

Page 1 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by **Regulation (EU) 2020/878)**

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

1.1 Product identifier

Liquimate 8100 1K-PUR grau

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

Adhesive sealant

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

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

Fax: (+49) 0731-1420-88

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

1.4 Emergency telephone number

Emergency information services / official advisory body:

Landspitali- The National University Hospital of Iceland, tel. +354 543 2222 or 112 (valid only for Iceland)

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR) +1 872 5888271 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

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)

EUH204-Contains isocyanates. 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 %).



(B)

Page 2 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC)

1907/2006 (< 0,1 %).

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

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a. **3.2 Mixtures**

Reaction mass of ethylbenzene and xylene	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119488216-32-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	905-588-0
CAS	
content %	1-<10
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Flam. Liq. 3, H226
	Acute Tox. 4, H312
	Acute Tox. 4, H332
	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	STOT SE 3, H335
	STOT RE 2, H373 (organs of hearing)
	Asp. Tox. 1, H304
Specific Concentration Limits and ATE	ATE (dermal): 1100 mg/kg
	ATE (as inhalation, Dusts or mist): 1,5 mg/l/4h
	ATE (as inhalation, Vapours): 11 mg/l/4h

Titanium dioxide (in powder form containing 1 % or more of particles	
with aerodynamic diameter <= 10 μm)	
Registration number (REACH)	01-2119489379-17-XXXX
Index	022-006-00-2
EINECS, ELINCS, NLP, REACH-IT List-No.	236-675-5
CAS	13463-67-7
content %	1-5
Classification according to Regulation (FC) 1272/2008 (CLP), M-factors	Carc. 2. H351 (as inhalation)

Polyisocyanate, aliphatic	
Registration number (REACH)	01-2119485796-17-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	931-274-8
CAS	28182-81-2
content %	0,1-<0,5
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 4, H332
	Skin Sens. 1, H317
	STOT SE 3, H335
Specific Concentration Limits and ATE	ATE (as inhalation, Dusts or mist): 1,5 mg/l/4h
	ATE (as inhalation, Vapours): 11 mg/l/4h

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 %	0,01-<0,1



Page 3 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

Classification according to Population (EC) 1272/2009 (CLB) M factors	Acute Tox. 4, H332
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	· ·
	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Skin Sens. 1, H317
	Resp. Sens. 1, H334
	Carc. 2, H351
	STOT SE 3, H335
	STOT RE 2, H373
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 %

m-tolylidene diisocyanate	
Registration number (REACH)	01-2119454791-34-XXXX
Index	615-006-00-4
EINECS, ELINCS, NLP, REACH-IT List-No.	247-722-4
CAS	26471-62-5
content %	0,01-<0,1
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 1, H330
	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Skin Sens. 1, H317
	Resp. Sens. 1, H334
	Carc. 2, H351
	STOT SE 3, H335
	Aquatic Chronic 3, H412
Specific Concentration Limits and ATE	Resp. Sens. 1, H334: >=0,1 %

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.

The addition of the highest concentrations listed here can result in a classification. Only when this classification is listed in Section 2 does it apply. In all other cases the total concentration is below the classification.

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.

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.

Eye contact

Remove contact lenses.

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

Ingestion

Rinse the mouth thoroughly with water.

Consult doctor immediately - keep Data Sheet available.

Do not induce vomiting.

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.

Sensitive individuals:

Allergic reaction possible.



(B)

Page 4 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

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

CO₂

Extinction powder Water jet spray Alcohol resistant foam

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon Toxic gases

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.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

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

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

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

Avoid contact with eyes or skin.

6.1.2 For emergency responders

See 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.

6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to Section 13.

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.

Keep away from sources of ignition - Do not smoke.

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.



Page 5 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

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.

Protect against moisture and store closed.

Protect from frost.

Protect from direct sunlight and warming.

Store in a well ventilated place.

7.3 Specific end use(s)

No information available at present.

Observe special requirements for isocyanates, also within the framework of the risk assessment and definition of protective measures.

