

Page 1 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

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

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

No information available at present.

1.3 Details of the supplier of the safety data sheet

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

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

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

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (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)

EUH210-Safety data sheet available on request. EUH211-Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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 %).



Page 2 of 21

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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a. 3.2 Mixtures

Titanium dioxide (in powder form containing 1 % or more of particles	
with aerodynamic diameter <= 10 μm)	
Registration number (REACH)	
Index	022-006-002
EINECS, ELINCS, NLP	236-675-5
CAS	13463-67-7
content %	1-5
Classification according to Regulation (EC) 1272/2008 (CLP)	Carc. 2, H351 (as inhalation)
Trimethoxyvinylsilane	
Registration number (REACH)	01-2119513215-52-XXXX
Index	
EINECS, ELINCS, NLP	220-449-8
CAS	2768-02-7
content %	<2
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226
	Acute Tox. 4, H332

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

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

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

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

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

Skin contact

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

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult 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. The following may occur:

Skin irritation possible with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire.



Page 3 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

Water jet spray/foam/CO2/dry extinguisher Unsuitable extinguishing media None known

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Calcium oxide Oxides of carbon Silicon dioxide Oxides of nitrogen Fume Metal oxides Oxides of sulphur Methanol Toxic gases

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5.3 Advice for firefighters

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

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air. Avoid contact with eyes or skin. If applicable, caution - risk of slipping.

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.

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. Avoid long lasting or intensive contact with skin. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

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

Store product closed and only in original packing. Not to be stored in gangways or stair wells. Protect from direct sunlight and warming.

Protect from frost. Store in a well ventilated place.

Store in a dry place.



œ Page 4 of 21

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

7.3 Specific end use(s) No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Titanium dioxide (ir aerodynamic diame	<pre>powder form containing 1 % or eter <= 10 um)</pre>	more of particl	es with	Co	ontent %:1-5
WEL-TWA: 10 mg/m3 (total (respirable dust)		WEL-STEL:				
Monitoring procedures:		-				
BMGV:			Other inform	nation:		
Chemical Name	Diisononyl phthalat	8			(Content %:
WEL-TWA: 5 mg/m3		WEL-STEL:				
Monitoring procedures:		-				
BMGV:			Other inform	nation:		
B Chemical Name	Carbon black				(Content %:
WEL-TWA: 3,5 mg/m3		WEL-STEL: 7 mg/m3				
Monitoring procedures:		-				
BMGV:			Other inform	nation:		
B Chemical Name	Calcium carbonate				(Content %:
WEL-TWA: 4 mg/m3 (respire	able dust), 10 mg/m3	WEL-STEL:				
(total inhalable dust)						
Monitoring procedures: BMGV:		-	Other inforr	nation [.]		-
-			Other Infor			
Chemical Name	Bis(2-propylheptyl)				-	Content %:
WEL-TWA: 5 mg/m3 (DIDP, Monitoring procedures:	DINP)	WEL-STEL:				
BMGV:		-	Other inform	nation		
						-
Chemical Name WEL-TWA: 200 ppm (266 m	Methanol	WEL-STEL: 250 ppm (333 r				Content %:
(260 mg/m3) (EU)	ig/m3) (₩EL), 200 ppm	WEL-STEL. 250 ppm (333 r	ng/ms (WEL)			
Monitoring procedures:	- D	raeger - Alcohol 25/a Methanol	(81 01 631)			
		ompur - KITA-119 SA (549 640				
		compur - KITA-119 U (549 657)				
		FG Meth. Nr. 6 (D) (Loesungsn				es 6) - 2013,
		002 - EU project BC/CEN/ENT		card 65-1 (2	004)	
		IIOSH 2000 (METHANOL) - 199 IIOSH 2549 (VOLATILE ORGAI			ENING)) - 100	3
		IOSH 3800 (ORGANIC AND IN				
		PECTROMETRY) - 2016				
		raeger - Alcohol 100/a (CH 29	701)			
BMGV:			Other inform	nation: Sk	(WEL, EU)	
		ore of particles with aerodyn			1	
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					

