



**Nano Motorbike Sealant**

Print date: 01.12.2011

Product code: 340

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**Product identifier**

Nano Motorbike Sealant

**Relevant identified uses of the substance or mixture and uses advised against**

**Details of the supplier of the safety data sheet**

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

**Further Information**

Article Number 21188

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**

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

**Label elements**

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

**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.

**SECTION 3: Composition/information on ingredients**

**Mixtures**



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**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	80 - 85 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures**

**Description of 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 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.

**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.

**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**

**Extinguishing media**

**Suitable extinguishing media**

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

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

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

**Advice for firefighters**

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

**SECTION 6: Accidental release measures**



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### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.  
Provide adequate ventilation.

### Environmental precautions

Do not empty into drains or the aquatic environment.

### 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.

## SECTION 7: Handling and storage

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

### 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.

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### **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**

Respiratory protection required in case of: Exceeding critical value aerosol or mist generation.  
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.



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**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state: liquid  
Colour: colourless  
Odour: alcoholic

**Test method**

pH-Value (at 0 °C): < 2,0 (500 g/l)

**Changes in the physical state**

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: 42 hPa  
(at 20 °C)  
Density (at 20 °C): 0,8 g/cm<sup>3</sup> DIN 51757  
Water solubility: miscible.  
Viscosity / dynamic: 2 mPa·s DIN 53015  
(at 20 °C)

**SECTION 10: Stability and reactivity**

**Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Vapours may cause drowsiness and dizziness.

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute oral toxicity		LD50	5280 mg/kg	rat.	
	Acute dermal toxicity		LD50	12800 mg/kg	Rabbit.	
	Acute inhalation toxicity		LC50	47,5 mg/l	rat.	4

**Irritation and corrosivity**

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

**SECTION 12: Ecological information**

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**Toxicity**

CAS No.	Chemical name			Method	Dose	Species	h
	Aquatic toxicity						
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol						
	Acute fish toxicity	LC50	9640 mg/l			Pimephales promelas	96
	Acute algae toxicity	ErC50	1000 mg/l			Algae	72
	Acute crustacea toxicity	EC50	13299 mg/l			Daphnia magna	48

**SECTION 13: Disposal considerations**

**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 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)**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 601  
Limited quantity: 1 L  
Transport category: 2  
Hazard-no.: 33  
Tunnel restriction code: D/E

**Inland waterways transport**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



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

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**Marine transport**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



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

**Air transport**

**UN/ID number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: A180  
 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

**Environmental hazards**

Dangerous for the environment: no

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulatory information**

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

**SECTION 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.

**Full text of H-Statements referred to under sections 2 and 3**

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



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**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.

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

## Nano Paintwork & Fairing Sealant

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product identifier

Nano Paintwork & Fairing Sealant

#### Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

hydrophobing- and oleophobic agent  
surface-modifier for bike casings.

#### Details of the supplier of the safety data sheet

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

#### Further Information

Article Number: 21188

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

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

#### Label elements

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

#### 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.

### SECTION 3: Composition/information on ingredients





**Nano Paintwork & Fairing Sealant**

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**Mixtures**

**Chemical characterization**

hydrophobing- and oleophobic agent  
surface-modifier for bike casings.

**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	80 - 85 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures**

**Description of 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 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.

**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.

**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**

**Extinguishing media**

**Suitable extinguishing media**

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

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

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

**Advice for firefighters**

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



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**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.  
Provide adequate ventilation.

**Environmental precautions**

Do not empty into drains or the aquatic environment.

**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.

**SECTION 7: Handling and storage**

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

**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.

**SECTION 8: Exposure controls/personal protection**

**Control parameters**

**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.



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**Eye protection**

Tightly sealed safety glasses.

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state: liquid  
Colour: colourless  
Odour: alcoholic

**Test method**

pH-Value (at 0 °C): < 2,0 (500 g/l)

**Changes in the physical state**

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: 42 hPa  
(at 20 °C)  
Density (at 20 °C): 0,8 g/cm<sup>3</sup> DIN 51757  
Water solubility: miscible.  
Viscosity / dynamic: 2 mPa·s DIN 53015  
(at 20 °C)

**SECTION 10: Stability and reactivity**

**Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Vapours may cause drowsiness and dizziness.

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute oral toxicity		LD50	5280 mg/kg	rat.	
	Acute dermal toxicity		LD50	12800 mg/kg	Rabbit.	
	Acute inhalation toxicity		LC50	47,5 mg/l	rat.	4

**Irritation and corrosivity**

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

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**SECTION 12: Ecological information**

**Toxicity**

CAS No.	Chemical name			Species	h
	Aquatic toxicity	Method	Dose		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Acute fish toxicity	LC50	9640 mg/l	Pimephales promelas	96
	Acute algae toxicity	ErC50	1000 mg/l	Algae	72
	Acute crustacea toxicity	EC50	13299 mg/l	Daphnia magna	48

**SECTION 13: Disposal considerations**

**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 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)**


**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 601  
Limited quantity: 1 L  
Transport category: 2  
Hazard-no.: 33  
Tunnel restriction code: D/E

**Inland waterways transport**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1

### Nano Paintwork & Fairing Sealant

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Special Provisions: 601  
Limited quantity: 1 L

#### Marine transport

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



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

#### Air transport

**UN/ID number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Special Provisions: A180  
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

#### Environmental hazards

Dangerous for the environment: no

### SECTION 15: Regulatory information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulatory information

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

### SECTION 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.

#### Full text of H-Statements referred to under sections 2 and 3

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



**Safety Data Sheet**  
according to Regulation (EU) No. 1907/2006  
**care**  
**max**



**Nano Paintwork & Fairing Sealant**

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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.