Reaction mass of athylhenzone and vylene

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

	1 todolloll lildoo of t	ethylbenzene and xylene		
WEL-TWA: 220 mg/m3 (50 ppm) (WEL-TWA), 50	WEL-STEL: 441 mg/m3 (100 p	opm) (WEL-STEL),	
ppm (221 mg/m3) (EU) (Xylene) / 4	l41mg/m3 (100	100 ppm (442 mg/m3) (EU) (Xyl	ene) / 552 mg/m3	
ppm) (WEL-TWA), 100 ppm (442 m	ig/m3) (EU)	(125 ppm) (WEL-STEL), 200 pp	om (884 mg/m3) (EU)	
(Ethylbenzene)	o , , ,	(Ethylbenzene)	, , , ,	
Monitoring procedures:	I	NSHT MTA/MA-030/A92 (Determine	nation of aromatic hydrod	arbons (benzene, toluene,
	6	ethylbenzene, p-xylene, 1,2,4-trime	thylbenzene) in air - Cha	rcoal tube method / Gas
		chromatography) - 1992 - EU proje		
		OSHA 1002 (Xylenes (o-, m-, p-iso		
		NSHT MTA/MA-030/A92 (Determine		
		ethylbenzene, p-xylene, 1,2,4-trime		
		chromatography) - 1992 - EU proje		
		OSHA 1020 (Trimethylbenzene (mi		10 0010 011 (2001)
		OSHA PV2091 (Trimethylbenzenes		
		Oraeger - Hydrocarbons 0,1%/c (8		
		Draeger - Hydrocarbons 2/a (81 03		!
BMGV: 650 mmol methyl hippuric			Other information: Sk	(WEL) (Yylene) / Sk
, p- or mixed isomers) (BMGV) (Xyle		ir urine, post smit (Aylene, 0-, m-	(WEL) (Ethylbenzene)	(WLL) (Aylerie) / Sk
, p- or mixed isomers) (bividy) (xyle	:iie)		(VVLL) (Lillyiberizerie)	
Chemical Name	Titanium dioxide (i	n powder form containing 1 % or m	ore of particles with	
Chemical Name	aerodynamic diam	eter <= 10 μm)		
WEL-TWA: 10 mg/m3 (total inhala	ble dust), 4 mg/m3	WEL-STEL:		
(respirable dust)				
Monitoring procedures:	-			
				1
BMGV:			Other information:	
BMGV:	Polyisocyanate ali	Inhatic	Other information:	
BMGV: © Chemical Name	Polyisocyanate, ali			
BMGV: BMGV: Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana		phatic WEL-STEL: 0,07 mg/m3 (Isoc		
BMGV: BMGV: Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures:	tes, all (as -NCO))	WEL-STEL: 0,07 mg/m3 (Isoc	yanates, all (as -NCO))	
BMGV: BMGV: BMGV: BMGV: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived	tes, all (as -NCO))	WEL-STEL: 0,07 mg/m3 (Isoc		
BMGV: BMGV: Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures:	tes, all (as -NCO))	WEL-STEL: 0,07 mg/m3 (Isoc	yanates, all (as -NCO))	
BMGV: © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) © Chemical Name	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the	yanates, all (as -NCO))	
BMGV: BMGV: WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Chemical Name	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the	yanates, all (as -NCO)) Other information: Se	
BMGV: © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph tes, all (as -NCO))	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate	yanates, all (as -NCO)) Other information: Se	
BMGV: © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph tes, all (as -NCO)) 2028), 6 µg/m3	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc	yanates, all (as -NCO)) Other information: Se	
BMGV: WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.3 (from 01.01.2029) (measured as NC)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph tes, all (as -NCO)) 2028), 6 µg/m3	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc	yanates, all (as -NCO)) Other information: Se	
BMGV: Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.3 (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph tes, all (as -NCO)) 2028), 6 µg/m3 CO, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL)	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO))	n (Isocyanates, all)
BMGV: Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.3 (from 01.01.2029) (measured as NC)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediphtes, all (as -NCO)) 2028), 6 μg/m3 O, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality –	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total isc	n (Isocyanates, all) ccyanate groups in air using
BMGV: Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.3 (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediphtes, all (as -NCO)) 2028), 6 μg/m3 O, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the menyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total iso liquid chromatography) -	n (Isocyanates, all) ocyanate groups in air using 2007
BMGV: Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Standard Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.3 (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph tes, all (as -NCO)) 2028), 6 µg/m3 CO, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the menyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates in	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total iso liquid chromatography) - n air – Laboratory methoc	ocyanate groups in air using 2007
BMGV: WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.: (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediph tes, all (as -NCO)) 2028), 6 µg/m3 CO, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates in 2-(1-methoxyphenylpiperazine coat)	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total iso liquid chromatography) - n air – Laboratory methor ded glass fibre filters follo	ocyanate groups in air using 2007 d using sampling either onto wed by solvent desorption
BMGV: © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.: (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediphtes, all (as -NCO)) 2028), 6 µg/m3 O, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the menyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates in 2-(1-methoxyphenylpiperazine coat or into impingers and analysis using	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total iso liquid chromatography) - n air – Laboratory methor ded glass fibre filters follog g high performance liquid	ocyanate groups in air using 2007 d using sampling either onto wed by solvent desorption
BMGV: WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.: (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediphtes, all (as -NCO)) 2028), 6 µg/m3 O, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates in 2-(1-methoxyphenylpiperazine coat or into impingers and analysis using EU project BC/CEN/ENTR/000/200	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total isc liquid chromatography) - n air – Laboratory method ded glass fibre filters follog g high performance liquid 12-16 card 7-4 (2004)	ocyanate groups in air using 2007 d using sampling either onto wed by solvent desorption
BMGV: © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.: (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediphtes, all (as -NCO)) 2028), 6 µg/m3 O, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates in 2-(1-methoxyphenylpiperazine coat or into impingers and analysis using EU project BC/CEN/ENTR/000/200 NIOSH 5521 (ISOCYANATES, MO	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total isc liquid chromatography) - n air – Laboratory methoc ted glass fibre filters folloo g high performance liquid 12-16 card 7-4 (2004) NOMERIC) - 1994	ocyanate groups in air using 2007 d using sampling either onto wed by solvent desorption
BMGV: © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) © Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.: (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediphtes, all (as -NCO)) 2028), 6 µg/m3 CO, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total isc liquid chromatography) - n air – Laboratory method ed glass fibre filters follo g high performance liquid 2-16 card 7-4 (2004) NOMERIC) - 1994	ocyanate groups in air using 2007 d using sampling either onto wed by solvent desorption
BMGV: Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana Monitoring procedures: BMGV: 1 µmol isocyanate-derived period of exposure) Chemical Name WEL-TWA: 0,02 mg/m3 (Isocyana (WEL-TWA), 10 µg/m3 (until 31.12.: (from 01.01.2029) (measured as NC (EU)	tes, all (as -NCO)) diamine/mol creatin 4,4'-methylenediphtes, all (as -NCO)) 2028), 6 µg/m3 CO, diisocyanates)	WEL-STEL: 0,07 mg/m3 (Isoc ine in urine (At the end of the nenyl diisocyanate WEL-STEL: 0,07 mg/m3 (Isoc (WEL-STEL) SO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates in 2-(1-methoxyphenylpiperazine coat or into impingers and analysis using EU project BC/CEN/ENTR/000/200 NIOSH 5521 (ISOCYANATES, MO	yanates, all (as -NCO)) Other information: Se yanates, all (as -NCO)) determination of total isc liquid chromatography) - n air – Laboratory method ed glass fibre filters follo g high performance liquid 2-16 card 7-4 (2004) NOMERIC) - 1994	ocyanate groups in air using 2007 d using sampling either onto wed by solvent desorption



