

(GB)
Page 1 of 8
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 21.10.2022 / 0001

Replacing version dated / version: 21.10.2022 / 0001 Valid from: 21.10.2022 PDF print date: 25.10.2022 blaugelb 1K PUR Klebstoff EPS XPS Holz

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

blaugelb 1K PUR Klebstoff EPS XPS Holz

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

Relevant identified uses of the substance or mixture:

Uses advised against:

No information available at present

1.3 Details of the supplier of the safety data sheet Meesenburg Großhandel KG Westerallee 162 24941 Flensburg

Tel.: +49 (0)461 5808-2000 Fax.: +49 (0)461 5808-2001 E-Mail: stuttgart@me

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)89 - 19240 (DE + GB)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Hazard class	Hazard category	Hazard statement
Eye Irrit.	2	H319-Causes serious eye irritation.
STOT SE	3	H335-May cause respiratory irritation.
Skin Irrit.	2	H315-Causes skin irritation.
Resp. Sens.	1	H334-May cause allergy or asthma
		symptoms or breathing difficulties if inhaled.
Skin Sens.	1	H317-May cause an allergic skin reaction.
Carc.	2	H351-Suspected of causing cancer.
STOT RE	2	H373-May cause damage to organs through
		prolonged or repeated exposure by

inhalation (respiratory system).

2.2 Label elements

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



H319-Causes serious eye irritation. H335-May cause respiratory irritation. H315-Causes skin irritation. H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317-May cause an allergic skin reaction. H351-Suspected of causing cancer. H373-May cause damage to organs through prolonged or repeated exposure by inhalation (respiratory system).

P201-Obtain special instructions before use. P260-Do not breathe vapours or spray. P280-Wear protective gloves / protective clothing / eye protection / face protection. P284-Wear respiratory

protection.

P302+P352-IF ON SKIN: Wash with plenty of water / soap. P304+P340-IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313-IF exposed or concerned: Get medical advice / attention.

EUH204-Contains isocyanates. May produce an allergic reaction.

As from 24 August 2023 adequate training is required before industrial or professional use. Diphenylmethanediisocyanate, isomeres and homologues 4,4'-methylenediphenyl diisocyanate Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl

Methylenediphenyl diisocyanate, modified

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

3.2 Mixtures	
Diphenylmethanediisocyanate, isomeres and	
homologues	
Registration number (REACH)	
Index	***
EINECS, ELINCS, NLP, REACH-IT List-No.	•
CAS	9016-87-9
content %	10-<25
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H332
(CLP), M-factors	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Resp. Sens. 1, H334
	Skin Sens. 1, H317
	Carc. 2, H351
	STOT SE 3, H335
	STOT RE 2, H373 (respiratory system) (as
	inhalation)
Specific Concentration Limits and ATE	Skin Irrit. 2, H315: >=5 %
	Eye Irrit. 2, H319: >=5 %
	Resp. Sens. 1, H334: >=0,1 %
	STOT SE 3, H335: >=5 %

Reaction mass of 4.4"-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate O1-2119457015-45-XXXX Index	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP, REACH-IT List-No. 905-806-4 CAS content % 5-<10 Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Experiment September 1272/2008 EXPERIMENT	
CAS content % 5-<10 Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Skin Irrit. 2, H315 Eye Irrit. 2, H319	
content % 5-<10 Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Segment 1272/2008 Even Intri. 2, H315 Eye Intri. 2, H319	
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
(CLP), M-factors Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Eye Irrit. 2, H319	
Skin Sono 1 H217	
SKII SEIS. I, HST/	
Resp. Sens. 1, H334	
Carc. 2, H351	
STOT SE 3, H335	
STOT RE 2, H373 (respiratory system) (as	as
inhalation)	
Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 %	
Eye Irrit. 2, H319: >=5 %	
Resp. Sens. 1, H334: >=0,1 %	
STOT SE 3, H335: >=5 %	

Registration number (REACH) 01-2119457013-49-XXXX Index	Methylenediphenyl diisocyanate, modified	
EINECS, ELINCS, NLP, REACH-IT List-No. CAS CAS CAS CONTENT OF THE PROOF OF THE	Registration number (REACH)	01-2119457013-49-XXXX
CAS content % Classification according to Regulation (EC) 1272/2008 (CLP), M-factors (CLP), M-factors (CLP), M-factors Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Resp. Sens. 1, H317 Resp. Sens. 1, H334 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (trespiratory system) (as inhalation) Specific Concentration Limits and ATE Specific Concentration Limits and ATE Specific Concentration Limits and ATE Resp. Sens. 1, H335: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %	Index	
Section	EINECS, ELINCS, NLP, REACH-IT List-No.	500-040-3
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Resp. Sens. 1, H337 Resp. Sens. 1, H334 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Specific Concentration Limits and ATE Resp. Sens. 1, H334: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %	CAS	25686-28-6
Skin Irrit. 2, H315	content %	5-<10
Eye Irrit. 2, H319 Skin Sens. 1, H317 Resp. Sens. 1, H334 Carc. 2, H351 STOT SE 3, H335 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation)	Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H332
Skin Sens. 1, H317 Resp. Sens. 1, H334 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %	(CLP), M-factors	Skin Irrit. 2, H315
Resp. Sens. 1, H334 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H315: >=5 % Eyesp. Sens. 1, H334: >=0,1 %	•	Eye Irrit. 2, H319
Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %		Skin Sens. 1, H317
STOT SE 3, H335 STOT RE 2, H373 (respiratory system) (as inhalation) Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %		Resp. Sens. 1, H334
STOT RE 2, H373 (respiratory system) (as inhalation) Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %		Carc. 2, H351
inhalation) Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %		STOT SE 3, H335
Specific Concentration Limits and ATE Skin Irrit. 2, H315: >=5 % Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %		STOT RE 2, H373 (respiratory system) (as
Eye Irrit. 2, H319: >=5 % Resp. Sens. 1, H334: >=0,1 %		inhalation)
Resp. Sens. 1, H334: >=0,1 %	Specific Concentration Limits and ATE	Skin Irrit. 2, H315: >=5 %
		Eye Irrit. 2, H319: >=5 %
STOT SE 3, H335: >=5 %		Resp. Sens. 1, H334: >=0,1 %
		STOT SE 3, H335: >=5 %