Environmental				
compartment				
Environment - freshwater	PNEC	0,184	mg/l	
Environment - marine	PNEC	0,0184	mg/l	
Environment - water, sporadic (intermittent) release	PNEC	0,193	mg/l	
Environment - sewage treatment plant	PNEC	100	mg/l	



Page 5 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

	Environment - sediment,		PNEC	1000	mg/kg dw	
	freshwater					
	Environment - sediment,		PNEC	100	mg/kg dw	
	marine					
	Environment - soil		PNEC	100	mg/kg dw	
	Environment - oral (animal		PNEC	1667	mg/kg feed	
	feed)					
Consumer	Human - oral	Long term, systemic	DNEL	700	mg/kg bw/d	
		effects				
Workers / employees	Human - inhalation	Long term, local effects	DNEL	10	mg/m3	

Trimethoxyvinylsilane Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,4	mg/l	Für entspreche ndes Silantriol (Hydrolysp odukt) ermittelt.
	Environment - marine		PNEC	0,04	mg/l	Für entspreche ndes Silantriol (Hydrolysp odukt) ermittelt.
	Environment - water, sporadic (intermittent) release		PNEC	2,4	mg/l	Für entsprech ndes Silantriol (Hydrolysp odukt) ermittelt.
	Environment - sewage treatment plant		PNEC	6,6	mg/l	Für entsprech ndes Silantriol (Hydrolys odukt) ermittelt.
	Environment - sediment, freshwater		PNEC	1,5	mg/kg dw	Für entsprech ndes Silantriol (Hydrolysj odukt) ermittelt.
	Environment - sediment, marine		PNEC	0,15	mg/kg dw	Für entsprech ndes Silantriol (Hydrolys odukt) ermittelt.



Page 6 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

	Environment - soil		PNEC	0,06	mg/kg dw	Für entspreche ndes Silantriol (Hydrolyspr odukt) ermittelt.
Consumer	Human - dermal	Short term, systemic effects	DNEL	0,1	mg/kg bw/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,1	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,7	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,1	mg/kg bw/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	93,4	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,2	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	2,6	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	4,9	mg/m3	

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

Carbon black						
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - freshwater		PNEC	1	mg/l	
	Environment - marine		PNEC	0,1	mg/l	

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



Safety data sheet according Revision date / version: 14. Replacing version dated / v Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosserie	ersion: 27.04.2020 / 0002	6, Annex II				
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m3	
Bis(2-propylheptyl) phtha					1	
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Consumer	Human - inhalation	Long term, systemic effects	DNEL	8,52	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	61,25	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	4,9	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	28,8	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	102,08	mg/kg bw/day	
Methanol						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	154	mg/l	
	Environment - marine		PNEC	15,4	mg/l	
	Environment - sediment, freshwater		PNEC	570,4	mg/kg	
	Environment - sediment, marine		PNEC	57,04	mg/kg	
	Environment - soil		PNEC	23,5	mg/kg	
	Environment - water, sporadic (intermittent) release		PNEC	1540	mg/l	
	Environment - sewage treatment plant		PNEC	100	mg/l	
	Environment - freshwater		PNEC	20,8	mg/l	
	Environment - marine		PNEC	2,08	mg/l	<u> </u>
	Environment - sediment		PNEC	77	mg/kg	
	Environment - sediment		PNEC	7,7	mg/kg	<u> </u>
Consumer	Human - inhalation	Short term, local effects	DNEL	50	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	50	mg/m3	
Consumer	Human - dermal	Short term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	50	mg/m3	<u> </u>
Consumer	Human - oral	Short term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	50	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	8	mg/kg body weight/day	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	40	mg/kg body weight/day	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	260	mg/m3	



Page 8 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

Workers / employees	Human - inhalation	Short term, local effects	DNEL	260	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	40	mg/kg body weight/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	260	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	260	mg/m3	

(B) 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.

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:

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

Skin protection - Hand protection: Protective gloves in butyl rubber (EN 374). Minimum layer thickness in mm: 0,7

Permeation time (penetration time) in minutes:

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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: Usual protective working garments

Respiratory protection: Normally not necessary.

Thermal hazards: Not applicable



Page 9 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties Physical state: Paste, liquid.