B.

Page 6 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024

Liquimate 8100 1K-PUR grau				
		OSHA 18 (Diisocyanates 2,4-TDI a		
		OSHA 47 (Methylene Bisphenyl Iso		
BMGV: 1 µmol isocyanate-derived	diamine/mol creatini	ne in urine (At the end of the		en (Isocyanates, all) (WEL)
period of exposure) (BMGV)			/ (13), (15) (diisocyana	ites) (EU)
Chemical Name	m-tolylidene diisocy	yanate		
WEL-TWA: 0,02 mg/m3 (Isocyana		WEL-STEL: 0,07 mg/m3 (Isoc	yanates, all (as -NCO))	
(WEL-TWA), 10 μg/m3 (until 31.12.2		(WEL-STEL)		
(from 01.01.2029) (measured as NC	O, diisocyanates)			
(EU)				
Monitoring procedures:				
BMGV: 1 µmol isocyanate-derived	diamine/mol creatini	ne in urine (At the end of the		en (Isocyanates, all) (WEL)
period of exposure) (BMGV)			/ (13), (15) (diisocyana	ites) (EU)
© Chemical Name	Poly vinyl chloride			
WEL-TWA: 10 mg/m3 (total inh. du	ust), 4 mg/m3 (res.	WEL-STEL:		
dust)				
Monitoring procedures:	=-			
BMGV:			Other information:	
© Chemical Name	Diisononyl phthalat	e		
WEL-TWA: 5 mg/m3		WEL-STEL:		
Monitoring procedures:	- -			
BMGV:			Other information:	
Chemical Name	Calcium carbonate			
WEL-TWA: 4 mg/m3 (respirable du	ust), 10 mg/m3	WEL-STEL:		
(total inhalable dust)	<i>,.</i> 3			
Monitoring procedures:	-			•
BMGV:			Other information:	
		-	Other information:	

Reaction mass of ethylb Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
and or application	Environmental	2.1001 0.11100.111	Doodiipioi	Value	0	11010
	compartment					
	Environment - freshwater		PNEC	0,327	mg/l	
	Environment - marine		PNEC	0,327	mg/l	
	Environment - sewage treatment plant		PNEC	6,58	mg/l	
	Environment - sediment, freshwater		PNEC	12,46	mg/kg dw	
	Environment - sediment, marine		PNEC	12,46	mg/kg dw	
	Environment - soil		PNEC	2,31	mg/kg dw	
Consumer	Human - oral	Long term, systemic effects	DNEL	12,5	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	65,3	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	260	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	65,3	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	260	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	211	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	221	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	442	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	125	mg/kg bw/d	

Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm)



(B)

Page 7 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 $\,/\,0027$

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,184	mg/l	
	Environment - marine		PNEC	0,0184	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,193	mg/l	
	Environment - sewage treatment plant		PNEC	100	mg/l	
	Environment - sediment, freshwater		PNEC	1000	mg/kg dw	
	Environment - sediment, marine		PNEC	100	mg/kg dw	
	Environment - soil		PNEC	100	mg/kg dw	
	Environment - oral (animal feed)		PNEC	1667	mg/kg feed	
Consumer	Human - oral	Long term, systemic effects	DNEL	700	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	10	mg/m3	

Polyisocyanate, aliphatic						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,127	mg/l	
	Environment - marine		PNEC	0,0127	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1,27	mg/l	
	Environment - sediment, freshwater		PNEC	266700	mg/kg dry weight	
	Environment - sediment, marine		PNEC	26670	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	38,3	mg/l	
	Environment - soil		PNEC	53182	mg/kg dry weight	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,5	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	1	mg/m3	

4,4'-methylenediphenyl diisocyanate						
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - freshwater		PNEC	1	mg/l	
	Environment - marine		PNEC	0,1	mg/l	
	Environment - soil		PNEC	1	mg/kg dw	
	Environment - sewage		PNEC	1	mg/l	
	treatment plant					
	Environment - water,		PNEC	10	mg/l	
	sporadic (intermittent)					
	release					
Consumer	Human - dermal	Short term, systemic	DNEL	25	mg/kg bw/d	
		effects				
Consumer	Human - inhalation	Short term, systemic	DNEL	0,05	mg/m3	
		effects				
Consumer	Human - oral	Short term, systemic	DNEL	20	mg/kg bw/d	
		effects				
Consumer	Human - dermal	Short term, local	DNEL	17,2	mg/cm2	
		effects				



Page 8 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

Consumer	Human - inhalation	Short term, local effects	DNEL	0,05	mg/m3
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,025	mg/m3
Consumer	Human - inhalation	Long term, local effects	DNEL	0,025	mg/m3
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	50	mg/kg bw/d
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	0,1	mg/m3
Workers / employees	Human - dermal	Short term, local effects	DNEL	28,7	mg/cm2
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,1	mg/m3
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,05	mg/m3
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,05	mg/m3

Diisononyl phthalate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - soil		PNEC	30	mg/kg	
	Environment - oral (animal feed)		PNEC	150	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	15,3	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	220	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	4,4	mg/kg	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	366	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	51,72	mg/m3	

- United Kingdom | WEL-TWA = Workplace Exposure Limit Long-term exposure limit 8-hour TWA (= time weighted average) reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
- (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU:
- (8) = Inhalable fraction (2004/37/CE, 2017/164/EU). (9) = Respirable fraction (2004/37/CE, 2017/164/EU). (11) = Inhalable fraction (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 (2004/37/CE).
- | WEL-STEL = Workplace Exposure Limit Short-term exposure limit 15-minute reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
- (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU:
- (8) = Inhalable fraction (2004/37/EC, 2017/164/EU). (9) = Respirable fraction (2004/37/EC, 2017/164/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). |
- | BMGV = Biological monitoring guidance value (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
- (EU) = Directive 98/24/EC or 2004/37/EC or SCOEL (Biological Limit Value BLV, Recommendation from the Scientific Committee on Occupational Exposure Limits (SCOEL)) |
- | Other information (EH40/2005 Workplace exposure limits (Fourth Edition 2020)): Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
- (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU or 2024/869/EU: (13) = The substance can cause sensitisation of the skin and of the respiratory tract (98/24/EC, 2004/37/CE), (14) = The substance can cause sensitisation of the skin (2004/37/CE), (15) = Substantial contribution to the total body burden via dermal exposure possible.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

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

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

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.



Page 9 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

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

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.

Eve/face protection:

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374).

With long-term contact:

Protective Viton® / fluoroelastomer gloves (EN ISO 374).

Minimum layer thickness in mm:

0,7

Permeation time (penetration time) in minutes:

> 15

With short-term contact:

Protective nitrile gloves (EN ISO 374).

Minimum layer thickness in mm:

0.12

Protective hand cream recommended.

