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> 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

4W Adhesive 290 ml Art.: 9017046 1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture: Adhesive sealant Sector of use [SU]: SU 0 - Other SU 1 - Agriculture, forestry, fishery SU19 - Building and construction work SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Chemical product category [PC]: PC 1 - Adhesives, sealants Process category [PROC]: PROC19 - Manual activities involving hand contact Uses advised against: No information available at present.

1.3 Details of the supplier of the safety data sheet

BTI Befestigungstechnik GmbH & Co. KG Salzstr. 51 74653 Ingelfingen Tel.: +49 7940 141 141 Fax: +49 7940 141 9141 Email: info@bti.de Homepage: www.bti.de

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 (BRC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP)



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The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

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

EUH208-Contains Dioctylbis(pentane-2,4-dionato-O,O')tin. May produce an allergic reaction. EUH210-Safety data sheet available on request. EUH212-Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

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

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 %).

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	236-675-5
CAS	13463-67-7
content %	1-<2,5
Classification according to Regulation (EC) 1272/2008	Carc. 2, H351 (as inhalation)
(CLP)	

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

Wipe off residual product carefully with a soft, dry cloth.

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

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Ingestion
Rinse the mouth thoroughly with water.
Do not induce vomiting. 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
Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media Adapt to the nature and extent of fire. Unsuitable extinguishing media None 5.2 Special hazards arising from the substance or mixture In case of fire the following can develop: Oxides of carbon Nitro gases Hydrogen chloride Toxic gases 5.3 Advice for firefighters In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with eyes or skin.
6.2 Environmental precautions
If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
6.3 Methods and material for containment and cleaning up
Pick up mechanically and dispose of according to Section 13.
Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.
Flush residue using copious water.
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



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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

Prevent long-term skin contact. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. 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 Not to be stored in gangways or stair wells. Store product closed and only in original packing. Store at room temperature. Suitable container: Plastic 7.3 Specific end use(s) No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(B) Chemical Name		ide (in powder form aerodynamic diamet				Content %:1- <2,5
WEL-TWA: 10 mg/m3 (to	tal inhalable	WEL-STEL:				
dust), 4 mg/m3 (respirable du	ist)					
Monitoring procedures:	-					
BMGV:			(Other information:		
Chemical Name	Calcium carbo	onate				Content %:
WEL-TWA: 4 mg/m3 (resp	pirable dust),	WEL-STEL:				
10 mg/m3 (total inhalable du	st)					
Monitoring procedures:	-					
BMGV:			(Other information:		
Chemical Name	Methanol					Content %:
WEL-TWA: 200 ppm (266	mg/m3)	WEL-STEL: 250	0 ppm (3.	33 mg/m3		
(WEL), 200 ppm (260 mg/m	3) (EU)	(WEL)				
Monitoring procedures:	- I	Draeger - Alcohol 25	5/a Metha	anol (81 01 631)		
	- (Compur - KITA-119	9 SA (549	9 640)		
	- (Compur - KITA-119) U (549 6	657)		
	I	DFG Meth. Nr. 6 (D) (Loesur	ngsmittelgemische	6), DF	FG (E)
	(Solvent mixtures 6)) - 2013, 2	2002 - EU project		
	- I	BC/CEN/ENTR/000)/2002-16	6 card 65-1 (2004)		
	- 1	NIOSH 2000 (METH	HANOL)	- 1998		
	1	NIOSH 2549 (VOLA	ATILE O	RGANIC COMPO	JUND	S
	- (SCREENING)) - 19	996			
		NIOSH 3800 (ORGA		ND INORGANIC	GASES	SBY
		EXTRACTIVE FTI				
		Draeger - Alcohol 10		· · · ·		



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BMGV: ---

Other information: Sk (WEL, EU)

Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10											
μm)				X 7 X	T T 1 /	NT (
Area of application	Exposure route /	Effect on health	Descript	Value	Unit	Note					
	Environmental		or								
	compartment										
	Environment -		PNEC	0,184	mg/l						
	freshwater										
	Environment - marine		PNEC	0,018	mg/l						
				4							
	Environment - water,		PNEC	0,193	mg/l						
	sporadic				-						
	(intermittent) release										
	Environment -		PNEC	100	mg/l						
	sewage treatment				-						
	plant										
	Environment -		PNEC	1000	mg/kg						
	sediment, freshwater				dw						
	Environment -		PNEC	100	mg/kg						
	sediment, marine				dw						
	Environment - soil		PNEC	100	mg/kg						
					dw						
	Environment - oral		PNEC	1667	mg/kg						
	(animal feed)				feed						
Consumer	Human - oral	Long term,	DNEL	700	mg/kg						
		systemic effects			bw/d						
Workers / employees	Human - inhalation	Long term, local	DNEL	10	mg/m3						

Calcium carbonate						
Area of application	Exposure route /	Effect on health	Effect on health Descript			Note
	Environmental		or			
	compartment					
	Environment -		PNEC	100	mg/l	
	sewage treatment					
	plant					
Consumer	Human - oral	Long term,	DNEL	6,1	mg/kg	
		systemic effects			bw/day	
Consumer	Human - inhalation	Long term,	DNEL	10	mg/m3	
		systemic effects				
Consumer	Human - inhalation	Long term, local	DNEL	1,06	mg/m3	
		effects				
Workers / employees	Human - inhalation	Long term, local	DNEL	4,26	mg/m3	
		effects				
Workers / employees	Human - inhalation	Long term,	DNEL	10	mg/m3	
		systemic effects				



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Methanol Area of application	Exposure route / Environmental compartment	Effect on health	Descript or	Value	Unit	Note
	Environment - freshwater		PNEC	154	mg/l	
	Environment - marine		PNEC	15,4	mg/l	
	Environment -		PNEC	570,4	mg/kg	
	sediment, freshwater		INLC	570,4	iiig/ Kg	
	Environment -		PNEC	57,04	mg/kg	
	sediment, marine		11.20	<i>c , , o</i> .		
	Environment - soil		PNEC	23,5	mg/kg	
	Environment - water,		PNEC	1540	mg/l	
	sporadic					
	(intermittent) release					
	Environment -		PNEC	100	mg/l	
	sewage treatment				-	
	plant					
	Environment -		PNEC	20,8	mg/l	
	freshwater					
	Environment - marine		PNEC	2,08	mg/l	
	Environment - sediment		PNEC	77	mg/kg	
	Environment -		PNEC	7,7	mg/kg	
	sediment					
Consumer	Human - inhalation	Short term, local effects	DNEL	50	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	50	mg/m3	
Consumer	Human - dermal	Short term, systemic effects	DNEL	8	mg/kg body weight/d ay	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	50	mg/m3	
Consumer	Human - oral	Short term, systemic effects	DNEL	8	mg/kg body weight/d ay	
Consumer	Human - dermal	Long term, systemic effects	DNEL	8	mg/kg body weight/d ay	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	50	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	8	mg/kg body weight/d ay	



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Workers / employees	Human - dermal	Short term, systemic effects	DNEL	40	mg/kg body weight/d ay
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	260	mg/m3
Workers / employees	Human - inhalation	Short term, local effects	DNEL	260	mg/m3
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	40	mg/kg body weight/d ay
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	260	mg/m3
Workers / employees	Human - inhalation	Long term, local effects	DNEL	260	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). (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 controls8.2.1 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 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.



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Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: Recommended Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Normally not necessary. Protective hand cream recommended.

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

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:	Paste, Solid
Colour:	According to specification
Odour:	Slightly
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	>200 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	Not determined



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Upper explosive limit: Vapour pressure: Vapour density (air = 1): Density: Bulk density: Solubility(ies): Water solubility: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties: Oxidising properties: 9.2 Other information Miscibility: Fat solubility / solvent: Conductivity: Surface tension: Solvents content:

Not determined Not determined Not determined 1,455 g/cm3 n.a. Organic solvents Insoluble n.a. Not determined Not determined Not determined Product is not explosive. No Not determined Not determined Not determined Not determined <2 % (Organic solvents)

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
None known
10.5 Incompatible materials
None known
10.6 Hazardous decomposition products
No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

4W Adhesive 290 ml						
Art.: 9017046						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by oral						n.d.a.
route:						
Acute toxicity, by						n.d.a.
dermal route:						
Acute toxicity, by						n.d.a.
inhalation:						



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Skin corrosion/irritation:			n.d.a.
Serious eye			n.d.a.
damage/irritation:			
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			n.d.a.
toxicity - single			
exposure (STOT-SE):			
Specific target organ			n.d.a.
toxicity - repeated			
exposure (STOT-RE):			
Aspiration hazard:			n.d.a.
Symptoms:			n.d.a.

Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
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 Dermal Irritation/Corrosio n)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Not irritant, Mechanical irritation possible.
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Not sensitizising
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Germ cell mutagenicity:				Salmonella typhimuri um	(Ames-Test)	Negative



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Germ cell mutagenicity:					OECD 473 (In	Negative
Germ cen mutagementy.					Vitro Mammalian	INEgative
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:					OECD 476 (In	Negative
Germ cen mutagementy.					Vitro Mammalian	negative
					Cell Gene	
					Mutation Test)	
					OECD 471	Nagativa
Germ cell mutagenicity:						Negative
					(Bacterial Reverse	
Denne de stiere terri sites				Rat	Mutation Test) OECD 414	No
Reproductive toxicity				Kat		indications
(Developmental					(Prenatal	
toxicity):					Developmental	of such an
S					Toxicity Study)	effect.
Specific target organ						Not irritant
toxicity - single						(respiratory
exposure (STOT-SE):						tract).
Symptoms:						mucous
						membrane
						irritation,
						coughing,
						respiratory
						distress,
						drying of the
a 18		2700				skin.
Specific target organ	NOAEL	3500	mg/kg/	Rat		90d
toxicity - repeated			d			
exposure (STOT-RE),						
oral:	110 1 7 0	10				
Specific target organ	NOAEC	10	mg/m3	Rat		90d
toxicity - repeated						
exposure (STOT-RE),						
inhalat.:						

Calcium carbonate						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by oral	LD50	>2000	mg/kg	Rat	OECD 420 (Acute	
route:					Oral toxicity -	
					Fixe Dose	
					Procedure)	
Acute toxicity, by	LD50	>2000	mg/kg	Rat	OECD 402 (Acute	
dermal route:					Dermal Toxicity)	
Acute toxicity, by	LC50	>3	mg/l/4h	Rat	OECD 403 (Acute	
inhalation:					Inhalation	
					Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosio	
					n)	



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Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Not irritant
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:						No indications of such an effect.
Reproductive toxicity:	NOEL	1000	mg/kg bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Dev elopm. Tox. Screening Test)	
Specific target organ toxicity - single exposure (STOT-SE):						No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT-RE):						No indications of such an effect.
Aspiration hazard:						No
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	1000	mg/kg bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Dev elopm. Tox. Screening Test)	



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Specific target organ toxicity - repeated exposure (STOT-RE),	NOAEC	0,212	mg/l	Rat	OECD 413 (Subchronic Inhalation
inhalat.:					Toxicity - 90-Day Study)

Methanol						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
A	nt	200				.
Acute toxicity, by oral	ATE	300	mg/kg	Human		Experiences
route:				being		on persons.
Acute toxicity, by	LD50	17100	mg/kg	Rabbit		Does not
dermal route:						conform
						with EU
						classification
Acute toxicity, by	LC50	85	mg/l/4h	Rat		Not relevant
inhalation:						for
						classification
						., Vapours
Serious eye				Rabbit	OECD 405 (Acute	Mild irritant
damage/irritation:					Eye	
					Irritation/Corrosio	
					n)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	No (skin
sensitisation:					Sensitisation)	contact)
Germ cell mutagenicity:				Salmonella	OECD 471	Negative
				typhimuri	(Bacterial Reverse	
				um	Mutation Test)	
Germ cell mutagenicity:				Mouse	OECD 474	Negative
					(Mammalian	
					Erythrocyte	
					Micronucleus	
					Test)	
Carcinogenicity:				Mouse	OECD 453	Negative
					(Combined	
					Chronic	
					Toxicity/Carcinoge	
					nicity Studies)	



