

Page 1 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

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

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

1.1 Product identifier

(GB)

Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

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

Adhesive Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

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

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

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

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

SECTION 2: Hazards identification

	n of the substance or mix cording to Regulation (E	
Hazard class	Hazard category	Hazard statement
Acute Tox.	4	H332-Harmful if inhaled.
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).



Page 2 of 33

œ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

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



Danger

H332-Harmful if inhaled. 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).

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.

P201-Obtain special instructions before use. P260-Do not breathe vapours or spray. P271-Use only outdoors or in a well-ventilated area. P280-Wear protective gloves / protective clothing / eye protection / face protection. P284-Wear respiratory protection.

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.

P405-Store locked up.

P501-Dispose of contents / container to an approved waste disposal facility.

EUH204-Contains isocyanates. May produce an allergic reaction.

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1

according to standard EN 14387) is used.

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 isocyanate 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

^{n.a.} 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



Page 3 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 4, H332
	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 %
	ATE (as inhalation): 1,5 mg/l/4h

4,4'-methylenediphenyl diisocyanate			
Registration number (REACH)	01-2119457014-47-XXXX 615-005-00-9		
Index			
EINECS, ELINCS, NLP, REACH-IT List-No.	202-966-0		
CAS	101-68-8		
content %	10-<20		
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 4, H332		
	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	
Registration number (REACH)	01-2119457015-45-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	905-806-4
CAS	
content %	1-<10
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, 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 %
	STOT SE 3, H335: >=5 %

Methylenediphenyl diisocyanate, modified	
Registration number (REACH)	01-2119457013-49-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	500-040-3
CAS	25686-28-6
content %	1-<10



Page 4 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

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, 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 %
	STOT SE 3, H335: >=5 %

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

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

ആ

Remove person from danger area.

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

Skin contact

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

Eye contact

Remove contact lenses.

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

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. eyes, reddened watering eyes reddening of the skin Dermatitis (skin inflammation) Allergic reaction Coughing In case of sensitivity, concentrations below the limit value may already result in asthmatic symptoms.

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

Water jet spray / alcohol resistant foam / CO2 / dry extinguisher.

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:



Page 5 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Oxides of carbon Oxides of nitrogen Isocyanates Hydrocyanic acid (hydrogen cyanide) Toxic gases Danger of bursting (explosion) when heated

5.3 Advice for firefighters

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

Full protection, if necessary.

ആ

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.

Keep unprotected persons away.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

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

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

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) 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 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.



Page 6 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Avoid exposure to moist air and water. Store in a dry place.

7.3 Specific end use(s)

œ)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Diphenylmethane	diisocyanate, isomeres and homolo	gues	Content %:10- <25
WEL-TWA: 0,02 mg/m3 (Isocyana	tes, all (as -NCO))	WEL-STEL: 0,07 mg/m3 (Isoc	yanates, all (as -NCO))	
Monitoring procedures:				
BMGV: 1 µmol isocyanate-derived period of exposure)	diamine/mol creat	nine in urine (At the end of the	Other information: Se NCO))	en (Isocyanates, all (as -
⁽⁶⁶⁾ Chemical Name	4,4'-methylenedip	ohenyl diisocyanate		Content %:10- <20
WEL-TWA: 0,02 mg/m3 (Isocyana	tes, all (as -NCO))	WEL-STEL: 0,07 mg/m3 (Isoc		
Monitoring procedures:	- - - - - - -	ISO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates i 2-(1-methoxyphenylpiperazine coa or into impingers and analysis usin EU project BC/CEN/ENTR/000/200 NIOSH 5521 (ISOCYANATES, MC NIOSH 5522 (ISOCYANATES) - 15 NIOSH 5525 (ISOCYANATES, TO OSHA 18 (Diisocyanates 2,4-TDI a OSHA 47 (Methylene Bisphenyl Iso	liquid chromatography) - n air – Laboratory method ted glass fibre filters follo g high performance liquid 02-16 card 7-4 (2004) NOMERIC) - 1994 098 TAL (MAP)) - 2003 nd MDI) - 1980 ocyanate (MDI)) - 1984	2007 d using sampling either onto wed by solvent desorption d chromatography) - 2015 -
BMGV: 1 µmol isocyanate-derived	diamine/mol creat	nine in urine (At the end of the		en (Isocyanates, all (as -
period of exposure)			NCO))	
Chemical Name		4,4'-methylenediphenyl diisocyana	te and o-(p-	Content %:1-<10
WEL-TWA: 0,02 mg/m3 (Isocyana)phenyl isocyanate WEL-STEL: 0,07 mg/m3 (Isoc		
Monitoring procedures:	(as - NCO))		yanales, all (as -NCO))	
BMGV: 1 µmol isocyanate-derived period of exposure)	diamine/mol creat	nine in urine (At the end of the	Other information: Se NCO))	en (Isocyanates, all (as -
Chemical Name	Methylenediphen	yl diisocyanate, modified		Content %:1-<10
WEL-TWA: 0,02 mg/m3 (Isocyana	tes, all (as -NCO))	WEL-STEL: 0,07 mg/m3 (Isoc	yanates, all (as -NCO))	
Monitoring procedures: BMGV: 1 µmol isocyanate-derived	- diamina/mal arast	ISO 16702 (Workplace air quality – 2-(1-methoxyphenylpiperazine and MDHS 25/4 (Organic isocyanates i 2-(1-methoxyphenylpiperazine coa or into impingers and analysis usin ping in uring (At the end of the	liquid chromatography) - n air – Laboratory method ted glass fibre filters follor	2007 d using sampling either onto wed by solvent desorption d chromatography) - 2015
period of exposure)			Other Information	
Chemical Name	Talc			Content %:
WEL-TWA: 1 mg/m3 (res. dust)		WEL-STEL:		
Monitoring procedures: BMGV:			Other information:	
				•
Chemical Name	Silica, amorphou			Content %:
WEL-TWA: 6 mg/m3 (total inh. dus	st), 2,4 mg/m3	WEL-STEL:		
(resp. dust) Monitoring procedures:				
BMGV:			Other information:	
4,4'-methylenediphenyl diisocyana	ate			



