

Nano Glass Sealant Component 1

Revision date: 03.09.2018

Product code: 1595

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

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**hydrophobing- and oleophobing agent
surface-modifier**1.3. Details of the supplier of the safety data sheet**

Company name:	CTP GmbH	
Street:	Saalfelder Strasse 35h	
Place:	D-07338 Leutenberg	
Telephone:	+49 (0)36734 230-0	Telefax: +49 (0)36734 230-22
e-mail:	msds@bluechemgroup.com	
Contact person:	Jens Moeller, Dipl.-Chem.	Telephone: +49 (0)36734 230-19
Internet:	www.bluechemgroup.com	

1.4. Emergency telephone number: GBK GmbH: +49-(0)6132-84463 (24/7)**Further Information**

Article Number: 21151, 21187, 21159

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**Hazard categories:
Flammable liquid: Flam. Liq. 2
Hazard Statements:
Highly flammable liquid and vapour.**2.2. Label elements****Regulation (EC) No. 1272/2008**

Signal word: Danger

Pictograms:

**Hazard statements**

H225 Highly flammable liquid and vapour.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

Vapours may form explosive mixtures with air.



according to Regulation (EC) No 1907/2006

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SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**Solvent mixture:
alcoholes**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64-17-5	ethanol, ethyl alcohol			80 - < 85 %
	200-578-6		01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

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

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

Remove contaminated, saturated clothing immediately.

After inhalation

Following inhalation: Provide fresh air.

After contact with skinAfter contact with skin, wash immediately with plenty of water and soap.
If skin becomes irritated, seek medical treatment.**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestionRinse mouth thoroughly with water.
Let water be drunken in little sips (dilution effect).
Consult physician.**4.2. Most important symptoms and effects, both acute and delayed**Frequently or prolonged contact with skin may cause dermal irritation.
Irritation of eyes: Irritant effect possible.**4.3. Indication of any immediate medical attention and special treatment needed**After ingestion of absorption substances:
Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water fog.
alcohol resistant foam.
Carbon dioxide (CO₂).
Extinguishing powder.**5.2. Special hazards arising from the substance or mixture**

Cool endangered container in case of fire.

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Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

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

Wear personal protection equipment.
Provide adequate ventilation.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed containers for disposal.

6.4. Reference to other sections

No data

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

Provide adequate ventilation.
Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

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

Keep container tightly closed in a cool, well-ventilated place.
Keep away from moisture.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

8.2. Exposure controls**Protective and hygiene measures**

Provide adequate ventilation.
Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin and eyes.
Remove contaminated, saturated clothing immediately.
When using do not eat, drink or smoke.
Protect skin by using skin protective cream.

Eye/face protection

Tightly sealed safety glasses.

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Hand protection

Suitable material: Butyl rubber. FKM (Fluoroelastomer (Viton)).

Material thickness: 0.4 – 0.5 mm

penetration time \geq 480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values aerosol or mist generation.

Wear suitable breathing apparatus (filter typ ABEK).

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

Physical state:	liquid
Colour:	colourless
Odour:	alcoholic

pH-Value (at 20 °C):	7,2 (1000 g/l)	Test method
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Changes in the physical state

Initial boiling point and boiling range:	78 °C
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Flash point:	7 °C	DIN 51755
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Flammability

Solid:	Ethanol.
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Lower explosion limits:	3,5 vol. %
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Upper explosion limits:	28 vol. %
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Ignition temperature:	425 °C	DIN 51794
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Auto-ignition temperature

Solid:	Ethanol.
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Vapour pressure: (at 20 °C)	60 hPa
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Density (at 20 °C):	0,8 g/cm ³	DIN 51757
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Water solubility:	miscible.
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Viscosity / dynamic: (at 20 °C)	2 mPa·s	DIN 53015
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9.2. Other information

No data

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

No information available.

10.2. Chemical stability

No decomposition when used as intended.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

No information available.

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10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

none
thermal decomposition: standard pressure decomposition distillable
Reacts violently with: Oxidizing agents, strong.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
64-17-5	ethanol, ethyl alcohol					
	oral	LD50 mg/kg	6200	Rat	IUCLID	
	inhalation (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS	

Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.
Irritation of eyes: Irritant effect possible.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity	EC50	9268 - 14221 mg/l	48 h	Daphnia magna	IUCLID

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Carry out a burning of hazardous waste according to official regulations.
For this product, the waste identity number according to the European waste catalogue can not be defined

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because the designated use by the consumer allows the classification first.
Arrange about the exact waste code with the local waste disposal expert.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1170
14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 144 601
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 1170
14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 144 601
 Limited quantity: 1 L
 Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 1170
14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Marine pollutant: -
 Special Provisions: 144
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

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14.1. UN number:	UN 1170
14.2. UN proper shipping name:	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Special Provisions:	A3 A58 A180
Limited quantity Passenger:	1 L
Passenger LQ:	Y341
Excepted quantity:	E2
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

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

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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