

There is no intended bulk transport in tankers.

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

Restrictions on use (REACH, annex XVII):
Entry 40, Entry 75

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Additional information

Chemicals Prohibition Ordinance (ChemVerbotsV): This product is not subject to the Chemicals Prohibition Ordinance when placed on the market in Germany.

15.2. Chemical safety assessment

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

SECTION 16: Other information

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Changes

This data sheet contains changes from the previous version in section(s): 2,8,9,10,11,12,13,15.

Abbreviations and acronyms

Flam. Liq: Flammable liquid

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Skin Sens: Skin sensitisation

Aquatic Chronic: Chronic aquatic hazard

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.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains 3- (triethoxysilyl) propylamine, 3-(2-Aminoethylamino)propyltriethoxysilan. May produce an allergic reaction.

EUH210 Safety data sheet available on request.



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Further Information

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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)