Propylene carbonate	
Registration number (REACH)	01-2119537232-48-XXXX
Index	607-194-00-1
EINECS, ELINCS, NLP, REACH-IT List-No.	203-572-1
CAS	108-32-7
content %	5-<10
Classification according to Regulation (EC) 1272/2008	Eye Irrit. 2, H319
(CLP), M-factors	

4,4'-methylenediphenyl diisocyanate	
Registration number (REACH)	01-2119457014-47-XXXX
Index	615-005-00-9
EINECS, ELINCS, NLP, REACH-IT List-No.	202-966-0
CAS	101-68-8
content %	1-<10
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H332
(CLP), M-factors	Skin Irrit. 2, H315
•	Eye Irrit. 2, H319
	Resp. Sens. 1, H334
	Skin Sens. 1, H317
	Carc. 2, H351
	STOT SE 3, H335
	STOT RE 2, H373 (respiratory system) (as
	inhalation)
Specific Concentration Limits and ATE	Skin Irrit. 2, H315: >=5 %
	Eye Irrit. 2, H319: >=5 %
	Resp. Sens. 1, H334: >=0,1 %
	STOT SE 3. H335: >=5 %

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

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor. Respiratory arrest - Artificial respiration apparatus necessary.

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. Dab away with polyethylene glycol 400

Eye contact

Remove contact lenses

Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available. Ingestion

Rinse the mouth thoroughly with water.



GB Page 2 of 8

rage 2 01 8 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 21.10.2022 / 0001 Replacing version dated / version: 21.10.2022 / 0001 Valid from: 21.10.2022 PDF print date: 25.10.2022 blaugelb 1K PUR Klebstoff EPS XPS Holz

Do not induce vomiting - 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.

The following may occur: Dermatitis (skin inflammation)

Drying of the skin.
Allergic contact eczema
Discoloration of the skin
Irritant to mucosa of the nose and throat

Coughing

Headaches

Fledications

Effect on the central nervous system

Asthmatic symptoms

In case of sensitivity, concentrations below the limit value may already result in asthmatic symptoms. Respiratory distress

4.3 Indication of any immediate medical attention and special treatment needed In case of irritation of the lungs, perform first-aid with controlled-dosage aero

Pulmonary oedema prophylaxis Medical supervision necessary due to possibility of delayed reaction.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media CO2

Extinction powder Water jet spray

Unsuitable extinguishing media

High volume water jet 5.2 Special hazards arising from the substance or mixture

In case of fire the following can dev Oxides of carbon Oxides of nitrogen

Hydrocyanic acid (hydrogen cyanide)

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. According to size of fire Full protection, if necessary. 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 perprevent contamination. e, wear personal protective equipment as specified in section 8 to

Ensure sufficient ventilation, remove sources of ignition

Ensure surricient ventilation, remove sources or ignition.

Avoid dust formation with solid or powder products.

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

Keep unprotected persons away.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency respondersSee section 8 for suitable protective equipment and material specifications.

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. If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning upSoak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

Allow to stand for a few days in an unclosed container until reaction no longer occurs.

Keep moist.

Do not close packing drum.
CO2 formation in closed tanks causes pressure to rise.

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 inhalation of the vapours.

If applicable, suction measures at the workstation or on the processing machine necessary.

If applicable, suction measures at the workstation or on the processing machine necessary. Avoid contact with eyes or skin. No contact with products of this type in case of allergies, asthma und chronic respiratory tract disorders. 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.
Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Keep protected from direct sunlight and temperatures over 50°C. Store at room temperature.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

81	Control	narameter	s

(GB) Chemical Name		nethanediisocyanate, isome	eres and homologue	es		
WEL-TWA: 0,02 mg/m3 (Iso	cyanates,	WEL-STEL: 0,07 mg/	m3 (Isocyanates,			
all (as -NCO))		all (as -NCO))				
Monitoring procedures:						
BMGV: 1 µmol isocyanate-derived diamine/mol creatinine in urine Other information: Sen						
(At the end of the period of ex	oosure)		(Isocyanates, all	(as -NCO))		
			•			

Œ	Chemical Name	Reaction r	Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-					
()	isocyanatobenzyl)phenyl isocyanate							
W	WEL-TWA: 0,02 mg/m3 (Isocyanates, WEL-STEL: 0,07 mg/m3 (Isocyanates,							
all (as -NCO)) all (as -NCO))								
Monitoring procedures:								
В	MGV: 1 µmol isocyanate-d	erived diamin	e/mol creatinine in ur	rine	Other information	n: Sen		

(Isocyanates, all (as -NCO)) (At the end of the period of exposure) (GB) Chemical Name Methylenediphenyl diisocyanate, modified WEL-TWA: 0,02 mg/m3 (Isocyanates, WEL-STEL: 0,07 mg/m3 (Isocyanates, all (as -NCO))
Monitoring procedures: all (as -NCO))
ISO 16702 (Workplace air quality – determination of total

isocyanate groups in air using 2-(1-methoxyphenyl)piperazine and isocyanate in air using 2-(1-methoxyphenyl)piperazine and liquid chromatography) - 2007