Page 7 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	3,7	µg/l	
	Environment - marine		PNEC	0,37	µg/l	
	Environment - sewage		PNEC	1	mg/l	
	treatment plant				-	
	Environment - soil		PNEC	2,33	mg/kg dw	
	Environment - sporadic		PNEC	37	µg/l	
	(intermittent) release					
	Environment - sediment,		PNEC	11,7	mg/kg dry	
	freshwater				weight	
	Environment - sediment,		PNEC	1,17	mg/kg dry	
	marine				weight	
Consumer	Human - oral	Short term, systemic	DNEL	20	mg/kg	
		effects			bw/day	
Consumer	Human - dermal	Short term, local effects	DNEL	17,2	mg/cm2	
Consumer	Human - dermal	Short term, systemic	DNEL	25	mg/kg	
		effects		_	bw/day	
Consumer	Human - inhalation	Short term, local	DNEL	0,05	mg/m3	
		effects				
Consumer	Human - inhalation	Short term, systemic	DNEL	0,05	mg/m3	
		effects				
Consumer	Human - inhalation	Long term, local effects	DNEL	0,025	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,025	mg/m3	
Workers / employees	Human - dermal	Short term, local	DNEL	28,7	mg/cm2	
		effects				
Workers / employees	Human - dermal	Short term, systemic	DNEL	50	mg/kg	
		effects			bw/day	
Workers / employees	Human - inhalation	Short term, local	DNEL	0,1	mg/m3	
		effects				
Workers / employees	Human - inhalation	Short term, systemic	DNEL	0,1	mg/m3	
		effects				
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,05	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,05	mg/m3	

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
			PNEC	37		
	Environment - freshwater			<u>.</u>	µg/l	
	Environment - marine		PNEC	0,37	µg/l	
	Environment - soil		PNEC	2,33	mg/kg	
	Environment - sewage treatment plant		PNEC	1	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	3,7	µg/l	
	Environment - sediment, freshwater		PNEC	11,7	mg/kg dry weight	
	Environment - sediment, marine		PNEC	1,17	mg/kg dry weight	
Consumer	Human - inhalation	Long term, local effects	DNEL	0,025	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	0,05	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,1	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,05	mg/m3	



Page 8 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

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

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

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

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision. (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls 8.2.1 Appropriate engineering controls

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

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

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

These are specified by e.g. EN 14042.

ആ

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.

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

Skin protection - Hand protection: Chemical resistant protective gloves (EN ISO 374). If applicable Protective gloves in butyl rubber (EN ISO 374). Protective Neoprene® / polychloroprene gloves (EN ISO 374). Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm: 0,5 Permeation time (penetration time) in minutes:

480 Protective hand cream recommended.

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

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

Respiratory protection: Normally not necessary.

Thermal hazards: Not applicable

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.



Page 9 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

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

8.2.3 Environmental exposure controls

No information available at present.

œ

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Paste, liquid.
Colour:	Black
Odour:	Slightly
Melting point/freezing point:	There is no information available on this parameter.
Boiling point or initial boiling point and boiling range:	There is no information available on this parameter.
Flammability:	Combustible.
Lower explosion limit:	There is no information available on this parameter.
Upper explosion limit:	There is no information available on this parameter.
Flash point:	There is no information available on this parameter.
Auto-ignition temperature:	There is no information available on this parameter.
Decomposition temperature:	There is no information available on this parameter.
pH:	Mixture reacts with water.
Kinematic viscosity:	60 Pas (Thixotrope, Dynamic viscosity)
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	1,28 g/cm3
Relative vapour density:	There is no information available on this parameter.
Particle characteristics:	Does not apply to liquids.
9.2 Other information	
Explosives:	Product is not explosive.
Oxidising liquids:	No
Bulk density:	Does not apply to liquids.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested. **10.2 Chemical stability** Stable with proper storage and handling. **10.3 Possibility of hazardous reactions** No dangerous reactions are known. **10.4 Conditions to avoid** See also section 7. Moisture **10.5 Incompatible materials** See also section 7. Avoid contact with strong alkalis. Avoid contact with strong oxidizing agents. Avoid contact with strong acids. **10.6 Hazardous decomposition products**

