

Page 1 of 17 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 01.11.2021 / 0018 Replacing version dated / version: 22.04.2021 / 0017 Valid from: 01.11.2021 PDF print date: 01.11.2021 Keramikpaste (Pinseldose)

# Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

# **1.1 Product identifier**

(GB)

# Keramikpaste (Pinseldose)

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture: Lubricant Uses advised against: No information available at present.

# 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH Jerg-Wieland-Str. 4 89081 Ulm-Lehr Tel.: (+49) 0731-1420-0 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

# 1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies: +49 (0) 700 / 24 112 112 (LMR) +1 872 5888271 (LMR)

# **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

1 1

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	
Aerosol	
Aerosol	

Hazard category

Hazard statement H222-Extremely flammable aerosol. H229-Pressurised container: May burst if heated.

2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)





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#### Danger

H222-Extremely flammable aerosol. H229-Pressurised container: May burst if heated.

P102-Keep out of reach of children.

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211-Do not spray on an open flame or other ignition source. P251-Do not pierce or burn, even after use. P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

EUH211-Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Without adequate ventilation, formation of explosive mixtures may be possible.

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0, 1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

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

# 3.1 Substances

#### n.a. 3.2 Mixtures

Titanium dioxide (in powder form containing 1 % or more of particles	
with aerodynamic diameter <= 10 μm)	
Registration number (REACH)	01-2119489379-17-XXXX
Index	022-006-002
EINECS, ELINCS, NLP, REACH-IT List-No.	236-675-5
CAS	13463-67-7
content %	1-<2,5
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Carc. 2, H351 (as inhalation)
Disodium sebacate	
Registration number (REACH)	01-2120762063-61-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	241-300-3
CAS	17265-14-4
content %	1-<2,5
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Eye Irrit. 2, H319

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

# **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.



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### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

#### 4.3 Indication of any immediate medical attention and special treatment needed

n.c.

# SECTION 5: Firefighting measures

#### 5.1 Extinguishing media Suitable extinguishing media

CO2 Extinction powder Water jet spray Large fire:

Water jet spray Alcohol resistant foam

# Unsuitable extinguishing media

High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon Toxic gases

Danger of bursting (explosion) when heated

# 5.3 Advice for firefighters

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

# **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

# 6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition. Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

# 6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

# 6.2 Environmental precautions

Prevent surface and ground-water infiltration, as well as ground penetration.

Do not pour down the drain undiluted.

# 6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to Section 13. Or:

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.



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# 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

# **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

# 7.1 Precautions for safe handling

# 7.1.1 General recommendations

Ensure good ventilation.

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

Use working methods according to operating instructions.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Keep out of access to unauthorised individuals. Store product closed and only in original packing. Not to be stored in gangways or stair wells. Observe special storage conditions. Keep protected from direct sunlight and temperatures over 50°C.

# 7.3 Specific end use(s)

No information available at present.

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

# 8.1 Control parameters

Chemical Name	Titanium dioxide (i aerodynamic diam	n powder form containing 1 % or n eter <= 10 μm)	nore of particles with		Content %:1-<2,5
WEL-TWA: 10 mg/m3 (total inhalal (respirable dust)					
Monitoring procedures:	-				
BMGV:			Other information: -		
Chemical Name	Butane				Content %:
WEL-TWA: 600 ppm (1450 mg/m3	5)	WEL-STEL: 750 ppm (1810 m	ng/m3)		
Monitoring procedures:	- (	Compur - KITA-221 SA (549 459)			
	- (	OSHA PV2010 (n-Butane) - 1993			
BMGV:			Other information: -		
Chemical Name	Propane				Content %:
WEL-TWA: 1000 ppm (ACGIH)	•	WEL-STEL:			
Monitoring procedures:	- (	Compur - KITA-125 SA (549 954)		*	
	- (	OSHA PV2077 (Propane) - 1990			
BMGV:			Other information: -		
Chemical Name	Isobutane				Content %:
WEL-TWA: 1000 ppm (EX) (ACGI	H)	WEL-STEL:			
Monitoring procedures:		Compur - KITA-113 SB(C) (549 36	8)		
BMGV:			Other information: -		
Chemical Name	Silicon dioxide - an	norphous			Content %:
WEL-TWA: 6 mg/m3 (total inh. dus		WEL-STEL:			
(resp. dust)	,				
Monitoring procedures:	-			·	
BMGV:			Other information: -		
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Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 $\mu$ m)									
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note			
	Environment - freshwater		PNEC	0,184	mg/l				
	Environment - marine		PNEC	0,0184	mg/l				
	Environment - water, sporadic (intermittent) release		PNEC	0,193	mg/l				
	Environment - sewage treatment plant		PNEC	100	mg/l				
	Environment - sediment, freshwater		PNEC	1000	mg/kg dw				
	Environment - sediment, marine		PNEC	100	mg/kg dw				
	Environment - soil		PNEC	100	mg/kg dw				
	Environment - oral (animal feed)		PNEC	1667	mg/kg feed				
Consumer	Human - oral	Long term, systemic effects	DNEL	700	mg/kg bw/d				
Workers / employees	Human - inhalation	Long term, local effects	DNEL	10	mg/m3				

Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - freshwater		PNEC	0,018	mg/l	
	Environment - marine		PNEC	0,002	mg/l	
	Environment - sediment,		PNEC	0,548	mg/kg	
	freshwater					
	Environment - sediment,		PNEC	0,055	mg/kg	
	marine					
	Environment - soil		PNEC	0,099	mg/kg	
	Environment - sewage		PNEC	10	mg/l	
	treatment plant				-	
Consumer	Human - oral	Long term, systemic	DNEL	5	mg/kg	
		effects			bw/day	
Consumer	Human - dermal	Long term, systemic	DNEL	5	mg/kg	
		effects			bw/day	
Consumer	Human - inhalation	Long term, systemic	DNEL	8,7	mg/m3	
		effects				
Industrial / commercial	Human - inhalation	Long term, systemic	DNEL	35,26	mg/m3	
		effects				
Industrial / commercial	Human - dermal	Long term, systemic	DNEL	10	mg/kg	
		effects			bw/day	

Propene	Propene								
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note			
	Environmental								
	compartment								
	Environment - freshwater		PNEC	1,38	mg/l				
	Environment - marine		PNEC	1,38	mg/l				
Workers / employees	Human - inhalation	Short term, local effects	DNEL	860	mg/m3				
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	860	mg/m3				

Zinc sulphide



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Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	20,6	µg/l	
	Environment - marine		PNEC	6,1	µg/l	
	Environment - sediment, freshwater		PNEC	117,8	mg/kg dry weight	
	Environment - sediment, marine		PNEC	56,5	mg/kg dry weight	
	Environment - soil		PNEC	35,5	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	100	µg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	2,5	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	83	mg/kg bw/day	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,83	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	5	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	83	mg/kg bw/day	

Silicon dioxide - amorphous								
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note		
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	4	mg/m3			

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

# 8.2 Exposure controls

# 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigation of the sector of the s

investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

# 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.



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Eye/face protection: With danger of contact with eyes. Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm: >= 0,5 Permeation time (penetration time) in minutes: 480 Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection: Normally not necessary.

Thermal hazards: Not applicable

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Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

# 8.2.3 Environmental exposure controls

No information available at present.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Physical state: Liquid The propellant is not released when used in accordance with the regulations. Colour: White Characteristic Odour: Melting point/freezing point: There is no information available on this parameter. Boiling point or initial boiling point and boiling range: There is no information available on this parameter. Flammability: Does not apply to aerosols. Lower explosion limit: There is no information available on this parameter. Upper explosion limit: There is no information available on this parameter. Does not apply to aerosols. Flash point: Auto-ignition temperature: Does not apply to aerosols. Decomposition temperature: There is no information available on this parameter. pH: Mixture is non-soluble (in water). Kinematic viscosity: Does not apply to aerosols. Solubility: Insoluble Partition coefficient n-octanol/water (log value): Does not apply to mixtures. Vapour pressure: There is no information available on this parameter. Density and/or relative density: 1,08 g/cm3 (20°C) Relative vapour density: Does not apply to aerosols. Particle characteristics: Does not apply to aerosols. 9.2 Other information Explosives: Product is not explosive. Oxidising liquids: No Bulk density: n.a.