MDHS 25/4 (Organic isocyanates in air – Laboratory method using sampling either onto 2-(1-methoxyphenylpiperazine coated glass fibre filters followed by solvent desorption or into impingers and analysis using high performance liquid chromatography) - 2015

BMGV: 1 µmol isocyanate-derived diamine/mol creatinine in urine | Other information: ---

(At the end of the period of exposure) (SE) Chemical Name 4,4'-methylenediphenyl diisocyanate
WEL-TWA: 0,02 mg/m3 (Isocyanates, WEL-STEL: 0,07 mg/m3 (Isocyanates, WEL-STEL: 0,07 mg/m3 (Isocyanates, all (as-NCO))
ISO 16702 (Workplace air quality – determination of total isocyanate groups in air using 2-(1-methoxyphenylpiperazine and liquid chromatography) - 2007
MDHS 25/4 (Organic isocyanates in air – Laboratory method using sampling either onto 2-(1-methoxyphenylpiperazine coated glass fibre filters followed by solvent desorption or into impingers and analysis using high performance liquid chromatography) - 2015 - EU project BC/CEN/ENTR/000/2002-16 card 7-4 (2004)
NIOSH 5521 (ISOCYANATES, MONOMERIC) - 1994
NIOSH 5522 (ISOCYANATES, TOTAL (MAP)) - 2003
OSHA 18 (Disocyanates 2,4-TDI and MDI) - 1980
OSHA 47 (Methylene Bisphenyl Isocyanate (MDI)) - 1984 all (as -NCO))
Monitoring procedures:

-	OSHA 47 (Methylene Bisp	henyl Isocyanate (N	/IDI)) - 1984			
BMGV: 1 µmol isocyanate-derived diamir	ne/mol creatinine in urine	Other information: Sen				
(At the end of the period of exposure)	(Isocyanates, all (as -NCO))					
(GB) Chemical Name Silicon did	oxide					
WEL-TWA: 6 mg/m3 (total inh. dust),	WEL-STEL:					
2,4 mg/m3 (resp. dust)						
Monitoring procedures:						
BMGV: Other information:						

Area of application	Exposure route /	Effect on	Descri	Valu	Unit	Note
	Environmental	health	ptor	е		
	compartment					
	Environment -		PNEC	37	μg/l	
	freshwater					
	Environment -		PNEC	0,37	μg/l	
	marine					
	Environment - soil		PNEC	2,33	mg/kg	
	Environment -		PNEC	1	mg/l	
	sewage treatment					
	plant					
	Environment -		PNEC	3,7	μg/l	
	water, sporadic					
	(intermittent) release					
	Environment -		PNEC	11,7	mg/kg	
	sediment, freshwater				dry	
	, , , , , , , , , , , , , , , , , , , ,				weight	
	Environment -		PNEC	1,17	mg/kg	
	sediment, marine				dry	
	, , ,				weight	
Consumer	Human - inhalation	Long term,	DNEL	0,02	mg/m3	
		local effects		5	3 -	
Consumer	Human - inhalation	Short term.	DNEL	0.05	mg/m3	
		local effects		.,	J	
Workers /	Human - inhalation	Short term.	DNEL	0,1	mg/m3	
employees		local effects		-,.	J	
Workers /	Human - inhalation	Long term,	DNEL	0,05	mg/m3	
employees		local effects		-,00		

Propylene carbonate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
	Environment - sporadic (intermittent) release		PNEC	9	mg/l	
	Environment - marine		PNEC	0,09	mg/l	
	Environment - sediment, marine		PNEC	0,08 3	mg/l	
	Environment - soil Environment - freshwater		PNEC PNEC	0,81	mg/l mg/l	
	Environment - sediment, freshwater		PNEC	0,83	mg/l	
	Environment - sewage treatment plant		PNEC	740 0	mg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	10	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	10	mg/kg	
Consumer	Human - inhalation	Long term, local effects	DNEL	10	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	17,4	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	70,5 3	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	176	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	20	mg/kg	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	20	mg/m3	



GB Page 3 of 8

rays 30 to 8
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 21.10.2022 / 0001
Replacing version dated / version: 21.10.2022 / 0001
Valid from: 21.10.2022
PDF print date: 25.10.2022
blaugelb 1K PUR Klebstoff EPS XPS Holz