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

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



Safety data sheet according to R		No 1907/2006, A	Annex II			
Revision date / version: 28.02.20		10001				
Replacing version dated / versior	n: 01.11.2021	/ 0021				
/alid from: 28.02.2022						
PDF print date: 01.03.2022	 (A)					
Liquimate 7700 Mini Rapid Kartu						
Liquimate 7700 Mini Rapid cartri	uge (A)					
Possibly more information on hea	alth effects se	e Section 2.1 (cla	ssification)			
Liquimate 7700 Mini Rapid Kar		000000112.11 (014	comoutorij.			
Liquimate 7700 Mini Rapid cart						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:	ATE	4,29	mg/l/4h			calculated value
			_			Aerosol
Acute toxicity, by inhalation:	ATE	31,47	mg/l/4h			calculated value
						Vapours
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.
	•					
Diphenylmethanediisocyanate,			l l mit	Organiam	To at math ad	Nataa
Toxicity / effect Acute toxicity, by oral route:	Endpoint LD50	Value >5000	Unit	Organism Rat	Test method OECD 401 (Acute Oral	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	Toxicity)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute	
Acute toxicity, by definial route.	LDJU	20000	iiig/kg	Rabbit	Dermal Toxicity)	
Acute toxicity, by inhalation:	ATE	1,5	mg/l/4h		Definial Foxiolity)	Expert
	/=	1,0				judgement.
Acute toxicity, by inhalation:	LC50	0,31-0,49	mg/l/4h	Rat	OECD 403 (Acute	Aerosol. Does
		-,,	3		Inhalation Toxicity)	not conform with
					, , , , , , , , , , , , , , , , , , ,	EU classification
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Skin Irrit. 2
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Eye Irrit. 2
, ,					Irritation/Corrosion)	
Respiratory or skin				Mouse	OECD 429 (Skin	Yes (skin
sensitisation:					Sensitisation - Local	contact),
					Lymph Node Assay)	Analogous
						conclusion
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (skin
sensitisation:					Sensitisation)	contact)
Respiratory or skin				Rat		Yes (inhalation)
sensitisation:						
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian	Negative,
					Erythrocyte	Analogous
					Micronucleus Test)	conclusion
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
				typhimurium	Reverse Mutation Test)	
	NOAEL	4	mg/m3	Rat	OECD 414 (Prenatal	Aerosol,
Reproductive toxicity:					Developmental Toxicity	Negative
Reproductive toxicity:		1			Study)	
				Rat	OECD 453 (Combined	
Reproductive toxicity: Carcinogenicity:				Rat	Chronic	evidence of a
				Rat		Aerosol, Limited evidence of a carcinogenic effect.



GB						
Page 11 of 33		N- 4007/0000	A			
Safety data sheet according to F Revision date / version: 28.02.20		No 1907/2006	5, Annex II			
Replacing version dated / version		/ 0021				
Valid from: 28.02.2022	11. 01.11.2021	/ 0021				
PDF print date: 01.03.2022						
Liquimate 7700 Mini Rapid Karti	ische (A)					
Liquimate 7700 Mini Rapid cartr						
Specific target organ toxicity -						Target organ(s):
single exposure (STOT-SE),						respiratory
inhalative:						system, May
						cause
						respiratory
						irritation.
Specific target organ toxicity -						Target organ(s):
repeated exposure (STOT-RE),						respiratory
inhalat.:						system
Symptoms:						breathing
						difficulties
Specific target organ toxicity -	LOAEL	1	mg/m3	Rat	OECD 453 (Combined	Aerosol,
repeated exposure (STOT-RE),					Chronic	Analogous
inhalat.:					Toxicity/Carcinogenicity	conclusion
0 10 1 1 1				.	Studies)	
Specific target organ toxicity -	NOAEL	0,2	mg/m3	Rat	OECD 453 (Combined	Aerosol,
repeated exposure (STOT-RE),					Chronic	Analogous
inhalat.:					Toxicity/Carcinogenicity Studies)	conclusion
					Studies)	
4,4'-methylenediphenyl diisoc	vanato					
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	Regulation (EC)	Analogous
, louie toxioly, by ordi route.	2000	22000			440/2008 B.1 (ACUTE	conclusion
					ORAL TOXICITY)	
Acute toxicity, by dermal route:	LD50	>9400	mg/kg	Rabbit	OECD 402 (Acute	Analogous
					Dermal Toxicity)	conclusion
Acute toxicity, by inhalation:	LC50	0,368	mg/l/4h	Rat	OECD 403 (Acute	Aerosol, Does
			Ű		Inhalation Toxicity)	not conform with
						EU classification

