

**Nano Glass Sealant Component 2**

Revision date: 03.09.2018

Product code: 1596

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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 oleophobic 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  
Serious eye damage/eye irritation: Eye Irrit. 2  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazard Statements:  
Highly flammable liquid and vapour.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

propan-2-ol; isopropyl alcohol; isopropanol

**Signal word:** Danger**Pictograms:****Hazard statements**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

**Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.



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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of this material and its container to hazardous or special waste collection point.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	80 - < 85 %
	200-661-7	
	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

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: Move victim to fresh air. Consult physician.

In case of respiratory tract irritation, consult a physician.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Seek medical attention if problems persist.

##### 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 ingestion

Rinse mouth thoroughly with water.

Let water be drunk 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.

Vapours may cause drowsiness and dizziness.

#### 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

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**Suitable extinguishing media**

- Water fog.
- alcohol resistant foam.
- Carbon dioxide (CO<sub>2</sub>).
- Extinguishing powder.

**5.2. Special hazards arising from the substance or mixture**

- Cool endangered container in case of fire.
- 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 <sup>3</sup>	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

**8.2. Exposure controls**

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**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.

**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 cloudy
Odour:	product-specific

pH-Value (at 20 °C): 1,8 (1000 g/l)

**Test method****Changes in the physical state**

Flash point:	14 °C	DIN 51755
Lower explosion limits:	2 vol. %	
Upper explosion limits:	12 vol. %	
Density (at 20 °C):	0,89 g/cm <sup>3</sup>	DIN 51757
Viscosity / dynamic: (at 20 °C)	3,7 mPa·s	DIN 53015

**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**

Reacts violently with: Oxidizing agents, strong.

**10.4. Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**10.5. Incompatible materials**

Strong oxidizing agents.



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#### 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

Vapours may cause drowsiness and dizziness.

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	oral	LD50 mg/kg	5280	Rat		
	dermal	LD50 mg/kg	12800	Rabbit		
	inhalation (4 h) vapour	LC50	47,5 mg/l	Rat		

##### 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
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol						
	Acute fish toxicity	LC50 mg/l	9640	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 mg/l	1000	72 h	Algae		
	Acute crustacea toxicity	EC50 mg/l	13299	48 h	Daphnia magna		

#### 12.2. Persistence and degradability

Easily biodegradable (concerning to the criteria of the OECD)

#### 12.3. Bioaccumulative potential

No information available.

#### 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

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**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 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 1219  
**14.2. UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 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 1219  
**14.2. UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



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

**Marine transport (IMDG)**

**14.1. UN number:** UN 1219  
**14.2. UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Marine pollutant: -  
Special Provisions: -  
Limited quantity: 1 L

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Excepted quantity: E2  
EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 1219  
**14.2. UN proper shipping name:** Isopropyl alcohol  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: 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.  
H336 May cause drowsiness or dizziness.

**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.)*