4,4'-methylenedipher Area of application	Exposure route /	Effect on	Descri	Valu	Unit	Note
	Environmental	health	ptor	e		
	compartment		.	_		
	Environment -		PNEC	3,7	μg/l	
	freshwater			-,	1.5	
	Environment -		PNEC	0,37	μg/l	
	marine					
	Environment -		PNEC	1	mg/l	
	sewage treatment					
	plant					
	Environment - soil		PNEC	2,33	mg/kg	
					dw	
	Environment -		PNEC	37	μg/l	
	sporadic					
	(intermittent) release Environment -		PNEC	11,7	mg/kg	
	sediment, freshwater		FINEC	11,7	dry	
	sediment, neshwater				weight	
	Environment -		PNEC	1,17	mg/kg	
	sediment, marine		11420	.,.,	dry	
					weight	
Consumer	Human - oral	Short term.	DNEL	20	mg/kg	
		systemic effects			bw/day	
Consumer	Human - dermal	Short term,	DNEL	17,2	mg/cm	
		local effects			2	
Consumer	Human - dermal	Short term,	DNEL	25	mg/kg	
_		systemic effects			bw/day	
Consumer	Human - inhalation	Short term,	DNEL	0,05	mg/m3	
0	Human - inhalation	local effects	DNEL	0.05		
Consumer	Human - Innalation	Short term, systemic effects	DNEL	0,05	mg/m3	
Consumer	Human - inhalation	Long term,	DNEL	0,02	mg/m3	
Consumer	Human - Imiaation	local effects	DINEL	5	my/ms	
Consumer	Human - inhalation	Long term,	DNEL	0,02	mg/m3	
Concumor	Transaction	systemic effects	DITE	5	9/0	
Workers /	Human - dermal	Short term.	DNEL	28.7	mg/cm	
employees		local effects		- ,	2	
Workers /	Human - dermal	Short term,	DNEL	50	mg/kg	
employees		systemic effects			bw/day	
Workers /	Human - inhalation	Short term,	DNEL	0,1	mg/m3	
employees		local effects				
Workers /	Human - inhalation	Short term,	DNEL	0,1	mg/m3	
employees		systemic effects				
Workers /	Human - inhalation	Long term,	DNEL	0,05	mg/m3	
employees	Ulaman Inhalati	local effects	DNE	0.05		
Workers /	Human - inhalation	Long term,	DNEL	0,05	mg/m3	
employees		systemic effects				

(SB) 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) nhalable 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 (B) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Respirable fraction (2017/164/EU, 2017/2398/EU).

(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.

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.

Keep away from food, drink and animal feedingstuffs.

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

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection

Chemical resistant protective gloves (EN ISO 374).
Recommended
Protective nitrile gloves (EN ISO 374).
Minimum layer thickness in mm:

>=0,35Permeation time (penetration time) in minutes: >= 480

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical

The recommended maximum wearing time is 50% of breakthrough time

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.

If OES or MEL is exceeded.
Filter A2 P2 (EN 14387), code colour brown, white
Observe wearing time limitations for respiratory protection equipment.

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

In the case of mixtures, are resistance or good managed and the 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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Colour: Odour: Melting point/freezing point: Characteristic
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: Lower explosion limit: There is no information available on this parameter.

Upper explosion limit:
Flash point:
Auto-ignition temperature:
Decomposition temperature:

pH: Kinematic viscosity:

Solubility:
Partition coefficient n-octanol/water (log value):

Vapour pressure: Density and/or relative density: Relative vapour density:

Particle characteristics

9.2 Other information

Oxidising liquids

Mixture is non-polar/aprotic. There is no information available on this parameter. There is no information available on this parameter. Does not apply to mixtures. There is no information available on this parameter.

There is no information available on this parameter.

There is no information available on this parameter. There is no information available on this parameter. There is no information available on this parameter. There is no information available on this parameter. There is no information available on this parameter.

1,12 g/cm3 (relative density)
There is no information available on this parameter.

Does not apply to liquids.

Product is not explosive

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

with proper storage and handling

10.3 Possibility of hazardous reactions

Exothermic reaction possible with

Alcohols Amines Bases Acids

Water Developement of:

Carbon dioxide
CO2 formation in closed tanks causes pressure to
Pressure increase will result in danger of bursting.

10.4 Conditions to avoid

See also section 7. Protect from humidity.

Polymerisation due to high heat is possible.

10.5 Incompatible materials

Acids

Bases Amines Alcohols Water

10.6 Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

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

Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:	ATE	>20	mg/l/ 4h			Vapours, calculated value
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/k g	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>5000	mg/k g	Rabbit	OECD 402 (Acute Dermal Toxicity)	



Page 4 of 8
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 21.10.2022 / 0001
Replacing version dated / version: 21.10.2022 / 0001
Valid from: 21.10.2022
PDF print date: 25.10.2022
blaugelb 1K PUR Klebstoff EPS XPS Holz

Acute toxicity, by inhalation:	LC50	0,31- 0,49	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol, Does not conform with EU classification.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Skin Irrit. 2
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosio n)	Eye Irrit. 2
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Yes (skin contact), Analogous conclusion
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Yes (skin contact)
Respiratory or skin sensitisation:				Rat	Sensilisation)	Yes (inhalation
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative, Analogous conclusion
Germ cell mutagenicity:				Salmonel la typhimuri um	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity:	NOAE L	4	mg/m 3	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Aerosol, Negative
Carcinogenicity:				Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	Aerosol, Limited evidence of a carcinoger c effect.
Specific target organ toxicity - single exposure (STOT-SE), inhalative:						Target organ(s): respiratory system, May cause respiratory irritation.
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:						Target organ(s): respiratory system
Symptoms:						breathing difficulties
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	LOAE L	1	mg/m 3	Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	Aerosol, Analogous conclusion
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE L	0,2	mg/m 3	Rat	OECD 453 (Combined Chronic Toxicity/Carcinog enicity Studies)	Aerosol, Analogous conclusior

Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
A costs to delto becaused	int	40000		m		
Acute toxicity, by oral	LD50	> 10000	mg/k	Rat		
route:	LD50	> 9400	g	Rabbit		
Acute toxicity, by dermal route:	LD50	> 9400	mg/k	Rabbit		
	1.050	0.40	g	Rat		8.41-4
Acute toxicity, by inhalation:	LC50	0,49	mg/l/ 4h			Mist, Dust:, Does not conform with EU classifica n.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Irritant
Respiratory or skin				Guinea	ÓECD 406 (Skin	Yes
sensitisation:				pig	Sensitisation)	(inhalation and skin contact)
Germ cell mutagenicity:				Salmonel la typhimuri um	Regulation (EC) 440/2008 B.13/B.14 (REVERSE MUTATION TEST USING BACTERIA)	Negative
Germ cell				Rat	OECD 474	Negative
mutagenicity:					(Mammalian	
					Erythrocyte	
					Micronucleus	
					Test)	
Carcinogenicity:				Rat	OECD 453	Carc. 2
					(Combined	
					Chronic	
					Toxicity/Carcinog	
					enicity Studies)	