Physical state: Colour: Odour: Odour threshold: pH-value: Melting point/freezing point: Initial boiling point and boiling range: Flash point: Evaporation rate: Flammability (solid, gas): Lower explosive limit: Upper explosive limit: Vapour pressure: Vapour density (air = 1): Density: Bulk density: Solubility(ies): Water solubility: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties: Oxidising properties:

9.2 Other information

Miscibility: Fat solubility / solvent: Conductivity: Surface tension: Solvents content:

According to specification Characteristic Not determined Not determined Not determined Not determined >100 °C Not determined Not determined Not determined 2,9 Vol-% 15 hPa (20°C) Not determined 1,63 g/cm3 (20°C, DIN 53479) Not determined Not determined Insoluble Not determined 420 °C (Ignition temperature) Not determined Not determined Not determined Not determined

Not determined Not determined Not determined Not determined 0,5 % (Organic solvents)

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested. **10.2 Chemical stability** Stable with proper storage and handling. **10.3 Possibility of hazardous reactions** No dangerous reactions are known. **10.4 Conditions to avoid** Moisture **10.5 Incompatible materials**

Avoid contact with strong oxidizing agents. Avoid contact with strong acids.

10.6 Hazardous decomposition products



œ) Page 10 of 21

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

In case of contact with water: Methanol

SECTION 11: Toxicological information

11.1 Information on toxicological effects Possibly more information on health effects, see Section 2.1 (classification). Liquimate 8400 Karosseriedichtmasse weiss

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

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 425 (Acute Oral	
					Toxicity - Up-and-Down	
					Procedure)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LD50	>6,8	mg/l/4h	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant,
					Irritation/Corrosion)	Mechanical
						irritation possible
Respiratory or skin				Mouse	OECD 429 (Skin	Not sensitizising
sensitisation:					Sensitisation - Local	_
					Lymph Node Assay)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	No (skin contact
sensitisation:					Sensitisation)	
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian	Negative
					Erythrocyte	
					Micronucleus Test)	
Germ cell mutagenicity:				Salmonella	(Ames-Test)	Negative
				typhimurium		
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative
					Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:					OECD 476 (In Vitro	Negative
					Mammalian Cell Gene	
					Mutation Test)	
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	-
Reproductive toxicity				Rat	OECD 414 (Prenatal	No indications of
(Developmental toxicity):					Developmental Toxicity	such an effect.
					Study)	
Specific target organ toxicity -					• •	Not irritant
single exposure (STOT-SE):						(respiratory tract



Page 11 of 21 Safety data sheet according to R Revision date / version: 14.10.20 Replacing version dated / versior Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtm	20 / 0003 n: 27.04.2020		5, Annex II			
Symptoms:						mucous membrane irritation, coughing, respiratory distress, drying of the skin.
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	3500	mg/kg/d	Rat		90d
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	10	mg/m3	Rat		90d
Trimothovuvinydoilono						
Trimethoxyvinylsilane Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	7120	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	3200	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LD50	2773	ppm/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Acute toxicity, by inhalation:	LC50	16,8	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Vapours
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Slightly irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:	NOAEL	1000	mg/kg	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	Negative
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	10	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	Vapours
Symptoms:						drowsiness, dizziness, nausea, abdominal pain, breathing difficulties, visua disturbances

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>10000	mg/kg	Rat	OECD 401 (Acute Oral	
					Toxicity)	
Acute toxicity, by dermal route:	LD50	>3160	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>4,4	mg/l/4h	Rat	Limit-Test	Aerosol
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	



Safety data sheet according to Re Revision date / version: 14.10.20 Replacing version dated / version Valid from: 14.10.2020 PDF print date: 15.10.2020	20 / 0003					
Liquimate 8400 Karosseriedichtm	asse weiss					
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	Regulation (EC) 440/2008 B.6 (SKIN SENSITISATION)	No (skin contact)
Germ cell mutagenicity:					(Ames-Test)	Negative
Symptoms:						diarrhoea, nausea and vomiting.
Carbon black	-			-	_	
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route: Skin corrosion/irritation:	LD50	>3000	mg/kg	Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:				Mouse		Negative
Specific target organ toxicity - repeated exposure (STOT-RE):	NOEL	0,0011	mg/l			References, Target organ(s): lung90d
Aspiration hazard:		107				No
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	137	mg/kg	Mouse		
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	52	mg/kg	Rat		
Calcium carbonate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>3	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:	1	1			,	No indications of