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# **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

The product has not been tested.

10.2 Chemical stability

# Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

# No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7. Heating, open flame, ignition sources Pressure increase will result in danger of bursting.

### **10.5 Incompatible materials**

See also section 7. Avoid contact with strong oxidizing agents.

# 10.6 Hazardous decomposition products

See also section 5.2 No decomposition when used as directed.

# **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

Keramikpaste (Pinseldose)

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity -						n.d.a.
single exposure (STOT-SE):						
Specific target organ toxicity -						n.d.a.
repeated exposure (STOT-RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 425 (Acute Oral	
					Toxicity - Up-and-Down	
					Procedure)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LD50	>6,8	mg/l/4h	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant,
					Irritation/Corrosion)	Mechanical
						irritation possible.
Respiratory or skin				Mouse	OECD 429 (Skin	Not sensitizising
sensitisation:					Sensitisation - Local	_
					Lymph Node Assay)	



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Respiratory or skin				Guinea pig	OECD 406 (Skin	No (skin contact
sensitisation:					Sensitisation)	
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian	Negative
					Erythrocyte	
					Micronucleus Test)	
Germ cell mutagenicity:				Mammalian	OECD 473 (In Vitro	Negative
					Mammalian	
					Chromosome	
<u> </u>					Aberration Test)	
Germ cell mutagenicity:				Salmonella	(Ames-Test)	Negative
<u> </u>				typhimurium		
Germ cell mutagenicity:					OECD 476 (In Vitro	Negative
					Mammalian Cell Gene	
					Mutation Test)	Manathia
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Denne du stive terrisitu				Rat		No indications o
Reproductive toxicity				Rat	OECD 414 (Prenatal	such an effect.
(Developmental toxicity):					Developmental Toxicity Study)	such an ellect.
Specific target organ toxicity -					Study)	Not irritant
single exposure (STOT-SE):						(respiratory tract
Symptoms:						mucous
Gymptoms.						membrane
						irritation.
						coughing.
						respiratory
						distress, drying
						of the skin.
Specific target organ toxicity -	NOAEL	3500	mg/kg/d	Rat		90d
repeated exposure (STOT-RE),		2000				
oral:						
Specific target organ toxicity -	NOAEC	10	mg/m3	Rat		90d
repeated exposure (STOT-RE),						
inhalat.:						

Disodium sebacate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral	
					Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute	
					Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:					OECD 492	Eye Irrit. 2
					(Reconstructed Human	
					Cornea-like Epithelium	
					Not Requir. C. + L. for	
					Eye Irrit./Dam.)	

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
				typhimurium	Reverse Mutation Test)	_
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative
					Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:				Human being	OECD 473 (In Vitro	Negative
				-	Mammalian	_
					Chromosome	
					Aberration Test)	



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Germ cell mutagenicity:				Rat	OECD 474 (Mammalian	Negative
					Erythrocyte	
					Micronucleus Test)	
Aspiration hazard:						No
Symptoms:						ataxia, breathing difficulties, drowsiness, unconsciousness, , frostbite, disturbed heart rhythm, headaches, cramps, intoxication, dizziness, nausea and vomiting.
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	21,394	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	- containing.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Acute toxicity, by inhalation:	LC50	260000	ppmV/4h	Rat		Gasses, Male,
						Analogous
						conclusion
Skin corrosion/irritation:						Not irritant
Serious eye damage/irritation:						Not irritant
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
0, 1				typhimurium	Reverse Mutation Test)	0
Reproductive toxicity (Developmental toxicity):	NOAEC	21,641	mg/l		OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Aspiration hazard:					<b>9</b> /	No
Symptoms:	NOASI	2.044		Det		breathing difficulties, unconsciousnes , frostbite, headaches, cramps, mucou membrane irritation, dizziness, nausea and vomiting.
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	7,214	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	LOAEL	21,641	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	



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Isobutane						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Acute toxicity, by inhalation:	LC50	260000	ppmV/4h	Rat		Gasses, Male
Serious eye damage/irritation:				Rabbit		Not irritant
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
				typhimurium	Reverse Mutation Test)	-
Aspiration hazard:						No
Symptoms:						unconsciousness , frostbite, headaches, cramps, dizziness, nausea and vomiting.
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	21,394	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	