					Dennal TOxicity)	CONClusion
Acute toxicity, by inhalation:	LC50	0,368	mg/l/4h	Rat	OECD 403 (Acute	Aerosol, Does
			-		Inhalation Toxicity)	not conform with
						EU classification.
Acute toxicity, by inhalation:	LC50	1,5	mg/l/4h			Aerosol, Expert
<i></i>			Ŭ			judgement.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Skin Irrit. 2.
					Dermal	Analogous
					Irritation/Corrosion)	conclusion
Respiratory or skin				Guinea pig		Yes (inhalation)
sensitisation:						,
Respiratory or skin				Mouse	OECD 429 (Skin	Skin Sens. 1
sensitisation:					Sensitisation - Local	
					Lymph Node Assay)	
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative,
0, 1				typhimurium	Reverse Mutation Test)	Analogous
					,	conclusion
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian	Negativemale
					Erythrocyte	
					Micronucleus Test)	
Germ cell mutagenicity:				Rat	OECD 489 (In Vivo	Negativemale
					Mammalian Alkaline	
					Comet Assay)	
Carcinogenicity:				Rat	OECD 453 (Combined	Aerosol,
					Chronic	Analogous
					Toxicity/Carcinogenicity	conclusion,
					Studies)	Carc. 2
Reproductive toxicity:	NOAEL	4-12	mg/m3	Rat	OECD 414 (Prenatal	Aerosol,
-			_		Developmental Toxicity	Analogous
					Study)	conclusion
Specific target organ toxicity -						May cause
single exposure (STOT-SE),						respiratory
inhalative:						irritation.



Page 12 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

				-		
Specific target organ toxicity -	LOAEL	1	mg/m3	Rat	OECD 453 (Combined	Aerosol,
repeated exposure (STOT-RE),					Chronic	Analogous
inhalat.:					Toxicity/Carcinogenicity	conclusion,
					Studies)	Target organ(s):
						respiratory
						system
Specific target organ toxicity -	NOAEL	0,2	mg/m3	Rat	OECD 453 (Combined	Aerosol,
repeated exposure (STOT-RE),					Chronic	Analogous
inhalat.:					Toxicity/Carcinogenicity	conclusion,
					Studies)	Target organ(s):
						respiratory
						system

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	> 10000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	> 9400	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	0,49	mg/l/4h	Rat		Mist, Dust:, Does not conform with EU classification.
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Irritant
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (inhalation
sensitisation:					Sensitisation)	and skin contact)
Germ cell mutagenicity:				Salmonella	Regulation (EC)	Negative
				typhimurium	440/2008 B.13/B.14	
					(REVERSE MUTATION	
					TEST USING	
					BACTERIA)	
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian	Negative
					Erythrocyte	
					Micronucleus Test)	
Carcinogenicity:				Rat	OECD 453 (Combined	Carc. 2
					Chronic	
					Toxicity/Carcinogenicity	
					Studies)	

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 401 (Acute Oral	Analogous
					Toxicity)	conclusion
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Skin Irrit. 2
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Eye Irrit. 2
					Irritation/Corrosion)	
Respiratory or skin				Mouse		Yes (inhalation)
sensitisation:						
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (skin
sensitisation:					Sensitisation)	contact)
Germ cell mutagenicity:				Salmonella	Regulation (EC)	Negative
				typhimurium	440/2008 B.13/B.14	
					(REVERSE MUTATION	
					TEST USING	
					BACTERIA)	
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian	Negative
					Erythrocyte	
					Micronucleus Test)	
Specific target organ toxicity -	NOEC	0,2	mg/m3	Rat	OECD 453 (Combined	
repeated exposure (STOT-RE),					Chronic	
inhalat.:					Toxicity/Carcinogenicity	
					Studies)	



Page 13 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Talc

œ)

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Skin corrosion/irritation:						Not irritant
Respiratory or skin sensitisation:						Not sensitizising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:				Rat		Negative
Symptoms:						mucous membrane irritation

Silica, amorphous						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 423 (Acute Oral	
					Toxicity - Acute Toxic	
					Class Method)	
Acute toxicity, by dermal route:	LD50	> 2000	mg/kg	Rat	OECD 402 (Acute	
					Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant
					Irritation/Corrosion)	
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	
Aspiration hazard:						No

11.2. Information on other hazards

Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)										
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	Possibly more information on environmental effects, see Section 2.1 (classification).										
Liquimate 7700 Mini Rapid Kartusche (A)											
Liquimate 7700 Mini Rapid cartridge (A)											
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.				