Page 120 d21 Statisty data allow according to Regulation (EC) No 1907/2006, Annoxi II Revision data / version: 14.10.2020 / 0003 No El No el data / version: 14.10.2020 / 0003 No el data / version: 14.10.2020 / 0003 No indications of support of the element of	- (68)						
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watering eyes, nausea, mental							
nausea, mental	1	1			1		disturbances,
confusion							
							nausea, mental



Image 14 of 21

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

SECTION 12: Ecological information

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

Liquimate 8400 Karosse							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and							n.d.a.
degradability:							
12.3. Bioaccumulative							n.d.a.
potential:							
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							
12.6. Other adverse							n.d.a.
effects:							

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Oncorhynchus	OECD 203 (Fish,	
-				_	mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	LC50	48h	>100	mg/l	Daphnia magna	OECD 202	
				-		(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EC50	72h	16	mg/l	Pseudokirchneriell	U.S. EPA-600/9-	
					a subcapitata	78-018	
12.2. Persistence and							Not relevant for
degradability:							inorganic
							substances.
12.3. Bioaccumulative	BCF	42d	9,6				Not to be
potential:							expected
12.3. Bioaccumulative	BCF	14d	19-352				Oncorhynchus
potential:							mykiss
12.4. Mobility in soil:							Negative
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
Toxicity to bacteria:			>5000	mg/l	Escherichia coli		
Toxicity to bacteria:	LC0	24h	>10000	mg/l	Pseudomonas		
					fluorescens		
Toxicity to annelids:	NOEC/NOEL		>1000	mg/kg	Eisenia foetida		
Water solubility:							Insoluble20°C

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	191	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	28	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to daphnia:	EC50	48h	169	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	>957	mg/l	Scenedesmus subspicatus	,	88/302/EC



B Page 15 of 21

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	51	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50	3h	>2500	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
12.1. Toxicity to fish:	LC50	96h	>102	mg/l	Brachydanio rerio	92/69/EC	
12.1. Toxicity to daphnia:	EC50	48h	>=74	mg/l	Daphnia magna	84/449/EEC C.2	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>=100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	88	mg/l	Scenedesmus subspicatus		
12.1. Toxicity to algae:	EC50	72h	>88	mg/l	Scenedesmus subspicatus	84/449/EEC C.3	
12.2. Persistence and degradability:		28d	81	%	activated sludge	Regulation (EC) 440/2008 C.4-C (DETERMINATIO N OF 'READY' BIODEGRADABILI TY - CO2 EVOLUTION TEST)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Kow		8,8-9,7			OECD 117 (Partition Coefficient (n- octanol/water) - HPLC method)	Analogous conclusion
12.3. Bioaccumulative potential:	BCF	14d	<3				Analogous conclusion
12.4. Mobility in soil:	Koc		>5000				
12.4. Mobility in soil:	H (Henry)		0,00000 149	atm*m3/m ol			
Toxicity to bacteria:	EC50	30min	>83,9	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	NOEC/NOEL	56d	>982,4	mg/kg	Eisenia foetida		
Other organisms:	LC50	14d	>7372	mg/kg	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	



Page 16 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Water solubility:							Insoluble, Product floats on the water surface.
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	Sundle.
12.1. Toxicity to daphnia:	EC50	24h	>5600	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	NOEC/NOEL	3d	10000	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability: 12.3. Bioaccumulative							Not biodegradable Not to be
potential:							expected
Toxicity to bacteria:	EC0	3h	>=800	mg/l	activated sludge	Regulation (EC) 440/2008 C.22 (SOIL MICROORGANIS MS - CARBON TRANSFORMATI ON TEST)	