Silicon dioxide - amorphous						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	IUCLID Chem. Data Sheet (ESIS)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	IUCLID Chem. Data Sheet (ESIS)	Not sensitizising
Germ cell mutagenicity:				Salmonella typhimurium	(Ames-Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:	NOAEL	>497	mg/kg bw/d			No indications of such an effect.
Aspiration hazard:						No
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	0,035	mg/l			Negative

# 11.2. Information on other hazards

Keramikpaste (Pinseldose)						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Endocrine disrupting properties:						Does not apply
						to mixtures.
Other information:						No other
						relevant
						information
						available on
						adverse effects
						on health.

SECTION 12: Ecological information									
Possibly more information on environmental effects, see Section 2.1 (classification).									
Keramikpaste (Pinseld				(					
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes		



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PDF print date: 01.11.202							
Keramikpaste (Pinseldose	e)						
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and							n.d.a.
degradability:							
12.3. Bioaccumulative							n.d.a.
potential:							
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							
12.6. Endocrine							Does not apply
disrupting properties: 12.7. Other adverse							to mixtures.
effects:							available on
							other adverse
							effects on the
							environment.
Other information:							According to the
							recipe, contains
							no AOX.
							no ÁOX.
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	
Toxicity / effect					Organism Oncorhynchus	Test method OECD 203 (Fish,	no ÁOX.
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method OECD 203 (Fish, Acute Toxicity	no ÁOX.
Toxicity / effect 12.1. Toxicity to fish:	Endpoint LC50	<b>Time</b> 96h	<b>Value</b> >100	Unit mg/l	Organism Oncorhynchus mykiss	Test method OECD 203 (Fish, Acute Toxicity Test)	no ÁOX.
Toxicity / effect 12.1. Toxicity to fish:	Endpoint LC50	Time	Value	Unit	Organism Oncorhynchus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202	no ÁOX.
Toxicity / effect 12.1. Toxicity to fish:	Endpoint LC50	<b>Time</b> 96h	<b>Value</b> >100	Unit mg/l	Organism Oncorhynchus mykiss	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp.	no ÁOX.
<b>Titanium dioxide (in pov</b> <b>Toxicity / effect</b> 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50	<b>Time</b> 96h	<b>Value</b> >100	Unit mg/l	Organism Oncorhynchus mykiss	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute	no ÁOX.
Toxicity / effect 12.1. Toxicity to fish:	Endpoint LC50	<b>Time</b> 96h	<b>Value</b> >100	Unit mg/l	Organism Oncorhynchus mykiss	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp.	no ÁOX.
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50	<b>Time</b> 96h	<b>Value</b> >100	Unit mg/l	Organism Oncorhynchus mykiss	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation	no ÁOX.
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	Endpoint LC50 LC50	Time96h48h	Value           >100           >100	Unit mg/l mg/l	Organism Oncorhynchus mykiss Daphnia magna	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test)	Notes
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and	Endpoint LC50 LC50	Time96h48h	Value           >100           >100	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Notes Not relevant for
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and	Endpoint LC50 LC50	Time96h48h	Value           >100           >100	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Notes Not relevant for inorganic
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability:	Endpoint LC50 LC50 EC50	Time           96h           48h           72h	Value           >100           >100           100           16	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances.
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and degradability:         12.3. Bioaccumulative	Endpoint LC50 LC50	Time96h48h	Value           >100           >100	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and degradability:         12.3. Bioaccumulative potential:	Endpoint LC50 LC50 EC50 BCF	Time           96h           48h           72h           42d	Value           >100           >100           100           9,6	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and degradability:         12.3. Bioaccumulative potential:         12.3. Bioaccumulative	Endpoint LC50 LC50 EC50	Time           96h           48h           72h	Value           >100           >100           100           16	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and degradability:         12.3. Bioaccumulative potential:         12.3. Bioaccumulative potential:	Endpoint LC50 LC50 EC50 BCF	Time           96h           48h           72h           42d	Value           >100           >100           100           9,6	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and degradability:         12.3. Bioaccumulative potential:         12.3. Bioaccumulative potential:         12.4. Mobility in soil:	Endpoint LC50 LC50 EC50 BCF	Time           96h           48h           72h           42d	Value           >100           >100           100           9,6	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss Negative
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT	Endpoint LC50 LC50 EC50 BCF	Time           96h           48h           72h           42d	Value           >100           >100           100           9,6	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss Negative No PBT
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT	Endpoint LC50 LC50 EC50 BCF	Time           96h           48h           72h           42d	Value           >100           >100           100           9,6	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss Negative No PBT substance, No
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.2. Persistence and degradability:         12.3. Bioaccumulative potential:         12.3. Bioaccumulative potential:         12.4. Mobility in soil:         12.5. Results of PBT and vPvB assessment	Endpoint LC50 LC50 EC50 BCF	Time           96h           48h           72h           42d	Value           >100           >100           100           9,6	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss Negative No PBT substance, No
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae: 12.2. Persistence and degradability: 12.3. Bioaccumulative potential: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment Toxicity to bacteria:	Endpoint LC50 LC50 EC50 BCF	Time           96h           48h           72h           42d	Value           >100           >100           100           16           9,6           19-352	Unit mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell         a subcapitata	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss Negative No PBT substance, No
Toxicity / effect         12.1. Toxicity to fish:         12.1. Toxicity to daphnia:         12.1. Toxicity to algae:         12.1. Toxicity to algae:         12.2. Persistence and degradability:         12.3. Bioaccumulative potential:         12.4. Mobility in soil:         12.5. Results of PBT and vPvB assessment         Toxicity to bacteria:         Toxicity to bacteria:	Endpoint LC50 LC50 EC50 BCF BCF LC0	Time           96h           48h           72h           42d           14d	Value           >100           >100           100           16           9,6           19-352           >5000	Unit mg/l mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell         a subcapitata         Image: subcapitata      <	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss Negative No PBT substance, No
Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint LC50 LC50 EC50 BCF BCF	Time           96h           48h           72h           42d           14d	Value           >100           >100           100           16           9,6           19-352           >5000	Unit mg/l mg/l mg/l	Organism         Oncorhynchus         mykiss         Daphnia magna         Pseudokirchneriell         a subcapitata         Image: subcapitata      <	Test methodOECD 203 (Fish, Acute Toxicity Test)OECD 202 (Daphnia sp. Acute Immobilisation Test)U.S. EPA-600/9-	Not relevant for inorganic substances. Not to be expected Oncorhynchus mykiss Negative No PBT