Page 14 of 33 Safety data sheet accord Revision date / version: 2 Replacing version dated / Valid from: 28.02.2022 PDF print date: 01.03.202 Liquimate 7700 Mini Rap Liquimate 7700 Mini Rap	8.02.2022 / 0022 / version: 01.11.2 22 id Kartusche (A)	2	07/2006, An	nex II			
12.2. Persistence and degradability: 12.3. Bioaccumulative							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 is inert and non- degradable. n.d.a.
potential:							
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Endocrine disrupting properties: 12.7. Other adverse effects:							Does not apply to mixtures. No information available on other adverse effects on the environment.
Disk such set to see 1"							
Diphenylmethanediisoc Toxicity / effect	yanate, isomere Endpoint	s and hom Time	ologues Value	Unit	Organism	Test method	Notes
			- tuiuo				

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Other organisms:	NOEC/NOEL	14d	>1000	mg/kg	Avena sativa	OECD 208	
-						(Terrestrial Plants,	
						Growth Test)	
12.1. Toxicity to fish:	LC0	96h	>1000	mg/l	Brachydanio rerio	OECD 203 (Fish,	
						Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>=10	mg/l	Daphnia magna	OECD 211	
						(Daphnia magna	
						Reproduction Test)	
12.1. Toxicity to daphnia:	EC50	24h	>1000	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	ErC50	72h	>1640	mg/l	Scenedesmus	OECD 201 (Alga,	
					subspicatus	Growth Inhibition	
						Test)	



Page 15 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

12.2. Persistence and		28d	0	%	activated sludge	OECD 302 C	Not
degradability:						(Inherent Biodegradability - Modified MITI Test (II))	biodegradable, According to experience available to date polycarbamide is inert and non- degradable., With water at the interface, transforms slowly with formation of CO2 into a firm, insoluble reaction product with a high melting point
							(polycarbamide).
12.3. Bioaccumulative potential:	BCF	42d	<14		Cyprinus carpio	OECD 305 (Bioconcentration - Flow-Through Fish Test)	Not to be expected
12.5. Results of PBT and vPvB assessment							No vPvB substance, No PBT substance
Toxicity to bacteria:	EC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	NOEC/NOEL	14d	>1000	mg/kg	Lactuca sativa	OECD 208 (Terrestrial Plants, Growth Test)	
Toxicity to annelids:	NOEC/NOEL	14d	>1000	mg/kg	Lumbricus terrestris	OECD 207 (Earthworm, Acute Toxicity Tests)	

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Other information:							According to experience available to date polycarbamide is inert and non- degradable., With water at the interface, transforms slowly with formation of CO2 into a firm, insoluble reaction product with a high melting point (polycarbamide)
12.4. Mobility in soil:	H (Henry)		0,0229	Pa*m3/m ol			(porysurbarnad)



Page 16 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	Analogous conclusion
12.2. Persistence and degradability:		28d	0	%		OECD 302 C (Inherent Biodegradability - Modified MITI Test (II))	Not biodegradable, 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 is inert and non- degradable., Analogous conclusion
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 daphnia:	NOEC/NOEL	21d	>10	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	Analogous conclusion
12.3. Bioaccumulative potential:	Log Pow		5,22				A notable biological accumulation potential has to be expected (LogPow > 3).
12.1. Toxicity to algae:	ErC50	72h	>1640	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion
12.3. Bioaccumulative potential: 12.5. Results of PBT	BCF	28d	200		Cyprinus caprio	IUCLID Chem. Data Sheet (ESIS)	Not to be expected No PBT
and vPvB assessment							substance, No vPvB substance
Other information:	AOX						Does not contair any organically bound halogens which can contribute to the AOX value in waste water.
Toxicity to bacteria:	EC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	Analogous conclusion



Page 17 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Other organisms:	NOEC/NOEL	14d	>1000	mg/kg	Lactuca sativa	OECD 208	Analogous
						(Terrestrial Plants,	conclusion
						Growth Test)	
Other organisms:	NOEC/NOEL	14d	>1000	mg/kg	Avena sativa	OECD 208	Analogous
_						(Terrestrial Plants,	conclusion
						Growth Test)	
Toxicity to annelids:	NOEC/NOEL	14d	> 1000	mg/kg	Lumbricus	OECD 207	Analogous
					terrestris	(Earthworm,	conclusion
						Acute Toxicity	
						Tests)	
Toxicity to annelids:	EC50	14d	>1000	mg/kg	Eisenia foetida	OECD 207	Analogous
-						(Earthworm,	conclusion
						Acute Toxicity	
						Tests)	

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and degradability:		28d	0	%	activated sludge	OECD 302 C (Inherent Biodegradability - Modified MITI Test (II))	
12.3. Bioaccumulative potential:	BCF		200				Not to be expected
12.1. Toxicity to fish:	LC50	96h	> 1000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>10	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to daphnia:	EC50	24h	> 1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity to bacteria:	EC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

oxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and	-	28d	0	%	activated sludge	OECD 302 C	
degradability:						(Inherent	
						Biodegradability -	
						Modified MITI	
						Test (II))	
12.3. Bioaccumulative	BCF		200			OECD 305	Not to be
potential:						(Bioconcentration -	expected
						Flow-Through	
						Fish Test)	
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Brachydanio rerio	OECD 203 (Fish,	
						Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>=10	mg/l	Daphnia magna	OECD 211	
						(Daphnia magna	
						Reproduction Test)	



Page 18 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

GB

Toxicity to bacteria:	EC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
-----------------------	------	----	------	------	------------------	--	--

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Water solubility:			<0,1	%			
12.2. Persistence and							Not relevant for
degradability:							inorganic
							substances.
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:	ECO	96h	>10000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC0	24h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	ErC50	72h	>=10000	mg/l	Scenedesmus 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

allocated under certain circumstances. (2014/955/EU)

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

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.