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h			Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	No observation with saturated solution of test material.
12.1. Toxicity to daphnia:	EC50	48h			Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	No observation with saturated solution of test material.
12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Not relevant for inorganic substances.
12.3. Bioaccumulative potential:							Not to be expected
12.4. Mobility in soil:							n.a.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substanc
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	



Page 17 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

Toxicity to bacteria:	NOEC/NOEL	3h	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium	
Other organisms:	EC50	21d	>1000	mg/kg dw		Oxidation)) OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersicon esculentum
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersicon esculentum
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	EC50	14d	>1000	mg/kg dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	NOEC/NOEL	14d	1000	mg/kg dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	EC50	28d	>1000	mg/kg dw		OECD 216 (Soil Microorganisms - Nitrogen Transformation Test)	
Other organisms:	NOEC/NOEL	28d	1000	mg/kg dw		OECD 216 (Soil Microorganisms - Nitrogen Transformation Test)	
Water solubility:			0,0166	g/l		OECD 105 (Water Solubility)	20°C

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>10000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>1	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
2.1. Toxicity to algae:	EC50	72h	>100	mg/l	Scenedesmus subspicatus	88/302/EC	
12.2. Persistence and degradability:		28d	80-90	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	



Page 18 of 21

GB

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

12.3. Bioaccumulative potential:	BCF	56d	<14,4		Cyprinus caprio	OECD 305 (Bioconcentration - Flow-Through Fish Test)	Analogous conclusion
Toxicity to bacteria:	EC20	3h	>1000	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
Other information:	Log Pow		-0,77				
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
12.1. Toxicity to fish:	LC50	96h	15400	mg/l	Lepomis		EPA-660/3-75-
-					macrochirus		009
12.1. Toxicity to daphnia:	EC50	96h	18260	mg/l	Daphnia magna	OECD 202	
				_		(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EC50	96h	22000	mg/l	Pseudokirchneriell	OECD 201 (Alga,	
					a subcapitata	Growth Inhibition	
						Test)	
12.2. Persistence and		28d	99	%		OECD 301 D	Readily
degradability:						(Ready	biodegradable
						Biodegradability -	
						Closed Bottle Test)	
12.3. Bioaccumulative	BCF		28400		Chlorella vulgaris		Not to be
potential:							expected
Toxicity to bacteria:	IC50	3h	>1000	mg/l	activated sludge	OECD 209	
						(Activated Sludge,	
						Respiration	
						Inhibition Test	
						(Carbon and	
						Ammonium	
						Oxidation))	
Other information:	DOC		<70	%			
Other information:	BOD		>60	%			

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be

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

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09 $^{-}$

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

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 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

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

SECTION 14: Transport information

General statements

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

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

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:

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

Directive 2010/75/EU (VOC):

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

0.5 %

Revised sections:

2, 3, 8, 11, 12, 15

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

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

H226 Flammable liquid and vapour. H351 Suspected of causing cancer by inhalation.

H332 Harmful if inhaled.

Carc. — Carcinogenicity Flam. Liq. — Flammable liquid



Page 20 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

Acute Tox. — Acute toxicity - inhalation

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Any abbreviations and acronyms used in this document:

according, according to acc., acc. to Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the ADR 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) ATF 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) 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 dw dry weight e.g. for example (abbreviation of Latin 'exempli gratia'), for instance **European Community** EC ECHA European Chemicals Agency European Economic Community EEC EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances EN **European Norms** EPA United States Environmental Protection Agency (United States of America) et cetera etc. **European Union** EU EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number general aen. GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential International Agency for Research on Cancer IARC IATA International Air Transport Association IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform Chemical Information Database IUPAC 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) LQ Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships n.a. not applicable not available n.av. not checked n.c. n.d.a. no data available OECD Organisation for Economic Co-operation and Development org. organic PBT persistent, bioaccumulative and toxic PE Polyethylene PNEC Predicted No Effect Concentration parts per million ppm Polyvinylchloride PVC REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)



Page 21 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 14.10.2020 / 0003 Replacing version dated / version: 27.04.2020 / 0002 Valid from: 14.10.2020 PDF print date: 15.10.2020 Liquimate 8400 Karosseriedichtmasse weiss

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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.

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

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