Trade name: Nano-Glasversiegelung (K2) Product no.: 203999 Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

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

## 1.1 Product identifier

Trade name

## Nano-Glasversiegelung (K2)

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

sealing Uses advised against

No data available.

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

Address

Koch-Chemie GmbH Einsteinstr. 42 D-59423 Unna Telephone no. +49-2303-9 86 70-0 Fax no. +49-2303-9 86 70-26

Advice on Safety Data Sheet

sdb\_info@umco.de

#### 1.4 Emergency telephone number

For medical advice (in German and English): +49 (0)551 192 40 (Giftinformationszentrum Nord) For information in the event of an emergency during transport: +44 1865 407333

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336

#### **Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

## Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

#### Hazard pictograms



Signal word Danger

Hazardous component(s) to be indicated on label:

Trade name: Nano-Glasversiegelung (K2) Product no.: 203999

Current version : 1.0.0, issued: 23.0	9.2020 Replaced version: -, issued: - Region:
propan-2-ol	
Hazard statement(s)	
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
Precautionary stateme	ent(s)
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. N smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

#### 2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

#### vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

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

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 **Mixtures**

#### Hazardous ingredients

No	Substance name		Add	itional information	on	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Con	centration		%
	REACH no					
1	propan-2-ol					
	67-63-0	Eye Irrit. 2; H319	<	100.00		%-b.w.
	200-661-7	Flam. Liq. 2; H225				
	603-117-00-0	STOT SE 3; H336				
	01-2119457558-25					
2	dodecane					
	112-40-3	Asp. Tox. 1; H304	>=	5.00 - <	10.00	%-b.w.
	203-967-9					
	-					
	01-2119486573-28					
Full	Text for all H-phrases	and EUH-phrases: pls. see section 16				

## **SECTION 4: First aid measures**

4.1 Description of first aid measures

**General information** 

#### Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

#### After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration.

#### After skin contact

Wash immediately with plenty of water for several minutes.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

#### After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

# **4.2 Most important symptoms and effects, both acute and delayed** No data available.

#### **4.3 Indication of any immediate medical attention and special treatment needed** No data available.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet; Alcohol-resistant foam; Carbon dioxide; Extinguishing powder

#### Unsuitable extinguishing media High power water jet

## 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. Keep away from ignition sources. Do not inhale vapours.

#### For emergency responders

Personal protective equipment (PPE) - see section 8.

#### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

#### 6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

#### 6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

## **SECTION 7: Handling and storage**

#### Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

## 7.1 Precautions for safe handling

#### Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Remove contaminated clothing and shoes and launder thoroughly before reusing. Provide eye wash fountain in work area.

#### Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

#### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

#### Incompatible products

Substances to be avoided, see section 10.

#### 7.3 Specific end use(s)

#### No data available.

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

#### 8.1 Control parameters

## **Occupational exposure limit values**

No	Substance name	CAS no.		EC no.	
1	propan-2-ol	67-63-0		200-661-	7
	List of approved workplace exposure limits (WE	Ls) / EH40			
	Propan-2-ol				
	WEL short-term (15 min reference period)	1250	mg/m³	500	ppm
	WEL long-term (8-hr TWA reference period)	999	mg/m³	400	ppm

## **DNEL, DMEL and PNEC values**

#### **DNEL** values (worker)

No	Substance name			CAS / EC no	1
	Route of exposure	Exposure time	Effect	Value	
1	propan-2-ol			67-63-0	
				200-661-7	
	dermal	Long term (chronic)	systemic	888	mg/kg/day
	inhalative	Long term (chronic)	systemic	500	mg/m³

#### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	propan-2-ol			67-63-0	
				200-661-7	
	oral	Long term (chronic)	systemic	26	mg/kg/day
	dermal	Long term (chronic)	systemic	319	mg/kg/day
	inhalative	Long term (chronic)	systemic	89	mg/m³

Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

ю	Substance name		CAS / EC	no
	ecological compartment	Туре	Value	
1	propan-2-ol		67-63-0 200-661-7	,
	water	fresh water	140.9	mg/L
	water	Aqua intermittent	140.9	mg/L
	water	marine water	140.9	mg/L
	water	fresh water sediment	552	mg/L
	water	marine water sediment	552	mg/L
	soil	-	28	mg/kg
	sewage treatment plant	-	2251	mg/L
	secondary poisoning	-	160	mg/kg
	with reference to: food		·	
2	dodecane		112-40-3	
			203-967-9	
	water	fresh water	0.96	µg/L
	water	marine water	0.93	µg/L
	water	Aqua intermittent	3.7	µg/L
	water	fresh water sediment	2	mg/kg dry
				weight
	water	marine water sediment	2	mg/kg dry
				weight
	soil	-	0.81	mg/kg dry
				weight
	sewage treatment plant	-	14	µg/L

#### 8.2 Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

#### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Filter A or environment-independent breathing apparatus.

#### Eye / face protection

Safety glasses with side protection shield (EN 166)

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness		0.5	mm
Appropriate Material	fluorintated rubber		
Material thickness		0.4	mm
Breakthrough time	>=	480	min

#### Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

Trade name: Nano-Glasversiegelung (K2)				
Product no.: 203999	Poplaced versi	<b></b> ioo	ued	Pagion: CP
Current version : 1.0.0, issued: 23.09.2020	Replaced versi	on: -, ISSI	ueu	Region: GB
SECTION 9: Physical and chemical pro	operties			
9.1 Information on basic physical and ch		e		
Form/Colour		3		
liquid				
colourless				
Odour				
alcohol-like				
Odour threshold No data available				
pH value				
Value	2.3 -	3.2		
Boiling point / boiling range	•			
Value		82	°C	
Method Reference substance	DIN 51356 2-propanol			
Melting point / melting range				
No data available				
Decomposition point / decomposition range	•			
No data available				
Flash point Value	1	12.5	°C	
Method	DIN EN ISO 1373	-	0	
Auto-ignition temperature				
No data available				
Oxidising properties				
not oxidizing				
Explosive properties This product is not explosive. In and after use of	langer of production	of inflar	mmable compounds.	
Flammability (solid, gas)	5 1		I	
No data available				
Lower flammability or explosive limits				
Value Reference substance	2-propanol	2	% vol	
Upper flammability or explosive limits				
Value		12	% vol	
Reference substance	2-propanol			
Vapour pressure		40	LD-	
Value Reference temperature		42 20	hPa °C	
Reference substance	2-propanol			
Vapour density				
No data available				
Evaporation rate No data available				
Relative density				
No data available				

#### Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

Dens	sity					
Value	)		0.79	g/cm³		
Refe	rence temperature		20	°C		
Meth	od	DIN 51757				
Solu	bility in water					
	•	minaible				
Com	ments	miscible				
Solu	bility(ies)					
No d	ata available					
Parti	tion coefficient: n-octanol/water					
No	Substance name		CAS no.		EC no.	
	propan-2-ol		67-63-0		200-661-7	
log P	OW			0.05		
Refe	rence temperature			25	°C	
Sour	ce	ECHA				
Visc	ocity					
			2.5			
Value			2.5	mPa*s		
	rence temperature		20	°C		
Туре		dynamic				
Meth		DIN 53015				

#### 9.2 Other information

Other information	
No data available.	

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

## 10.3 Possibility of hazardous reactions

None, when used as directed.

#### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources. Static discharges.

# **10.5** Incompatible materials strong oxidizing agents

**10.6 Hazardous decomposition products** No hazardous decomposition products known.

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

Acu	te oral toxicity		
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LD5	0		5840 mg/kg bodyweight
Spee	cies	rat	
Meth	nod	OECD 401	
Sou	ce	ECHA	
Eval	uation/classification	Based on available data, the	classification criteria are not met.

### Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

	data available		
Acu	te inhalational toxicity		
	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
_C5	0	>	10000 ppmV
	ation of exposure		6 h
	e of aggregation	Vapour	
	cies	rat	
	hod	OECD 403	
		ECHA	
_va	luation/classification	Based on available data, the	e classification criteria are not met
_	n corrosion/irritation		
		CAS no.	EC no.
 }	propan-2-ol	67-63-0	200-661-7
	cies	rabbit ECHA	
	rce luation	non-irritant	
	luation		e classification criteria are not met
-	ious eye damage/irritation Substance name		EC no.
<u>No</u> 1	propan-2-ol	CAS no. 67-63-0	200-661-7
-	cies	rabbit	200-001-7
	hod	OECD 405	
	rce	ECHA	
	luation	irritant	
	luation/classification	Based on available data, the	
-va			e classification criteria are met.
			classification criteria are met.
Res	piratory or skin sensitisation		
Res No	piratory or skin sensitisation Substance name	CAS no.	EC no.
Res No I	piratory or skin sensitisation Substance name propan-2-ol	CAS no. 67-63-0	
Res No I Rou	piratory or skin sensitisation Substance name propan-2-ol te of exposure	CAS no. 67-63-0 Skin	EC no.
Res No I Rou Spe	piratory or skin sensitisation Substance name propan-2-ol	CAS no. 67-63-0	EC no.
<b>Res</b> No I Rou Spe Met	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies	CAS no. 67-63-0 Skin guinea pig	EC no.
<b>Res</b> <b>No</b> I Rou Spe Met Sou	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod	CAS no. 67-63-0 Skin guinea pig OECD 406	EC no.
<b>Res</b> No Rou Spe Met Sou Eva	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing	EC no.
<b>Res</b> No Rou Spe Met Sou Eva Eva	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing	EC no. 200-661-7
Res No Rou Spe Met Sou Eva Eva	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing	EC no. 200-661-7
Res No Rou Spe Met Sou Eva Eva Eva	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the	EC no. 200-661-7 e classification criteria are not met
Res No Rou Spe Met Sou Eva Eva <b>Ger</b> No	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no.	EC no. 200-661-7 e classification criteria are not met EC no.
Res No Rou Spe Met Sou Eva Eva Ser No	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no.
Res No Rou Spe Met Sou Eva Eva Eva Sou Sou Eva	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7
Res No I Rou Spe Met Sou Eva Sou Eva Sou Eva Rep	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7
Res No I Rou Spe Met Sou Eva Sou Eva Rep No o	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classification	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7
Res No Rou Spe Met Sou Eva Eva Sou Sou Rep No Car	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classification rce luation/classification cinogenicity	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7
Res No No Spe Met Sou Eva Sou Eva Rep No Car	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classification cinogenicity data available cinogenicity data available	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7
Res No Rou Spe Met Sou Eva Sou Sou Sou Sou Sou Sou Sou Sou Sou Sou	piratory or skin sensitisation Substance name propan-2-ol te of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classif	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7
Res No Eva Eva Eva Bou Eva Rep No Car No Car	piratory or skin sensitisation Substance name propan-2-ol tte of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classification cinogenicity data available cinogenicity data available DT - single exposure data available	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7
Res No Action Speed Met Sou Eva Sou Eva Sou Eva Car No Car No Car STC	piratory or skin sensitisation Substance name propan-2-ol tte of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classi	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA Based on available data, the	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7 e classification criteria are not met
Res No I Rou Spe Met Sou Eva Ger No Car No Car No Car No Car No Car No Car No Car No Car	piratory or skin sensitisation Substance name propan-2-ol tte of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classi	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA Based on available data, the Based on available data, the	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7 e classification criteria are not met EC no.
Res No I Rou Spe Va Eva Eva Sou Eva Sou Eva Sou Car No Car No Car No Car No Car	piratory or skin sensitisation Substance name propan-2-ol tte of exposure cies hod rce luation luation/classification m cell mutagenicity Substance name propan-2-ol rce luation/classification rce luation/classi	CAS no. 67-63-0 Skin guinea pig OECD 406 ECHA non-sensitizing Based on available data, the CAS no. 67-63-0 ECHA Based on available data, the	EC no. 200-661-7 e classification criteria are not met EC no. 200-661-7 e classification criteria are not met

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## Trade name: Nano-Glasversiegelung (K2)

#### Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

Evaluation/classification

Based on available data, the classification criteria are not met.

