



## Nano Sealant for Outdoor Glass Surfaces 1-component

Print date: 11.02.2011

Product code: 285

Page 1 of 6

### 1. Identification of the substance/mixture and of the company/undertaking

#### Identification of the substance or mixture

Nano Sealant for Outdoor Glass Surfaces 1-component

#### Use of the substance/mixture

hydrophobing- and oleophobic agent  
surface-modifier

#### Company/undertaking identification

Company name: CTP-GmbH  
Street: Saalfelder Straße 35  
Place: D-07338 Leutenberg  
Telephone: +4936734/230-0  
e-mail: hotline@ctp-gmbh.de  
Contact person: Jens Moeller, Dipl.-Chem.  
Internet: www.ctp-gmbh.de  
Telefax: +4936734/230-22  
Telephone: +4936734/230-19

#### Further Information

Article Number: 21203

### 2. Hazards identification

#### Classification

Indications of danger : Highly flammable, Irritant  
R-phrases:  
Highly flammable.  
Irritating to eyes.  
Vapours may cause drowsiness and dizziness.

### 3. Composition/information on ingredients

#### Chemical characterization ( Mixture )

hydrophobing- and oleophobic agent  
surface-modifier

#### Hazardous components

EC No.	CAS No.	Chemical name	Quantity	Classification
200-661-7	67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	>20 - < 100 %	F, Xi R11-36-67

Full text of each relevant R phrase can be found in heading 16.

### 4. First aid measures

#### General information

Take off immediately all contaminated clothing

#### After inhalation

Following inhalation: Move victim to fresh air. Consult physician.

#### After contact with skin

After contact with skin, wash immediately with plenty of Water and soap.  
Consult physician.

#### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for



## Nano Sealant for Outdoor Glass Surfaces 1-component

Print date: 11.02.2011

Product code: 285

Page 2 of 6

at least 5 minutes. Subsequently consult an ophthalmologist.

### After ingestion

Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect).  
Consult physician.

### Advice to doctor

After ingestion of absorption substances:  
Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

## 5. Fire-fighting measures

### Suitable extinguishing media

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

### Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases

Cool endangered container in case of fire.  
Heating causes rise in pressure with risk of bursting.

### Special protective equipment for fire-fighters

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

## 6. Accidental release measures

### Personal precautions

Wear personal protection equipment.  
Provide adequate ventilation.

### Environmental precautions

Do not empty into drains or the aquatic environment.

### Methods for cleaning up/taking up

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

## 7. Handling and storage

### 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-protected machinery, apparatus, suction equipment, appliances etc.

### Storage

#### Requirements for storage rooms and vessels

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

Storageclass (VCI, D): 3 A

## 8. Exposure controls/personal protection

### Exposure limit values



**Nano Sealant for Outdoor Glass Surfaces 1-component**

Print date: 11.02.2011

Product code: 285

Page 3 of 6

**Exposure limits (EH40)**

CAS No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

**Exposure controls**

**Protective and hygiene measures**

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

**Respiratory protection**

Wear suitable respiratory equipment when: exceeding exposure limits, formation of fumes/aerosols.  
Wear suitable breathing apparatus (filter typ ABEK).

**Hand protection**

Suitable material: Butyl rubber, FKM (Fluoroelastomer (Viton)).  
Material thickness: 0.4 – 0.5 mm  
penetration time >= 480 min In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

**Eye protection**

Tightly sealed safety glasses.

**9. Physical and chemical properties**

**General information**

Physical state: liquid  
Colour: colourless  
Odour: alcoholic

**Important health, safety and environmental information**

	Test method
pH-Value (at 0 °C):	< 2,0 (500 g/l)
<b>Changes in the physical state</b>	
Boiling point:	82 °C
Flash point:	< 21 °C DIN 51755
Lower explosion limits:	2 vol. %
Upper explosion limits:	12 vol. %
Ignition temperature:	425 °C DIN 51794
Vapour pressure: (at 20 °C)	42 hPa
Density (at 20 °C):	0,8 g/cm <sup>3</sup> DIN 51757
Water solubility:	miscible.
Viscosity / dynamic: (at 20 °C)	2 mPa·s DIN 53015

**10. Stability and reactivity**



## Nano Sealant for Outdoor Glass Surfaces 1-component

Print date: 11.02.2011

Product code: 285

Page 4 of 6

### Hazardous decomposition products

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

## 11. Toxicological information

### Acute toxicity

Vapours may cause drowsiness and dizziness.

### Irritation and corrosivity

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

## 12. Ecological information

### Ecotoxicity

Ecotoxicological effects Toxicological data are not available.

## 13. Disposal considerations

### 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.

## 14. Transport information

### Land transport (ADR/RID)

UN number:	1219
ADR/RID class:	3
Classification code:	F1
Warning plate	
Hazard-no.:	33
Hazard label:	3



ADR/RID packing group:	II
Limited quantity:	LQ4
Tunnel restriction code:	D/E

### Description of the goods

ISOPROPANOL (ISOPROPYL ALCOHOL)

### Inland waterways transport

UN number:	1219
ADNR class:	3
Classification code:	F1
Hazard label:	3

**Nano Sealant for Outdoor Glass Surfaces 1-component**

Print date: 11.02.2011

Product code: 285

Page 5 of 6



Packing group: II  
Limited quantity: LQ4

**Description of the goods**  
ISOPROPANOL (ISOPROPYL ALCOHOL)

**Marine transport**

UN number: 1219  
IMDG code: 3  
Marine pollutant: -  
Hazard label: 3



IMDG packing group: II  
EmS: F-E, S-D  
Limited quantity: 1 L

**Description of the goods**  
ISOPROPANOL (ISOPROPYL ALCOHOL)

**Air transport**

UN/ID number: 1219  
ICAO/IATA-DGR: 3  
Hazard label: 3



ICAO packing group: II  
Limited quantity Passenger: 1 L  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

**Description of the goods**  
ISOPROPANOL (ISOPROPYL ALCOHOL)

**15. Regulatory information**

**Labelling**

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable



Xi - Irritant



**Nano Sealant for Outdoor Glass Surfaces 1-component**

Print date: 11.02.2011

Product code: 285

Page 6 of 6

**Hazardous components which must be listed on the label**

2-Propanol

**R phrases**

- 11 Highly flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

**S phrases**

- 02 Keep out of the reach of children.
- 07 Keep container tightly closed.
- 16 Keep away from sources of ignition - No smoking.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 24/25 Avoid contact with skin and eyes.

**National regulatory information**

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

**16. Other information**

**Full text of R-phrases referred to under sections 2 and 3**

- 11 Highly flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and 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.)*