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

The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

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

Respiratory protection:

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown

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

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: Characteristic

Melting point/freezing point: There is no information available on this parameter. Boiling point or initial boiling point and boiling range:

139 °C

There is no information available on this parameter. (Part III, sub-Flammability:

section 33.2.1 of the UN Manual of Tests and Criteria)

0,4 Vol-%

Lower explosion limit:



Page 10 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

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

Explosives:

Oxidizing solids: Solvents content:

7,6 Vol-%

Does not apply to solids.

420 °C

There is no information available on this parameter.

Mixture is non-soluble (in water).

There is no information available on this parameter.

reacts with water, Insoluble Does not apply to mixtures.

7-9 hPa (20°C) 1,37 g/cm3 (20°C) Does not apply to solids.

There is no information available on this parameter.

Product is not explosive.

No

6 % (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

Protect from humidity.

10.5 Incompatible materials

Water

Alcohols

Amines

Acids Bases

10.6 Hazardous decomposition products

On contact with water - CO2 can develop.

CO2 formation in closed tanks causes pressure to rise.

Pressure increase will result in danger of bursting.

SECTION 11: Toxicological information

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

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

iquimate 8100 1K-PUR grau	Endneint	Value	I Init	Organiam	Test method	Notes
Toxicity / effect	Endpoint	value	Unit	Organism	rest method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity -						n.d.a.
single exposure (STOT-SE):						
Specific target organ toxicity -						n.d.a.
repeated exposure (STOT-RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.



Page 11 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	3523-4000	mg/kg	Rat	Regulation (EC) 440/2008 B.1 (ACUTE	
					ORAL TOXICITY)	
Acute toxicity, by dermal route:	ATE	1100	mg/kg			
Acute toxicity, by inhalation:	ATE	11	mg/l/4h			Vapours
Acute toxicity, by inhalation:	ATE	1,5	mg/l/4h			Dusts or mist
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact)
Specific target organ toxicity - single exposure (STOT-SE), inhalative:						Irritation of the respiratory tract, STOT SE 3, H335
Symptoms:						drowsiness, headaches, fatigue, dizziness, unconsciousness , nausea and vomiting.

Titanium dioxide (in powder fo						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 425 (Acute Oral Toxicity - Up-and-Down Procedure)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>5,09-6,8	mg/l/4h	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant, 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:				Mammalian	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	(Ames-Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity (Developmental toxicity):				Rat	OECD 414 (Prenatal Developmental Toxicity Study)	No indications of such an effect.
Specific target organ toxicity - single exposure (STOT-SE):						Not irritant (respiratory tract)
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	3500	mg/kg/d	Rat		(90d)



B.

Page 12 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	10	mg/m3	Rat	(90d)
Symptoms:					mucous membrane irritation, coughing, respiratory distress, drying of the skin.

Polyisocyanate, aliphatic Toxicity / effect	Endneint	Value	Unit	Organiam	Test method	Notes
	Endpoint			Organism		
Acute toxicity, by oral route:	LD50	>2500	mg/kg	Rat	OECD 423 (Acute Oral	Female
					Toxicity - Acute Toxic	
A	1.050	0000		D (Class Method)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute	
					Dermal Toxicity)	
Acute toxicity, by inhalation:	ATE	1,5	mg/l/4h			Dusts or mist
Acute toxicity, by inhalation:	ATE	11	mg/l/4h			Vapours
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Slightly irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Slightly irritant
					Irritation/Corrosion)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (skin
sensitisation:					Sensitisation)	contact)
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative
					Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
,				typhimurium	Reverse Mutation Test)	
Reproductive toxicity:					,	Negative
Specific target organ toxicity -						May cause
single exposure (STOT-SE),						respiratory
inhalative:						irritation.
Specific target organ toxicity -	NOEL	4,3	mg/m3	Rat	OECD 412 (Subacute	
repeated exposure (STOT-RE),					Inhalation Toxicity - 28-	
inhalat.:					Day Study)	
Specific target organ toxicity -	NOAEL	3,3	mg/m3	Rat	OECD 413 (Subchronic	Aerosol
repeated exposure (STOT-RE),		-,-	g,c		Inhalation Toxicity - 90-	
inhalat.:					Day Study)	

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>10000	mg/kg	Rat	OECD 401 (Acute Oral	
					Toxicity)	
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	Regulation (EC)	
					440/2008 B.1 (ACUTE	
					ORAL TOXICITY)	
Acute toxicity, by dermal route:	LD50	>9400	mg/kg	Rabbit	OECD 402 (Acute	
					Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>2,24	mg/l/4h	Rat	OECD 403 (Acute	Aerosol
					Inhalation Toxicity)	
Acute toxicity, by inhalation:	LC50	0,368	mg/l/4h	Rat	OECD 403 (Acute	Does not
					Inhalation Toxicity)	conform with EU
						classification.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Irritant,
					Dermal	Analogous
					Irritation/Corrosion)	conclusion
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Irritant,
					Irritation/Corrosion)	Analogous
						conclusion