Aspiration hazard

No data available

## **SECTION 12: Ecological information**

### 12.1 Toxicity

Toxicity to fish (acute)				
No	Substance name	CAS no.		EC no.
1	propan-2-ol	67-63-0		200-661-7
LC5			9640	mg/l
	ation of exposure		96	h
Spe		Pimephales promelas		
Met		OECD 203		
Sou	rce	ECHA		
Tox	icity to fish (chronic)			
No	data available			
Тох	icity to Daphnia (acute)			
	Substance name	CAS no.		EC no.
1	propan-2-ol	67-63-0		200-661-7
EC5		>	10000	mg/l
	ation of exposure		24	h
Spe		Daphnia magna		
Met		OECD 202		
Sou	rce	ECHA		
Тох	icity to Daphnia (chronic)			
No o	data available			
Тох	icity to algae (acute)			
No data available				
Toxicity to algae (chronic)				
No data available				
Bacteria toxicity				
No	data available			

## 12.2 Persistence and degradability

	Biodegradability				
No	Substance name	CAS no.		EC no.	
1	propan-2-ol	67-63-0		200-661-7	
Туре	)	BOD/COD			
Valu	e		53	%	
Dura	Ition		5	day(s)	
Sour	ce	ECHA			
Eval	uation	readily biodegradable			

#### 12.3 Bioaccumulative potential

Part	Partition coefficient: n-octanol/water			
No	Substance name	CAS no.		EC no.
1	propan-2-ol	67-63-0		200-661-7
log F	Pow		0.05	
Refe	erence temperature		25	°C
Sour	ce	ECHA		

## 12.4 Mobility in soil

## Trade name: Nano-Glasversiegelung (K2) Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

No data available.

## 12.5 Results of PBT and vPvB assessment

PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

## 12.6 Other adverse effects

No data available.

### 12.7 Other information

## Other information

Do not discharge product unmonitored into the environment.

## **SECTION 13: Disposal considerations**

13.1 Waste treatment methods

No data available.

### **SECTION 14: Transport information**

#### 14.1 Transport ADR/RID/ADN

Class Classification code Packing group Hazard identification no. UN number Proper shipping name Tunnel restriction code	3 F1 II 33 UN1219 ISOPROPANOL solution D/E
Label	3
Transport IMDG Class	3

## 14.2

Class	3
Packing group	II
UN number	UN1219
Proper shipping name	ISOPROPANOL solution
EmS	F-E, S-D
Label	3

## 14.3 Transport ICAO-TI / IATA

Class	3
Packing group	II
UN number	UN1219
Proper shipping name	Isopropanol solution
Label	3

## 14.4 Other information

No data available.

#### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

#### Product no.: 203999

Current version : 1.0.0, issued: 23.09.2020

Replaced version: -, issued: -

Region: GB

No data available.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not relevant

### **SECTION 15: Regulatory information**

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

#### Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON			
THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES			
The product is considered being subject to REACH regulation (EC) 1907/2006 annex No 3, 40			
XVII.			

Directive 2012/18/EUon the control of major-accident hazards involving dangerous substancesThis product is subject to Part I of Annex I, risk category:P5b

#### Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product. Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

#### 15.2 Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

## **SECTION 16: Other information**

#### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

## Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H304

May be fatal if swallowed and enters airways.

#### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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## EU safety data sheet

## KochChemie<sup>°</sup> ExcellenceForExperts.

Trade name: Nano-Glasversiegelung (K2) Product no.: 203999 Current version : 1.0.0, issued: 23.09.2020

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