Methylenediphenyl diisocyanate, modified											
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes					
Acute toxicity, by oral route:	LD50	>2000	mg/k g	Rat	OECD 401 (Acute Oral Toxicity)	Analogous conclusion					
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Skin Irrit. 2					

Serious eye				Rabbit	OECD 405	Eye Irrit. 2
damage/irritation:					(Acute Eye	
_					Irritation/Corrosio	
					n)	
Respiratory or skin				Mouse	·	Yes
sensitisation:						(inhalation)
Respiratory or skin				Guinea	OECD 406 (Skin	Yes (skin
sensitisation:				pig	Sensitisation)	contact)
Germ cell				Salmonel	Regulation (EC)	Negative
mutagenicity:				la	440/2008	_
				typhimuri	B.13/B.14	
				um	(REVERSE	
					MUTATION	
					TEST USING	
					BACTERIA)	
Germ cell				Rat	OECD 474	Negative
mutagenicity:					(Mammalian	ŭ
					Erythrocyte	
					Micronucleus	
					Test)	
Specific target organ	NOEC	0,2	mg/m	Rat	OECD 453	
toxicity - repeated			3		(Combined	
exposure (STOT-RE),					Chronic	
inhalat.:					Toxicity/Carcinog	
					enicity Studies)	

IIIIdidi					enicity Studies)	
			'			
Propylene carbonate Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
Toxicity / effect	int	value	Unit	m	rest method	Notes
Acute toxicity, by oral	LD50	>5000	mg/k	Rat	OECD 401	
route:			g		(Acute Oral	
A cute toulelts bu	LDEO	0000		D-LL:	Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/k	Rabbit	OECD 402 (Acute Dermal	
dermai route.			g		Toxicity)	
Skin				Rabbit	OECD 404	Not irritant
corrosion/irritation:					(Acute Dermal	
					Irritation/Corrosio	
Serious eye				Rabbit	n) OECD 405	Irritant
damage/irritation:				Rabbit	(Acute Eye	iiiiaiii
					Irritation/Corrosio	
					n)	
Respiratory or skin				Human		No (skin
sensitisation: Germ cell				being	OECD 471	contact) Negative
mutagenicity:					(Bacterial	ivegative
					Reverse	
					Mutation Test)	
Germ cell					OECD 474	Negative
mutagenicity:					(Mammalian Erythrocyte	
					Micronucleus	
					Test)	
Germ cell					OECD 482	Negative
mutagenicity:					(Gen. Tox	
					DNA Damage and Repair,	
					Unscheduled	
					DNA Synthesis	
					in Mammalian	
Oii-i-i				Mouse	Cells In Vitro) OECD 451	Newstree
Carcinogenicity:				iviouse	(Carcinogenicity	Negative
					Studies)	
Reproductive toxicity:	NOAE	1000	mg/k	Rat	OECD 414	Negative
	L		g		(Prenatal	
					Developmental	
Aspiration hazard:					Toxicity Study)	No
Symptoms:						breathing
, ,						difficulties,
						headaches,
						gastrointes tinal
						disturbance
						S,
						dizziness,
0	Non	F000			OFOD (***	nausea
Specific target organ toxicity - repeated	NOEL	>5000	mg/k		OECD 408 (Repeated Dose	
exposure (STOT-RE),			g		90-Day Oral	
oral:					Toxicity Study in	
					Rodents)	
Specific target organ	NOEC	100	mg/m		OECD 413	Dust, Mist
toxicity - repeated exposure (STOT-RE),			3		(Subchronic Inhalation	
inhalat.:					Toxicity - 90-Day	
					Study)	

4,4'-methylenedipheny	l diisocvana	atα				
Toxicity / effect	Endpo	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/k g	Rat	Regulation (EC) 440/2008 B.1 (ACUTE ORAL TOXICITY)	Analogous conclusion
Acute toxicity, by dermal route:	LD50	>9400	mg/k g	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogous conclusion
Acute toxicity, by inhalation:	LC50	0,368	mg/l/ 4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol, Does not conform with EU classification.
Acute toxicity, by inhalation:	LC50	1,5	mg/l/ 4h			Aerosol, Expert judgement.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Skin Irrit. 2, Analogous conclusion
Respiratory or skin sensitisation:				Guinea pig		Yes (inhalation)
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Skin Sens. 1
Germ cell mutagenicity:				Salmonel la typhimuri um	OECD 471 (Bacterial Reverse Mutation Test)	Negative, Analogous conclusion