Page 13 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Respiratory or skin				Mouse	OECD 429 (Skin	Yes (skin
sensitisation:				Mouse	Sensitisation - Local	\
sensitisation.						contact),
					Lymph Node Assay)	Analogous
				—		conclusion
Respiratory or skin				Guinea pig		Yes (inhalation)
sensitisation:						
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian Erythrocyte	Negative
					Micronucleus Test)	
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative,
					Reverse Mutation Test)	Analogous
					,	conclusion
Carcinogenicity:					OECD 453 (Combined	Analogous
					Chronic	conclusion,
					Toxicity/Carcinogenicity	Limited evidence
					Studies)	of a carcinogenic
					,	effect.
Reproductive toxicity:	NOAEL	4	mg/m3	Rat	OECD 414 (Prenatal	Negative,
,					Developmental Toxicity	Analogous
					Study)	conclusion
Specific target organ toxicity -					,	Irritation of the
single exposure (STOT-SE),						respiratory tract
inhalative:						,
Specific target organ toxicity -						Irritation of the
single exposure (STOT-SE),						respiratory tract,
inhalative:						Target organ(s):
iiiiaiaiivo.						respiratory
						system
Symptoms:						respiratory
Cymptomo.						distress.
						coughing,
						mucous
						membrane
						irritation
						IIIIalion

m-tolylidene diisocyanate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	5800	mg/kg	Rat		
Symptoms:						asthmatic
						symptoms,
						breathing
						difficulties, eyes,
						reddened,
						coughing,
						mucous
						membrane
						irritation

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>10000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>3160	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>4,4	mg/l/4h	Rat	Limit-Test	Aerosol
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	Regulation (EC) 440/2008 B.6 (SKIN SENSITISATION)	No (skin contact)
Germ cell mutagenicity:					(Ames-Test)	Negative



Page 14 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

Symptoms:			diarrhoea,
			nausea and
			vomiting.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	·	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>3	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant, Mechanical irritation possible
Respiratory or skin sensitisation:						No (skin contact)
Germ cell mutagenicity:					in vitro	Negative
Carcinogenicity:						Negative, administered as Ca-lactate
Reproductive toxicity:						Negative, administered as Ca-carbonate

11.2. Information on other hazards

Liquimate 8100 1K-PUR grau						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Endocrine disrupting properties:						Does not apply
						to mixtures.
Other information:						No other
						relevant
						information
						available on
						adverse effects
						on health.

SECTION 12: Ecological information

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

Liquimate 8100 1K-PUR	grau						
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	-						n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and							n.d.a.
degradability:							
12.3. Bioaccumulative							n.d.a.
potential:							
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							
12.6. Endocrine							Does not apply
disrupting properties:							to mixtures.



Page 15 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

12.7. Other adverse effects:				No information available on other adverse effects on the environment.
Other information:	AOX	10-20	%	Contains organically bound halogens, which may contribute to the AOX value in wastewater.
Other information:				DOC-elimination degree(complexi ng organic substance)>= 80%/28d: n.a.

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	2,6	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	Analogous conclusion
12.1. Toxicity to daphnia:	EC50	48h	>3,4	mg/l	Ceriodaphnia spec.	,	
12.1. Toxicity to algae:	EC50	72h	1,3	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion
12.2. Persistence and degradability:		28d	90	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		25,9				Low, Analogous conclusion
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	LC50	48h	>100	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
			 			Test)	
12.1. Toxicity to algae:	EC50	72h	16	mg/l	Pseudokirchneriell	U.S. EPA-600/9-	
					a subcapitata	78-018	
12.2. Persistence and							Not relevant for
degradability:							inorganic
10.0.0	505	40.1					substances.
12.3. Bioaccumulative	BCF	42d	9,6				Not to be
potential:	DOE	441	40.050				expected
12.3. Bioaccumulative	BCF	14d	19-352				Oncorhynchus
potential:							mykiss
12.4. Mobility in soil:							Negative
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
					 		vPvB substance
Toxicity to bacteria:			>5000	mg/l	Escherichia coli		



Page 16 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Toxicity to bacteria:	LC0	24h	>10000	mg/l	Pseudomonas	
					fluorescens	
Toxicity to annelids:	NOEC/NOEL		>1000	mg/kg	Eisenia foetida	
Water solubility:						Insoluble20°C