Page 19 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements	
14.1. UN number or ID number:	n.a.
Transport by road/by rail (ADR/RID)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	
Transport by sea (IMDG-code)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Marine Pollutant:	n.a
14.5. Environmental hazards:	Not applicable
Transport by air (IATA)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user	

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:

അ

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

4,4'-methylenediphenyl diisocyanate

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

Methylenediphenyl diisocyanate, modified

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC):

0 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

1

Revised sections:

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

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



Page 20 of 33

ആ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Acute Tox. 4, H332	Classification according to calculation procedure.
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.

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.

Acute Tox. - Acute toxicity - inhalation

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

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 (Germanv).

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 Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAM

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)



ആ Page 21 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A) BCF **Bioconcentration factor** BSEF The International Bromine Council body weight bw CAS **Chemical Abstracts Service** CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.a. EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants) European Community EC 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 FN European Norms EPA United States Environmental Protection Agency (United States of America) ErCx, $E\mu Cx$, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) et cetera etc. FU European Union EVAL Ethylene-vinyl alcohol copolymer Fax number Fax. gen. general Globally Harmonized System of Classification and Labelling of Chemicals GHS GWP Global warming potential Adsorption coefficient of organic carbon in the soil Koc octanol-water partition coefficient Kow IARC International Agency for Research on Cancer International Air Transport Association IATA IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods incl. including, inclusive IUCLID International Uniform Chemical Information Database IUPAC International Union for Pure Applied Chemistry Lethal Concentration to 50 % of a test population LC50 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 Limited Quantities LQ MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable n.a. not available n.av. 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 ΡE Polyethylene PNEC Predicted No Effect Concentration ppm parts per million PVC Polyvinylchloride REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) **REACH-IT List-No.** 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.



Page 22 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

 RID
 Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

 SVHC
 Substances of Very High Concern

 Tel.
 Telephone

 TOC
 Total organic carbon

 UN RTDG
 United Nations Recommendations on the Transport of Dangerous Goods

 VOC
 Volatile organic compounds

 vPvB
 very persistent and very bioaccumulative

 wwt
 wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by:

GB

Chemical Check GmbH, 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.



Page 23 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0022 Replacing version dated / version: 01.11.2021 / 0021 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (A) Liquimate 7700 Mini Rapid cartridge (A)

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

Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

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

Adhesive

അ

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

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

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

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

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

+1 872 5888271 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture 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)

Not applicable

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



Page 24 of 33

œ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

3.1 Substances

n.a. 3.2 Mixtures

Registration number (REACH)	
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	
CAS	
content %	
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

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

Skin contact

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

Eye contact

Remove contact lenses.

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

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water jet spray/foam/CO2/dry extinguisher

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 Oxides of nitrogen 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. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures



Page 25 of 33

œ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

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.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

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

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

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) 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 contact with eyes or skin. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

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

7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells. Store product closed and only in original packing. Store at room temperature. Store in a dry place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Talc			Content %:
WEL-TWA: 1 mg/m3 (res. dust)		WEL-STEL:		
Monitoring procedures:	-			
BMGV:			Other information:	
Chemical Name	Silica, amorphous			Content %:
WEL-TWA: 6 mg/m3 (total inh. dus	st), 2,4 mg/m3	WEL-STEL:		
(resp. dust)				
Monitoring procedures:	-			



Page 26 of 33

ആ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

BMGV: ---

Other information: ---

Oxydipropanol Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
Area of application	Environmental	Effect of fieldin	Descriptor	Value		Note
	compartment					
	Environment - freshwater		PNEC	0,1	mg/l	
	Environment - marine		PNEC	0,01	mg/l	
	Environment - sporadic (intermittent) release		PNEC	1	mg/l	
	Environment - sewage treatment plant		PNEC	1000	mg/l	
	Environment - sediment, freshwater		PNEC	0,238	mg/kg	
	Environment - marine		PNEC	0.0238	mg/kg	
	Environment - soil		PNEC	0,0253	mg/kg	
	Environment - oral (animal feed)		PNEC	313	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	51	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	70	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	24	mg/kg	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	84	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	238	mg/m3	

Zeolites						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	3,2	mg/l	
	Environment - marine		PNEC	0,32	mg/l	
	Environment - soil		PNEC	600	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	95	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	1,25	mg/kg body weight/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	1,25	mg/kg body weight/day	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	2,5	mg/kg body weight/day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	3	mg/m3	

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

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE).
(11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

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



Page 27 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

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

8.2 Exposure controls 8.2.1 Appropriate engineering controls

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

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

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

These are specified by e.g. EN 14042.