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Symptoms:	abdominal
	pain,
	vomiting,
	headaches,
	gastrointestin
	al
	disturbances,
	drowsiness,
	visual
	disturbances,
	watering
	eyes,
	nausea,
	mental
	confusion

SECTION 12: Ecological information

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

4W Adhesive 290 n			,		、 、	,	
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Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to							n.d.a.
fish:							
12.1. Toxicity to							n.d.a.
daphnia:							
12.1. Toxicity to							n.d.a.
algae:							
12.2. Persistence							n.d.a.
and degradability:							
12.3.							n.d.a.
Bioaccumulative							
potential:							
12.4. Mobility in							n.d.a.
soil: 12.5. Results of							
PBT and vPvB							n.d.a.
assessment							
12.6. Other							n.d.a.
adverse effects:							II.u.a.
Other information:							DOC-
Other information.							elimination
							degree(comp
							lexing
							organic
							substance)>=
							80%/28d:
							n.a.
Other information:	AOX		0,479	%			



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Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	96h	>100	mg/l	Oncorhynchus	OECD 203	110005
fish:				0	mykiss	(Fish, Acute	
					,	Toxicity Test)	
12.1. Toxicity to	LC50	48h	>100	mg/l	Daphnia	OECD 202	
daphnia:				U	magna	(Daphnia sp.	
I						Acute	
						Immobilisatio	
						n Test)	
12.1. Toxicity to	EC50	72h	16	mg/l	Pseudokirchne	U.S. EPA-	
algae:				U	riella	600/9-78-018	
C					subcapitata		
12.2. Persistence					<u> </u>		Not relevant
and degradability:							for inorganic
							substances.
12.3.	BCF	42d	9,6				Not to be
Bioaccumulative							expected
potential:							
12.3.	BCF	14d	19-				Oncorhynchu
Bioaccumulative			352				s mykiss
potential:							
12.4. Mobility in							Negative
soil:							
12.5. Results of							No PBT
PBT and vPvB							substance,
assessment							No vPvB
							substance
Toxicity to			>5000	mg/l	Escherichia		
bacteria:					coli		
Toxicity to	LC0	24h	>1000	mg/l	Pseudomonas		
bacteria:			0		fluorescens		
Toxicity to	NOEC/NO		>1000	mg/kg	Eisenia		
annelids:	EL				foetida		
Water solubility:							Insoluble20°
							C

Calcium carbonate								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.1. Toxicity to	LC50	96h			Oncorhynchus	OECD 203	No	
fish:					mykiss	(Fish, Acute	observation	
						Toxicity Test)	with	
							saturated	
							solution of	
							test material.	



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12.1. Toxicity to daphnia:	EC50	48h			Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisatio n Test)	No observation with saturated solution of test material.
12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NO EL	72h	14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Not relevant for inorganic substances.
12.3. Bioaccumulative potential:							Not to be expected
12.4. Mobility in soil:							n.a.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Toxicity to bacteria:	NOEC/NO EL	3h	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max



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Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial	Lycopersicon esculentum
				uw		Plants,	esculentum
						Growth Test)	
Other organisms:	EC50	21d	>1000	mg/kg		OECD 208	Avena sativa
Other organisms.	EC30	210	>1000	dw		(Terrestrial	Avena sauva
				uw			
						Plants,	
Other areanisma		21d	1000	ma/lra		Growth Test) OECD 208	Clusing may
Other organisms:	NOEC/NO	210	1000	mg/kg			Glycine max
	EL			dw		(Terrestrial	
						Plants,	
0.1	NOFGNO	01.1	1000			Growth Test)	- ·
Other organisms:	NOEC/NO	21d	1000	mg/kg		OECD 208	Lycopersicon
	EL			dw		(Terrestrial	esculentum
						Plants,	
						Growth Test)	
Other organisms:	NOEC/NO	21d	1000	mg/kg		OECD 208	Avena sativa
	EL			dw		(Terrestrial	
						Plants,	
						Growth Test)	
Other organisms:	EC50	14d	>1000	mg/kg	Eisenia	OECD 207	
				dw	foetida	(Earthworm,	
						Acute	
						Toxicity	
						Tests)	
Other organisms:	NOEC/NO	14d	1000	mg/kg	Eisenia	OECD 207	
U U	EL			dw	foetida	(Earthworm,	
						Acute	
						Toxicity	
						Tests)	
Other organisms:	EC50	28d	>1000	mg/kg		OECD 216	
				dw		(Soil	
						Microorganis	
						ms - Nitrogen	
						Transformatio	
						n Test)	
Other organisms:	NOEC/NO	28d	1000	mg/kg		OECD 216	
caller organismis.	EL	200	1000	dw		(Soil	
						Microorganis	
						ms - Nitrogen	
						Transformatio	
						n Test)	
Water solubility:			0,016	g/l		OECD 105	20°C
water solubility.			6	B/1		(Water	20 C
			0			Solubility)	
						Soluoliity)	