Polyisocyanate, aliphatic Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity	
12.1. Toxicity to daphnia:	EC10	48h	>100	mg/l	Daphnia magna	Test) OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	EL50	48h	127	mg/l	Daphnia magna	Regulation (EC) 440/2008 C.2 (DAPHNIA SP. ACUTE IMMOBILISATION TEST)	
12.1. Toxicity to algae:	ErC50	72h	>1000	mg/l	Scenedesmus subspicatus	DIN 38412 T.9	
12.1. Toxicity to algae:	IC50	72h	>100	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	0	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	Not readily biodegradable
12.2. Persistence and degradability:		28d	1	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Not readily biodegradable
12.3. Bioaccumulative potential:	BCF		367,7			,	
12.3. Bioaccumulative potential:	Log Kow		3,2				Concentration in organisms possible., calculated value
12.4. Mobility in soil:	H (Henry)		<0,0000 01	Pa*m3/m ol			25°C
12.4. Mobility in soil:	Log Koc		7,3-7,8				
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))	

4,4'-methylenediphenyl diisocyanate										
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes			
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)				
12.1. Toxicity to fish:	LC0	96h	>1000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	Analogous conclusion			



B.

Page 17 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

12.1. Toxicity to daphnia:	EC50	24h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	Analogous conclusion
12.1. Toxicity to algae:	EC50	72h	1,5	mg/l		OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	72h	1640	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion
12.1. Toxicity to algae:	NOEC/NOEL	72h	1640	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion
12.2. Persistence and degradability:		28d	0	%	activated sludge	OECD 302 C (Inherent Biodegradability - Modified MITI Test (II))	With water at the interface, transforms slowly with formation of CO2 into a firm, insoluble reaction produce with a high melting point (polycarbamide: According to experience available to date polycarbamide: inert and non-degradable.
12.2. Persistence and degradability:	BOD	28d	0	%		OECD 302 C (Inherent Biodegradability - Modified MITI Test (II))	With water at the interface, transforms slowly with formation of CO2 into a firm, insoluble reaction product with a high melting point (polycarbamide) According to experience available to date polycarbamide i inert and non-degradable.
12.3. Bioaccumulative potential:	BCF	28d	200		Cyprinus caprio	OECD 305 (Bioconcentration - Flow-Through Fish Test)	A notable biological accumulation potential has to be expected (LogPow > 3).
12.3. Bioaccumulative potential:	Log Pow		4,51- 5,22			OECD 117 (Partition Coefficient (n- octanol/water) - HPLC method)	A notable biological accumulation potential has to be expected (LogPow > 3).
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance



Page 18 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Toxicity to bacteria:	EC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Toxicity to bacteria:	EC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	Analogous conclusion
Other information:							Does not contain any organically bound halogens which can contribute to the AOX value in waste water.
Toxicity to annelids:	EC50	14d	>= 1000	mg/kg	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	

Poly vinyl chloride								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.2. Persistence and							Not	
degradability:							biodegradable	
12.5. Results of PBT							No PBT	
and vPvB assessment							substance, No	
							vPvB substance	

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>102	mg/l	Brachydanio rerio	92/69/EC	
12.1. Toxicity to daphnia:	EC50	48h	>=74	mg/l	Daphnia magna	84/449/EEC C.2	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>=100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	88	mg/l	Scenedesmus subspicatus	,	
12.1. Toxicity to algae:	EC50	72h	>88	mg/l	Scenedesmus subspicatus	84/449/EEC C.3	
12.2. Persistence and degradability:		28d	81	%	activated sludge	Regulation (EC) 440/2008 C.4-C (DETERMINATIO N OF 'READY' BIODEGRADABILI TY - CO2 EVOLUTION TEST)	Readily biodegradable
12.2. Persistence and degradability:		28d	80-90	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable



B.

Page 19 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

12.3. Bioaccumulative potential:	Log Kow		8,8-9,7			OECD 117 (Partition Coefficient (n- octanol/water) - HPLC method)	Analogous conclusion
12.3. Bioaccumulative potential:	BCF	14d	<3				Analogous conclusion
12.4. Mobility in soil:	Koc		>5000				
12.4. Mobility in soil:	H (Henry)		0,00000 149	atm*m3/m ol			
Toxicity to bacteria:	EC50	30min	>83,9	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	NOEC/NOEL	56d	>982,4	mg/kg	Eisenia foetida		
Other organisms:	LC50	14d	>7372	mg/kg	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	