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



**Nano Visor Sealant**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**Product identifier**

Nano Visor Sealant

**Relevant identified uses of the substance or mixture and uses advised against**

**Details of the supplier of the safety data sheet**

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

**Further Information**

Article Number: 21188

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**

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

**Label elements**

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

**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.

**SECTION 3: Composition/information on ingredients**

**Mixtures**



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**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	80 - 85 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures**

**Description of 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 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.

**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**

**Extinguishing media**

**Suitable extinguishing media**

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

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

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

**Advice for firefighters**

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

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.  
Provide adequate ventilation.





**Nano Visor Sealant**

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**Environmental precautions**

Do not empty into drains or the aquatic environment.

**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.

**SECTION 7: Handling and storage**

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

**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.

**SECTION 8: Exposure controls/personal protection**

**Control parameters**

**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**

Respiratory protection required in case of: Exceeding critical value aerosol or mist generation.  
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.



**Nano Visor Sealant**

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**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state: liquid  
Colour: colourless  
Odour: alcoholic

**Test method**

pH-Value (at 0 °C): < 2,0 (500 g/l)

**Changes in the physical state**

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: 42 hPa  
(at 20 °C)  
Density (at 20 °C): 0,8 g/cm<sup>3</sup> DIN 51757  
Water solubility: miscible.  
Viscosity / dynamic: 2 mPa·s DIN 53015  
(at 20 °C)

**SECTION 10: Stability and reactivity**

**Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Vapours may cause drowsiness and dizziness.

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute oral toxicity		LD50	5280 mg/kg	rat.	
	Acute dermal toxicity		LD50	12800 mg/kg	Rabbit.	
	Acute inhalation toxicity		LC50	47,5 mg/l	rat.	4

**Irritation and corrosivity**

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

**SECTION 12: Ecological information**

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**Toxicity**

CAS No.	Chemical name	Method	Dose	Species	h
	Aquatic toxicity				
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Acute fish toxicity	LC50	9640 mg/l	Pimephales promelas	96
	Acute algae toxicity	ErC50	1000 mg/l	Algae	72
	Acute crustacea toxicity	EC50	13299 mg/l	Daphnia magna	48

**SECTION 13: Disposal considerations**

**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 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)**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 601  
Limited quantity: 1 L  
Transport category: 2  
Hazard-no.: 33  
Tunnel restriction code: D/E

**Inland waterways transport**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



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

**Nano Visor Sealant**

Print date: 01.12.2011

Product code: 217

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**Marine transport**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



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

**Air transport**

**UN/ID number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: A180  
 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

**Environmental hazards**

Dangerous for the environment: no

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulatory information**

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

**SECTION 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.

**Full text of H-Statements referred to under sections 2 and 3**

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



**Nano Visor Sealant**

Print date: 01.12.2011

Product code: 217

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**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.

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



**Nano Wheel Rim Sealant**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**Product identifier**

Nano Wheel Rim Sealant

**Relevant identified uses of the substance or mixture and uses advised against**

**Details of the supplier of the safety data sheet**

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

**Further Information**

Article Number: 21147, 21183, 21188

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**

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

**Label elements**

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

**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.

**SECTION 3: Composition/information on ingredients**

**Mixtures**



**Nano Wheel Rim Sealant**

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**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	80 - 85 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures**

**Description of 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 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.

**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**

**Extinguishing media**

**Suitable extinguishing media**

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

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

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

**Advice for firefighters**

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

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.  
Provide adequate ventilation.



## Nano Wheel Rim Sealant

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### Environmental precautions

Do not empty into drains or the aquatic environment.

### 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.

## SECTION 7: Handling and storage

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

### 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.

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### **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**

Respiratory protection required in case of: Exceeding critical value aerosol or mist generation.  
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.





**Nano Wheel Rim Sealant**

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**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state: liquid  
Colour: colourless  
Odour: alcoholic

**Test method**

pH-Value (at 0 °C): < 2,0 (500 g/l)

**Changes in the physical state**

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: 42 hPa  
(at 20 °C)  
Density (at 20 °C): 0,8 g/cm<sup>3</sup> DIN 51757  
Water solubility: miscible.  
Viscosity / dynamic: 2 mPa·s DIN 53015  
(at 20 °C)

**SECTION 10: Stability and reactivity**

**Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Vapours may cause drowsiness and dizziness.

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute oral toxicity		LD50	5280 mg/kg	rat.	
	Acute dermal toxicity		LD50	12800 mg/kg	Rabbit.	
	Acute inhalation toxicity		LC50	47,5 mg/l	rat.	4

**Irritation and corrosivity**

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

**SECTION 12: Ecological information**

**Nano Wheel Rim Sealant**

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**Toxicity**

CAS No.	Chemical name	Method	Dose	Species	h
	Aquatic toxicity				
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Acute fish toxicity	LC50	9640 mg/l	Pimephales promelas	96
	Acute algae toxicity	ErC50	1000 mg/l	Algae	72
	Acute crustacea toxicity	EC50	13299 mg/l	Daphnia magna	48

**SECTION 13: Disposal considerations**

**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 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)**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 601  
 Limited quantity: 1 L  
 Transport category: 2  
 Hazard-no.: 33  
 Tunnel restriction code: D/E

**Inland waterways transport**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



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

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**Marine transport**

**UN number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



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

**Air transport**

**UN/ID number:** UN1219  
**UN proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: A180  
 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

**Environmental hazards**

Dangerous for the environment: no

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulatory information**

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

**SECTION 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.

**Full text of H-Statements referred to under sections 2 and 3**

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



**Nano Wheel Rim Sealant**

Print date: 01.12.2011

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**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.

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