(GB)
Page 5 of 8
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 21.10.2022 / 0001 information elimination degree(co mplexing Replacing version dated / version: 21.10.2022 / 0001 Valid from: 21.10.2022 / 0001 PDF print date: 25.10.2022 blaugelb 1K PUR Klebstoff EPS XPS Holz organic substance) 80%/28d: OFCD 474 Germ cell Rat Negativem ale No According (Mammalian Erythrocyte Micronucleus mutagenicity: Other AOX % to the recipe, information: contains Test) OECD 489 (In Rat Germ cell Negativem no AOX mutagenicity: Vivo Mammalian Alkaline Comet ologu Unit Assay) OECD 453 Organism Notes Carcinogenicity: Aerosol, method NOEC/N >10 00 (Combined Analogous 14d OECD 208 Other organisms: mg/k Avena sativa Chronic conclusion. OFI (Terrestrial Plants, Toxicity/Carcinog enicity Studies)
OECD 414 Carc. 2 Growth NOAE Reproductive toxicity mg/ Rat Test) OECD 203 LC0 Analogous conclusion 12.1. Toxicity to 96h (Prenatal >10 00 mg/l Brachydanio Developmental fish: rerio (Fish, Acute Toxicity Study) Toxicity May cause Specific target organ Test) OECD 21 NOEC/I toxicity - single exposure (STOT-SE). 12.1. Toxicity to Daphnia respiratory irritation. mg/ >=1 0 (Daphnia daphnia: magna magna Reproductio n Test) OECD 202 inhalative: OECD 453 Specific target organ LOAE mg/m 3 Rat Aerosol. toxicity - repeated exposure (STOT-RE), inhalat.: Analogous conclusion, Target (Combined Chronic 12.1. Toxicity to EC50 24h mg/l Toxicity/Carcinog (Daphnia daphnia: magna enicity Studies) organ(s): sp. Acute respiratory Immobilisati system Aerosol, on Test) OECD 201 Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: NOAE OECD 453 Scenede 0.2 mg/m 3 Rat 12.1. Toxicity to ErC50 72h mg/ (Combined Chronic Toxicity/Carcinog Analogous conclusion, Target (Alga, Growth us subspicatus Inhibition enicity Studies) organ(s): Test) OECD 302 respiratory 28d activated Not Persistence and C (Inherent Biodegradab biodegrada ble, According degradability: Silicon dioxide Toxicity / effect ility -Modified Unit Organis Test method Notes Endpo Value to int LD50 m Rat MITI Test experience available to date, polycarbam Acute toxicity, by oral mg/l OFCD 423 (II)) (Acute Oral Toxicity - Acute Toxic Class ide is inert Method) OECD 402 and nonand non-degradable ., With water at the interface, LD50 Acute toxicity, by > 2000 mg/l Rat (Acute Dermal Toxicity) OECD 404 Rabbi Not irrita corrosion/irritation: (Acute Derma Irritation/Corrosio transforms slowly with formation of CO2 into a firm, n) OECD 405 Serious eye damage/irritation: Rahhit Not irritant (Acute Eye Irritation/Corrosio insoluble n) OECD 471 Germ cell Negative reaction mutagenicity: (Bacterial product Reverse Mutation Test) with a high melting Aspiration hazard: No point (polycarba 11.2. Information on other hazards blaugelb 1K PUR Klebstoff EPS XPS Holz
Toxicity / effect Endpo Vice mide). Not to be Cyprinus carpio 12.3 BCF 42d <14 OECD 305 (Bioconcentr ation - Flow-Through Bioaccumulative expected Unit Organis Test method Notes potential: Fish Test) properties: apply to No vPvB 12.5. Results of mixtures. PBT and vPvB assessment substance Other information: No othe No PBT relevant information available EC50 OECD 209 Toxicity to 3h >10 0 mg/l activated sludge (Activated on adverse Sludge, Respiration Inhibition effects on health Test (Carbon **SECTION 12: Ecological information** and Ammonium Oxidation)) OECD 208 Possibly more information on environmental blaugelb 1K PUR Klebstoff EPS XPS Holz ental effects, see Section 2.1 (classification). Other organisms: NOEC/I mg/ Valu (Terrestrial Toxicity / effect Tim Unit Organism Notes g sativa Plants. 12.1. Toxicity to Growth n.d.a Test)
OECD 207
(Earthworm,
Acute
Toxicity fish: 12.1. Toxicity to NOEC/N OEL Lumbricus n.d.a. Toxicity to mg/l daphnia: 12.1. Toxicity to n.d.a algae: 12.2 Tests) Persistence and Reaction mass of 4,4'-methylen
Toxicity / effect Endpoin ediphenyl diisocyanate and o-(p-isocyanate Tim Valu Unit Organism benzyl)phenyl isocyanate Test Notes degradability: 12.3. n.d.a. Bioaccumulative method OECD 302 **e** 28d 12.2. activated potential: 12.4. Mobility in C (Inherent Biodegradab Persistence and degradability: sludge n.d.a soil: 12.5. Results of n.d.a. ility -Modified PRT and vPvR assessment 12.6. Endocrine MITI Test Does not (II)) 12.3 BCF 200 Not to be disrupting apply to Bioaccumulative properties: 12.7. Other expected mixtures. potential: 12.1. Toxicity to LC50 OECD 203 96h Brachydanio adverse effects: information mg/l available on other adverse 100 rerio (Fish, Acute Toxicity Test)
OECD 211
(Daphnia NOEC/N 12.1. Toxicity to mg/ effects on the magna environmer magna Reproductio n Test)