Calcium carbonate Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Oncorhynchus	OECD 203 (Fish,	140165
12.1. TOXICITY TO IISH.	LC30	9011	>100	1119/1	mykiss	Acute Toxicity	
					IIIykiss	Test)	
12.1. Toxicity to fish:	LC50	96h	>10000	m a/l	Oncorhynchus	Test)	
12.1. TOXICILY TO IISTI.	LC50	9611	>10000	mg/l			
40.4 T : ''	E050	401	4000	//	mykiss		
12.1. Toxicity to daphnia:	EC50	48h	>1000	mg/l	Daphnia magna	0505.000	
12.1. Toxicity to daphnia:	EC50	48h	>100	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EC50	72h	>200	mg/l	Desmodesmus	OECD 201 (Alga,	
, ,					subspicatus	Growth Inhibition	
						Test)	
12.2. Persistence and						,	Inorganic
degradability:							products canno
acgradability.							be eliminated
							from water
							through
							biological
							purification
10.0 5:							methods.
12.3. Bioaccumulative							Not relevant for
potential:							inorganic
							substances.
12.4. Mobility in soil:							Not relevant for
							inorganic
							substances.
12.5. Results of PBT							Not relevant for
and vPvB assessment							inorganic
							substances.
12.6. Endocrine							Not to be
disrupting properties:							expected



Page 20 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Toxicity to annelids:					Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	Negative

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 09 waste adhesives and sealants containing organic solvents or other hazardous substances

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

08 04 11 adhesive and sealant sludges containing organic solvents or other hazardous substances

08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

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.

SECTION 14: Transport information

General statements

Transport by road/by rail (ADR/RID)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es): Not applicable 14.4. Packing group: Not applicable 14.5. Environmental hazards: Not applicable Tunnel restriction code: Not applicable Classification code: Not applicable LQ: Not applicable Transport category: Not applicable

Transport by sea (IMDG-code)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es): Not applicable 14.4. Packing group: Not applicable 14.5. Environmental hazards: Not applicable Marine Pollutant: Not applicable Not applicable EmS:

Transport by air (IATA)

14.1. UN number or ID number: Not applicable



Page 21 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es): Not applicable 14.4. Packing group: Not applicable 14.5. Environmental hazards: 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 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)!

Regulation (EC) No 1907/2006, Annex XVII

4,4'-methylenediphenyl diisocyanate

m-tolylidene diisocyanate

General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

6 %

National requirements/regulations on safety and health protection must be applied when using work equipment.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

8

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.

H226 Flammable liquid and vapour.

H351 Suspected of causing cancer by inhalation.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Flam. Liq. — Flammable liquid

Acute Tox. — Acute toxicity - dermal Acute Tox. — Acute toxicity - inhalation

Skin Irrit. — Skin irritation

Eye Irrit. — Eye irritation

STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation

STOT RE — Specific target organ toxicity - repeated exposure

Asp. Tox. — Aspiration hazard

Carc. — Carcinogenicity

Skin Sens. — Skin sensitization



Page 22 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

Resp. Sens. — Respiratory sensitization

Aquatic Chronic — Hazardous to the aquatic environment - chronic

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

approx. approximately

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)

BCF Bioconcentration factor

BSEF The International Bromine Council

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances

and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

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)

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 European Norms

EPA United States Environmental Protection Agency (United States of America)

ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)

etc. et cetera

EU European Union

EVAL Ethylene-vinyl alcohol copolymer

Fax. Fax number gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

Koc Adsorption coefficient of organic carbon in the soil

Kow octanol-water partition coefficient

IARC International Agency for Research on Cancer IATA International Air Transport Association IBC (Code) International Bulk Chemical (Code)

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive



Page 23 of 23

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

Revision date / version: 22.11.2024 / 0028

Replacing version dated / version: 20.03.2024 / 0027

Valid from: 22.11.2024 PDF print date: 22.11.2024 Liquimate 8100 1K-PUR grau

IUCLID International Uniform Chemical Information Database

IUPAC International Union for Pure Applied Chemistry LC50 Lethal Concentration to 50 % of a test population

LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)

Log Koc Logarithm of adsorption coefficient of organic carbon in the soil Log Kow, Log Pow Logarithm of octanol-water partition coefficient

LQ **Limited Quantities**

MARPOL International Convention for the Prevention of Marine Pollution from Ships

mg/kg body weight mg/kg bw

mg/kg bw/d, mg/kg bw/day mg/kg body weight/day

mg/kg dw mg/kg dry weight mg/kg wwt mg/kg wet weight

not applicable n.a. n.av. not available not checked n.c. n.d.a. no data available

NIOSH National Institute for Occupational Safety and Health (USA)

NLP No-longer-Polymer

NOEC, NOEL No Observed Effect Concentration/Level

OECD Organisation for Economic Co-operation and Development

org. organic

OSHA Occupational Safety and Health Administration (USA)

PBT persistent, bioaccumulative and toxic

ΡF Polyethylene

PNEC Predicted No Effect Concentration

parts per million ppm PVC Polyvinylchloride

REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration,

Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 6/7/8/9xx-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-

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

Telephone Tel.

TOC Total organic carbon

United Nations Recommendations on the Transport of Dangerous Goods **UN RTDG**

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

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.

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.