ആ

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.

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

Skin protection - Hand protection: Chemical resistant protective gloves (EN ISO 374). Recommended Protective gloves in butyl rubber (EN ISO 374). Protective Neoprene® / polychloroprene gloves (EN ISO 374). Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm: 0,5 Permeation time (penetration time) in minutes: 480

Protective hand cream recommended.

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

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

Respiratory protection: Normally not necessary.

Thermal hazards: Not applicable

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

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

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

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties



Page 28 of 33

ആ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower explosion limit: 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: Oxidising liquids:

Paste, liquid. White Slightly There is no information available on this parameter. There is no information available on this parameter. Not combustible There is no information available on this parameter. Mixture is non-soluble (in water). 50 Pas (Dynamic viscosity) Insoluble Does not apply to mixtures. There is no information available on this parameter. 1,21 g/cm3 There is no information available on this parameter. Does not apply to liquids.

Product is not explosive. No

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

Pressure increase will result in danger of bursting. No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

None known

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

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

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

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by inhalation:	ATE	>20	mg/l/4h			calculated value
			_			Vapours
Acute toxicity, by inhalation:	ATE	>5	mg/l/4h			calculated value
			_			Aerosol
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.



Page 29 of 33 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

œ)

Tala

Respiratory or skin		n.d.a.
sensitisation:		
Germ cell mutagenicity:		n.d.a.
Carcinogenicity:		n.d.a.
Reproductive toxicity:		n.d.a.
Specific target organ toxicity -		n.d.a.
single exposure (STOT-SE):		
Specific target organ toxicity -		n.d.a.
repeated exposure (STOT-RE):		
Aspiration hazard:		n.d.a.
Symptoms:		n.d.a.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Skin corrosion/irritation:						Not irritant
Respiratory or skin sensitisation:						Not sensitizising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:				Rat		Negative
Symptoms:						mucous membrane irritation

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 423 (Acute Oral	
					Toxicity - Acute Toxic	
					Class Method)	
Acute toxicity, by dermal route:	LD50	> 2000	mg/kg	Rat	OECD 402 (Acute	
					Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant
					Irritation/Corrosion)	
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
· ·					Reverse Mutation Test)	_
Aspiration hazard:						No

11.2. Information on other hazards

Liquimate 7700 Mini Rapid Kart Liquimate 7700 Mini Rapid cart						
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.
						on health.