age 6 of 8								Other							Accordin
Revision date / version of Replacing version of Replacing version of Replacing version of Revision (Revision of Revision o	sion: 21.10.20 dated / versior 022	22 / 000	1		6, Annex II			information:							to experien available to date,
PDF print date: 25. blaugelb 1K PUR k	10.2022	XPS Holz	Z												polycarba
2.1. Toxicity to	EC50	24h	>	mg/l	Daphnia	OECD 202									and non- degrada
aphnia:			100		magna	(Daphnia sp. Acute									., With water at
						Immobilisati on Test)									the interface
oxicity to acteria:	EC50	3h	>10 0	mg/l	activated sludge	OECD 209 (Activated									transforn slowly wi
						Sludge, Respiration									formation of CO2
						Inhibition Test									into a firr insoluble
						(Carbon and									reaction product
						Ammonium Oxidation))									with a hig melting
lethylenedipheny															point (polycart
oxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes	12.4. Mobility in	H		0,02	Pa*m			mide).
2.2. Persistence and		28d	0	%	activated sludge	OECD 302 C (Inherent		soil: 12.1. Toxicity to	(Henry) LC50	96h	>10	3/mol mg/l	Brachydanio	OECD 203	Analogou
egradability:						Biodegradab ility -		fish:			00		rerio	(Fish, Acute Toxicity	conclusio
						Modified MITI Test		12.2.		28d	0	%		Test) OECD 302	Not
2.3.	BCF		200			(II)) OECD 305	Not to be	Persistence and degradability:						C (Inherent Biodegradab	biodegrad
Bioaccumulative otential:						(Bioconcentr ation - Flow-	expected							ility - Modified	water at the
O.4. Tandelle :	1050	00'	100	w #	December	Through Fish Test)								MITI Test (II))	interface, transform
2.1. Toxicity to sh:	LC50	96h	>10 00	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute									slowly wi
2.1 Tovicit	NOTO'N	04.4		pm m /1	Donhais	Toxicity Test)									of CO2 into a firm insoluble
2.1. Toxicity to aphnia:	NOEC/N OEL	21d	>=1 0	mg/l	Daphnia magna	OECD 211 (Daphnia									reaction
						magna Reproductio									product with a hig melting
oxicity to	EC50	3h	>10	mg/l	activated	n Test) OECD 209 (Activated									point
acteria:			0		sludge	(Activated Sludge,									(polycart mide)., Accordin
						Respiration Inhibition									to
						Test (Carbon									experience available to date,
						and Ammonium Oxidation))									polycarba
						Oxidation))									and non- degradat
ropylene carbon oxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test method	Notes								., Analogou
2.1. Toxicity to	LC50	e 96h	>10 00	mg/l	Cyprinus	92/69/EC									conclusio
2.1. Toxicity to	EC50	48h	>10	mg/l	caprio Daphnia	OECD 202		12.1. Toxicity to daphnia:	EC50	24h	>10 00	mg/l	Daphnia magna	OECD 202 (Daphnia	Analogou conclusio
phnia:			00		magna	(Daphnia sp. Acute Immobilisati		чарнна.			50		magna	sp. Acute Immobilisati	0011010310
1.1. Toxicity to	EC50	72h	>90	mg/l	Desmodesm	on Test) OECD 201		12.1. Toxicity to	NOEC/N	21d	>10	mg/l	Daphnia	on Test) OECD 202	Analogou
gae:		1211	0	1119/1	us subspicatus	(Alga, Growth		daphnia:	OEL				magna	(Daphnia sp. Acute	conclusio
					Supopidatus	Inhibition Test)								Immobilisati on Test)	
2.2. ersistence and			83,5 -87-	%		OECD 301 B (Ready	Readily biodegrada	12.3. Bioaccumulative	Log Pow		5,22				A notable biological
egradability:			7			Biodegradab ility - Co2	ble29d	potential:							accumula
						Evolution Test)									potential has to be
2.2. ersistence and	DOC	14d	90-	%		OECD 301 A (Ready									expected (LogPow
egradability:						Biodegradab ility - DOC		12.1. Toxicity to	ErC50	72h	>16	mg/l	Desmodesm	OECD 201	3). Analogou
						Die-Away Test)		algae:			40		us subspicatus	(Alga, Growth	conclusio
2.3. ioaccumulative	Log Pow		0,48				Bioaccumul ation is							Inhibition Test)	
otential:			0,40				unlikely (LogPow <	12.3. Bioaccumulative	BCF	28d	200		Cyprinus caprio	IUCLID Chem. Data	Not to be expected
							1)., calculated	potential:						Sheet (ESIS)	, 50.00
2.5. Results of							value No PBT	12.5. Results of PBT and vPvB						,/	No PBT substanc
BT and vPvB ssessment							substance, No vPvB	assessment							No vPvB substanc
oxicity to	EC10	16h	740	mg/l	Pseudomon	DIN 38412	substance	Other information:	AOX						Does not contain
acteria:	AOX	1011	0	%	as putida	T.8	Does not								any organical
formation:	,,,,,,			/0			contain								bound halogens
							organically bound								which ca
							halogens which can								to the AC
							contribute to the AOX								waste water.
							value in waste	Toxicity to bacteria:	EC50	3h	>10 0	mg/l	activated sludge	OECD 209 (Activated	Analogou
							waster.							Sludge, Respiration	
4'-methylenedip oxicity / effect	henyl diisocy		Valu	Unit	Organism	Test	Notes							Inhibition Test	
UNICITY / ETTECT	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes							(Carbon and	
														Ammonium Oxidation))	
								Other organisms:	NOEC/N	14d	>10	mg/k	Lactuca	OECD 208	Analogou
								1	OEL	1	00	g	sativa	(Terrestrial	conclusio
														Plants, Growth	



GB Page 7 of 8

Ciliaan diavida

raye / 018 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 21.10.2022 / 0001 Replacing version dated / version: 21.10.2022 / 0001 Valid from: 21.10.2022 PDF print date: 25.10.2022 blaugelb 1K PUR Klebstoff EPS XPS Holz

Other organisms:	NOEC/N OEL	14d	>10 00	mg/k g	Avena sativa	OECD 208 (Terrestrial Plants, Growth Test)	Analogous conclusion
Toxicity to annelids:	NOEC/N OEL	14d	> 100 0	mg/k g	Lumbricus terrestris	OECD 207 (Earthworm, Acute Toxicity Tests)	Analogous conclusion
Toxicity to annelids:	EC50	14d	>10 00	mg/k g	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	Analogous conclusion