Disodium sebacate							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to algae:	EL50	72h	38,7	mg/l	Skeletonema costatum	ISO 10253	
12.1. Toxicity to daphnia:	EC0	48h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	



	Readily biodegradable
n Test method	Notes
QSAR	
QSAR	
	A notable biological accumulation potential is not to be expected (LogPow 1-3).
	No PBT
	substance, No vPvB substance
n Test method	Notes
	A notable biological accumulation potential is not to be expected (LogPow 1-3).
	No PBT
	substance, No vPvB substance
n Test method	Notes
	A notable biological accumulation potential is not to be expected (LogPow 1-3).
	(LUGFUW 1-3).
	Readily
	biodegradable
	No PBT substance, No vPvB substance
	Notes
	No PBT substance, No vPvB substance
smus OECD 201 (Alga, us Growth Inhibition Test)	
nagna	
nio rerio OECD 203 (Fish, Acute Toxicity Test)	
,	Not relevant for inorganic substances.
chneriell IUCLID Chem.	



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12.1. Toxicity to algae:	NOEC/NOEL	72h	60	mg/l	Pseudokirchneriell a subcapitata	IUCLID Chem. Data Sheet (ESIS)
12.1. Toxicity to daphnia:	EC50	24h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)

# **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

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The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU) 12 01 12 spent waxes and fats Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. Take full aerosol cans to problem waste collection. Take emptied aerosol cans to valuable material collection. **For contaminated packing material** Pay attention to local and national official regulations. Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 04 metallic packaging