SECTION 12: Ecological information



-@}							
Page 30 of 33							
Safety data sheet accordi	ng to Regulation	(EC) No 190	07/2006. Ann	ex II			
Revision date / version: 28				0,111			
Replacing version dated /							
Valid from: 28.02.2022							
PDF print date: 01.03.202	2						
Liquimate 7700 Mini Rapi							
Liquimate 7700 Mini Rapi							
i	• • •						
Possibly more information	on environment	al effects, se	ee Section 2.7	1 (classificat	tion).		
Liquimate 7700 Mini Rap							
Liquimate 7700 Mini Rap		<u> </u>					
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: 12.5. Results of PBT							n.d.a. n.d.a.
and vPvB assessment							n.u.a.
12.6. Endocrine							Does not apply
disrupting properties:							to mixtures.
12.7. Other adverse							No information
effects:							available on
							other adverse
							effects on the
							environment.
Other information:							According to the
							recipe, contains
							no AOX.
Talc							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity / effect Water solubility:	Endpoint	Time	Value <0,1	Unit %	Organism	Test method	
Toxicity / effectWater solubility:12.2. Persistence and	Endpoint	Time			Organism	Test method	Not relevant for
Toxicity / effect Water solubility:	Endpoint	Time			Organism	Test method	Not relevant for inorganic
Toxicity / effect Water solubility: 12.2. Persistence and degradability:	Endpoint	Time			Organism	Test method	Not relevant for inorganic substances.
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT	Endpoint	Time			Organism	Test method	Not relevant for inorganic substances. No PBT
Toxicity / effect Water solubility: 12.2. Persistence and degradability:	Endpoint	Time			Organism	Test method	Not relevant for inorganic substances. No PBT substance, No
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT	Endpoint	Time			Organism	Test method	Not relevant for inorganic substances. No PBT
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT	Endpoint	Time			Organism	Test method	Not relevant for inorganic substances. No PBT substance, No
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous		Time		%			Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effectWater solubility:12.2. Persistence and degradability:12.5. Results of PBT and vPvB assessment	Endpoint Endpoint EC0		<0,1		Organism Organism Organism Brachydanio rerio	Test method Test method OECD 203 (Fish,	Not relevant for inorganic substances. No PBT substance, No
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect	Endpoint	Time	<0,1	%	Organism	Test method	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish:	Endpoint EC0	Time 96h	<0,1	% Unit mg/l	Organism Brachydanio rerio	Test method OECD 203 (Fish, Acute Toxicity Test)	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect	Endpoint	Time	<0,1	%	Organism	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish:	Endpoint EC0	Time 96h	<0,1	% Unit mg/l	Organism Brachydanio rerio	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp.	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish:	Endpoint EC0	Time 96h	<0,1	% Unit mg/l	Organism Brachydanio rerio	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish:	Endpoint EC0	Time 96h	<0,1	% Unit mg/l	Organism Brachydanio rerio	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test)	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish:	Endpoint EC0	Time 96h	<0,1	% Unit mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga,	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to algae:	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga,	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to algae: 12.2. Persistence and	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to algae:	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to algae: 12.2. Persistence and	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to algae: 12.2. Persistence and	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to algae: 12.2. Persistence and	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to algae: 12.2. Persistence and	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.2. Persistence and degradability:	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes Inorganic products cannot be eliminated from water through biological purification methods.
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.2. Persistence and degradability: 12.5. Results of PBT 12.6. Results of PBT	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes Inorganic products cannot be eliminated from water through biological purification methods. No PBT
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.2. Persistence and degradability:	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes Notes
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.2. Persistence and degradability: 12.5. Results of PBT 12.6. Results of PBT	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes Inorganic products cannot be eliminated from water through biological purification methods. No PBT
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.2. Persistence and degradability: 12.5. Results of PBT	Endpoint EC0 EC0	Time 96h 24h	<0,1 Value >10000 >1000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes Inorganic products cannot be eliminated from water through biological purification methods. No PBT substance, No
Toxicity / effect Water solubility: 12.2. Persistence and degradability: 12.5. Results of PBT and vPvB assessment Silica, amorphous Toxicity / effect 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.2. Persistence and degradability: 12.5. Results of PBT	Endpoint EC0 EC0 ErC50	Time 96h 24h 72h	<0,1 Value >10000 >10000 =100000	% Unit mg/l mg/l	Organism Brachydanio rerio Daphnia magna Scenedesmus	Test method OECD 203 (Fish, Acute Toxicity Test) OECD 202 (Daphnia sp. Acute Immobilisation Test) OECD 201 (Alga, Growth Inhibition	Not relevant for inorganic substances. No PBT substance, No vPvB substance Notes Inorganic products cannot be eliminated from water through biological purification methods. No PBT substance, No



Page 31 of 33

ആ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.: The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU) 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09 Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. suitable incineration plant. E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations.

Recommendation:

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

14.1. UN number or ID number:	n.a.
	11.0.
Transport by road/by rail (ADR/RID)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	
Transport by sea (IMDG-code)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Marine Pollutant:	n.a
14.5. Environmental hazards:	Not applicable
Transport by air (IATA)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user	

Unless specified otherwise, general measures for safe 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:

General hygiene measures for the handling of chemicals are applicable. 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.



Page 32 of 33

ആ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 28.02.2022 / 0017 Replacing version dated / version: 01.11.2021 / 0016 Valid from: 28.02.2022 PDF print date: 01.03.2022 Liquimate 7700 Mini Rapid Kartusche (B) Liquimate 7700 Mini Rapid cartridge (B)

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

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

Not applicable

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

Key literature references and sources for data:

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

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

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

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

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

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

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

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

Any abbreviations and acronyms used in this document:

according, according to acc., acc. to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds approx. approximately Article number Art., Art. no. 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 body weight hw CAS **Chemical Abstracts Service** CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon dw dry weight e.a. 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 European Inventory of Existing Commercial Chemical Substances EINECS



-@
Page 33 of 33
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 28.02.2022 / 0017
Replacing version dated / version: 01.11.2021 / 0016
Valid from: 28.02.2022
PDF print date: 01.03.2022
Liquimate 7700 Mini Rapid Kartusche (B)
Liquimate 7700 Mini Rapid cartridge (B)
ELINCS European List of Notified Chemical Substances
Elines European Norms
EPA United States Environmental Protection Agency (United States of America)
$ErCx$, $E\mu Cx$, $ErLx$ (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
etc. et cetera
EU European Union
EVAL Ethylene-vinyl alcohol copolymer
Fax. Fax number
gen. general
GHS Globally Harmonized System of Classification and Labelling of Chemicals
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
IUCLID International Uniform Chemical Information Database
IUPAC International Union for Pure Applied Chemistry
LC50 Lethal Concentration to 50 % of a test population
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient
LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
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
PE Polyethylene
PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration,
Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List
Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International
Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern
Tel. Telephone
TOC Total organic carbon
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
wwt wet weight
-
The statements made here should describe the product with regard to the necessary safety precautions - they are
not meant to quarantee definite characteristics - but they are based on our present up to date knowledge

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

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