Silicon dioxide							
Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	EC0	96h	>10 000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC0	24h	>10 00	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisati on Test)	
12.1. Toxicity to algae:	ErC50	72h	>=1 000 0	mg/l	Scenedesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Inorganic products cannot be eliminated from water through biological purification methods.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

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

Owing to the user's Specific continuous for use and disposar, officer waste codes may be allocated under certain circumstances. (2014/955/EU) 08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances 08 05 01 waste isocyanates

Recommendation:

recommendation:
Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.
E.g. suitable incineration plant.
Hardened product:
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 10 packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

General statements

Not applicable

Transport by road/by rail (ADR/RID)
14.2. UN proper shipping name:
14.3. Transport hazard class(es):

14.4. Packing group: Classification code: Not applicable Not applicable Not applicable Not applicable LQ: 14.5. Environmental hazards:

Transport by sea (IMDG-code)
14.2. UN proper shipping name:
14.3. Transport hazard class(es): Not applicable

14.4. Packing group:
Marine Pollutant:
14.5. Environmental hazards Not applicable Transport by air (IATA)

14.2. UN proper shipping name: 14.3. Transport hazard class(es): 14.4. Packing group: 14.5. Environmental hazards: n.a. Not applicable Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulation

SECTION 15: Regulatory information

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

Comply with national regulations/laws governing the protection of young people at work (national

implementation of the Directive 94/33/EC)! Regulation (EC) No 1907/2006, Annex XVII

Diphenylmethanediisocyanate, isomeres and homologues

Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate

Methylenediphenyl diisocyanate, modified 4.4'-methylenediphenyl diisocyanate

Comply with national regulations/laws governing maternity protection (national implementation of the Directive

92/80/EEU)!
Comply with trade association/occupational health regulations.
Regulation (EU) No 649/2012 'concerning the export and import of hazardous chemicals' must be adhered to, as the product contains a substance that falls within the scope of this Regulation.

Directive 2010/75/EU (VOC): 0.12%

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous mate

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
Eye Irrit. 2, H319	Classification according to calculation procedure.
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
Resp. Sens. 1, H334	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.
Carc. 2, H351	Classification according to calculation procedure.
STOT RE 2, H373	Classification according to calculation procedure.

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). H373 May cause damage to organs through prolonged or repeated exposure by inhalation. H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

H351 Suspected of causing cancer

Eye Irrit. — Eye irritation STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation Skin Irrit. — Skin irritation Resp. Sens. — Respiratory sensitization Skin Sens. — Skin sensitization

Carc. — Carcinogenicity
STOT RE — Specific target organ toxicity - repeated exposure
Acute Tox. — Acute toxicity - inhalation

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:

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

AOX AUSULUGE CAN A

and Safety, BCF

Germany)
Bioconcentration factor
The International Bromine Council BSEF

body weight

Chemical Abstracts Service

bw CAS CLP

labelling a

Chemical Abstracts Service
Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, nd packaging of substances and mixtures) carcinogenic, mutagenic, reproductive toxic Derived Minimum Effect Level
Derived No Effect Level CMR DMEL DNEL

DOC Dissolved organic carbon

dw dry weight
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass

(algae, plants)

(algae, plants)

EC 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

ELINCS European List of Notified Chemical Substances

EN EPA European Norms United States Environmental Protection Agency (United States of America)



Page 8 of 8
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 21.10.2022 / 0001
Replacing version dated / version: 21.10.2022 / 0001
Valid from: 21.10.2022
PDF print date: 25.10.2022
blaugelb 1K PUR Klebstoff EPS XPS Holz

ErCx. EuCx, ErLx (x = 10, 50)

(algae, plants)
etc. et cetera
EU European Union

Ethylene-vinyl alcohol copolymer Fax number

EVAL Fax.

gen. GHS

Effect Concentration/Level of x % on inhibition of the growth rate

GWP Koc

rax number general Globally Harmonized System of Classification and Labelling of Chemicals Global warming potential Adsorption coefficient of organic carbon in the soil octanol-water partition coefficient by Court of Court Kow IARC International Agency for Research on Cancer
IATA 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

including, inclusive

incl. IUCLID International Uniform Chemical Information Database IUPAC LC50

International Union for Pure Applied Chemistry
Lethal Concentration to 50 % of a test population
Lethal Dose to 50% of a test population (Median Lethal Dose)
Logarithm of adsorption coefficient of organic carbon in the soil
pg Pow Logarithm of octanol-water partition coefficient
Limited Quantities LD50 Lethal Log Koc Logarit Log Kow, Log Pow

MARPOL International Convention for the Prevention of Marine Pollution from Ships n.a. n.av.

not applicable not available not checked n.c. n.d.a. NIOSH

no data available National Institute for Occupational Safety and Health (USA)

NULP No-longer-Polymer
NOEC, NOEL No Observed Effect Concentration/Level
OECD Organisation for Economic Co-operation and Development org. OSHA organic Occupational Safety and Health Administration (USA)

PBT

Occupational satery and neath Authorized persistent, bioaccumulative and toxic Polyethylene Predicted No Effect Concentration parts per million Polyvinylchloride PE PNEC

ppm PVC REACH

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 Regulation concerning the International Carriage of Dangerous Goods by Rail)

SVHC Substances of Very High Concern

Tel

Telephone TOC UN RTDG VOC vPvB

Total organic carbon
United Nations Recommendations on the Transport of Dangerous Goods

Volatile organic compounds

very persistent and very bioaccumulative wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by:

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

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.