Methanol							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Other information:	Log Pow		-0,77				



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12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB
12.1. Toxicity to	LC50	96h	15400	mg/l	Lepomis		substance EPA-660/3-
fish:	LCJU	9011	15400	mg/1	macrochirus		75-009
12.1. Toxicity to daphnia:	EC50	96h	18260	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisatio n Test)	
12.1. Toxicity to algae:	EC50	96h	22000	mg/l	Pseudokirchne riella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	99	%		OECD 301 D (Ready Biodegradabil ity - Closed Bottle Test)	Readily biodegradabl e
12.3. Bioaccumulative potential:	BCF		28400		Chlorella vulgaris	· · · ·	Not to be expected
Toxicity to bacteria:	IC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other information:	DOC		<70	%			
Other information:	BOD		>60	%			

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

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)

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.



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E.g. dispose at suitable refuse site.
For contaminated packing material
Pay attention to local and national official regulations.
Empty container completely.
Uncontaminated packaging can be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the substance.
15 01 02 plastic packaging

SECTION 14: Transport information

General statements	
14.1. UN number:	n.a.
Transport by road/by rail (ADR/RID)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	
Transport by sea (IMDG-code)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Marine Pollutant:	n.a
14.5. Environmental hazards:	Not applicable
Transport by air (IATA)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user	
Unless specified otherwise, general measures for safe tra	insport must be followed.
14.7. Transport in bulk according to Annex II of MA	RPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions: Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)! General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

1,44 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.



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SECTION 16: Other information

Revised sections:

2, 3, 11, 12, 15

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP): Not applicable

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.

Carc. — Carcinogenicity

Any abbreviations and acronyms used in this document:

acc., acc. to according, according 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 approximately approx. Art., Art. no. Article number ASTM ASTM International (American Society for Testing and Materials) ATE Acute Toxicity Estimate BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BSEF The International Bromine Council body weight hw CAS Chemical Abstracts Service Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling CLP and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level dry weight dw for example (abbreviation of Latin 'exempli gratia'), for instance e.g. EC European Community ECHA European Chemicals Agency EEC European Economic Community **EINECS** European Inventory of Existing Commercial Chemical Substances **ELINCS** European List of Notified Chemical Substances EN **European Norms** EPA United States Environmental Protection Agency (United States of America) etc. et cetera EU European Union EVAL Ethylene-vinyl alcohol copolymer



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Fax. Fax number

- gen. general
- GHS Globally Harmonized System of Classification and Labelling of Chemicals
- GWP Global warming potential
- IARC International Agency for Research on Cancer
- IATA International Air Transport Association
- IBC (Code) International Bulk Chemical (Code)
- IMDG-code International Maritime Code for Dangerous Goods
- incl. including, inclusive
- IUCLID International Uniform Chemical Information Database
- IUPACInternational 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)
- 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
- OECD Organisation for Economic Co-operation and Development
- org. organic
- PBT persistent, bioaccumulative and toxic
- PE Polyethylene
- PNEC Predicted No Effect Concentration
- ppm parts per million
- PVC Polyvinylchloride

REACH Registration, 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

- 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. No responsibility.