



Nano Wheel Rim Sealant

Print date : 27.05.2008

Product code : 215

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Nano Wheel Rim Sealant

Company/undertaking identification

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Further Information

Article Number: 21147, 21183, 21188

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 (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-661-7	67-63-0	isopropanol, isopropyl alcohol, propan-2-ol	>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 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.



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5. Fire-fighting measures

Suitable extinguishing media

Water fog.
alcohol resistant foam.
Carbon dioxide (CO₂).
Extinguishing powder.

Special exposure hazards arising from substance or preparation 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) : 3 A

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

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

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.
- 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.

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

Other information

Ignition temperature :	425 °C DIN 51794
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10. Stability and reactivity

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.



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Corrosive and irritant effects

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 : F 1
Warning plate
Hazard-no. : 33
Hazard label : 3
ADR/RID packing group : II
Limited quantity : 3 I

Description of the goods

ISOPROPANOL (ISOPROPYL ALCOHOL)

Inland waterways transport

UN number : 1219
ADNR class : 3
Classification code : II

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 I

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 I

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IATA-packing instructions - Passenger :	305
IATA-max. quantity - Passenger :	5 l
IATA-packing instructions - Cargo :	307
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

Hazardous component(s) to be indicated on 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.)