# **SECTION 14: Transport information**

General statements		
14.1. UN number or ID number:	1950	
Transport by road/by rail (ADR/RID)		
14.2. UN proper shipping name:		
UN 1950 AEROSOLS		
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	n.a.	•
Classification code:	5F	
LQ:	1 L	
14.5. Environmental hazards:	Not applicable	
Tunnel restriction code:	D	
Transport by sea (IMDG-code)		
14.2. UN proper shipping name:		
AEROSOLS		<b>A</b>
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	n.a.	•
EmS:	F-D, S-U	
Marine Pollutant:	n.a	
14.5. Environmental hazards:	Not applicable	
Transport by air (IATA)		
14.2. UN proper shipping name:		
Aerosols, flammable		<b>A</b>
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	n.a.	•
14.5. Environmental hazards:	Not applicable	
14.6. Special precautions for user		
Persons employed in transporting dangerous goods must be t	trained	
All persons involved in transporting must observe safety regul		
Precautions must be taken to prevent damage.	auons.	
	to IMO in struments	
14.7. Maritime transport in bulk according	to INO Instruments	



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Freighted as packaged goods rather than in bulk, therefore not applicable. Minimum amount regulations have not been taken into account. Danger code and packing code on request. Comply with special provisions.

# **SECTION 15: Regulatory information**

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

Observe restrictions:

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Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)! Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of	Qualifying quantity (tonnes) of
		dangerous substances as	dangerous substances as
		referred to in Article 3(10) for the	referred to in Article 3(10) for the
		application of - Lower-tier	application of - Upper-tier
		requirements	requirements
P3a	11.1	150 (netto)	500 (netto)

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 2 - This product contains the substances listed below:

Entry Nr	Dangerous substances	Notes to Annex I	Qualifying quantity	Qualifying quantity
			(tonnes) for the	(tonnes) for the
			application of - Lower-tier	application of - Upper-tier
			requirements	requirements
18	Liquefied flammable	19	50	200
	gases, Category 1 or 2			
	(including LPG) and			
	natural gas			

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC):

Observe incident regulations.

# 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

# **SECTION 16: Other information**

**Revised sections:** 

1-16

35 g/l

Employee training in handling dangerous goods is required. These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

# Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Aerosol 1, H222	Classification according to calculation procedure.
Aerosol 1, H229	Classification based on the form or physical state.



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The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H351 Suspected of causing cancer by inhalation. H319 Causes serious eye irritation.

Aerosol — Aerosols Carc. — Carcinogenicity Eye Irrit. — Eye irritation

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#### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

#### Any abbreviations and acronyms used in this document:

according, according to acc., acc. to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds approx. approximately Art., Art. no. Article number ASTM ASTM International (American Society for Testing and Materials) ATE Acute Toxicity Estimate Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAM BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** BSEF The International Bromine Council bw body weight CAS **Chemical Abstracts Service** CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.q. EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants) FC European Community ECHA European Chemicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances European List of Notified Chemical Substances ELINCS EN **European Norms** FPA United States Environmental Protection Agency (United States of America)  $ErCx, E\mu Cx, ErLx (x = 10, 50)$ Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) etc. et cetera EU European Union EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number gen. general GHS Globally Harmonized System of Classification and Labelling of Chemicals



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Keramikpaste (Pinseldose)
GWP Global warming potential
Koc Adsorption coefficient of organic carbon in the soil
Kow octanol-water partition coefficient
IARC International Agency for Research on Cancer
IATA International Air Transport Association IBC (Code) International Bulk Chemical (Code)
IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods
incl. including, inclusive
IUCLID International Uniform Chemical Information Database
IUPAC International Union for Pure Applied Chemistry
LC50 Lethal Concentration to 50 % of a test population
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient
LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NLP No-longer-Polymer NOEC, NOEL No Observed Effect Concentration/Level
NOEC, NOEL No Observed Effect Concentration/Level OECD Organisation for Economic Co-operation and Development
org. organisation of Economic Co-operation and Development
PBT persistent, bioaccumulative and toxic
PE Polyethylene
PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration,
Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List
Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International
Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern
Tel. Telephone TOC Total organic carbon
TOC Total organic carbon UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
wwt wet weight
The statements made here should describe the product with regard to the necessary safety precautions - they are
not meant to guarantee definite characteristics - but they are based on our present up to date knowledge

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No responsibility.

These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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