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

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

1.1 Product identifier

Motorbike Glanz Spruehwachs 400 mL Art.: 3039

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

Polish Chemical product category [PC]: PC31 - Polishes and wax blends

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

	of the substance or mix ording to Regulation (E	
Hazard class	Hazard category	Hazard statement
Skin Sens.	1	H317-May cause an allergic skin reaction.
Aquatic Chronic	3	H412-Harmful to aquatic life with long lasting effects.
Aerosol	1	H222-Extremely flammable aerosol.
Aerosol	1	H229-Pressurised container: May burst if heated.

2.2 Label elements

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



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Danger

H317-May cause an allergic skin reaction. H412-Harmful to aquatic life with long lasting effects. H222-Extremely flammable aerosol. H229-Pressurised container: May burst if heated.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children. P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211-Do not spray on an open flame or other ignition source. P251-Do not pierce or burn, even after use. P261-Avoid breathing vapours or spray. P273-Avoid release to the environment. P280-Wear protective gloves. P333+P313-If skin irritation or rash occurs: Get medical advice / attention.

P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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

Without adequate ventilation, formation of explosive mixtures may be possible. 2-methylisothiazol-3(2H)-one

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 %).

SECTION 3: Composition/information on ingredients

Aerosol

3.1 Substance

n.a. 3.2 Mixture

Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatics	
Registration number (REACH)	01-2119480153-44-XXXX
Index	
EINECS, ELINCS, NLP	920-134-1 (REACH-IT List-No.)
CAS	
content %	5-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226
	Asp. Tox. 1, H304
	STOT SE 3, H336
	Aquatic Chronic 2, H411
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Registration number (REACH)	01-2119463258-33-XXXX
Index	
EINECS, ELINCS, NLP	919-857-5 (REACH-IT List-No.)
CAS	
content %	5-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226
	Asp. Tox. 1, H304
	STOT SE 3, H336
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Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	
Registration number (REACH)	01-2119951823-33-XXXX
Index	
EINECS, ELINCS, NLP	271-653-9
CAS	68603-38-3
content %	1-<2,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Aquatic Chronic 2, H411

2-methylisothiazol-3(2H)-one	
Registration number (REACH)	
Index	613-326-00-9
EINECS, ELINCS, NLP	220-239-6
CAS	2682-20-4
content %	0,0015-<0,01
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 3, H301
	Acute Tox. 3, H311
	Skin Corr. 1B, H314
	Skin Sens. 1A, H317
	Eye Dam. 1, H318
	Acute Tox. 2, H330
	Aquatic Acute 1, H400 (M=10)
	Aquatic Chronic 1, H410 (M=1)

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

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

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

If, for example, the note P is applied for a hydrocarbon then this has already been taken into account for the classification named here. Quote: "Note P - The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7)."

Article 4 of the regulation (EC) no. 1272/2008 (CLP regulation) was also observed and taken into account for the classification named here.

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

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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.

Eve contact

Remove contact lenses.

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

Ingestion

Typically no exposure pathway. Rinse the mouth thoroughly with water. Do not induce vomiting. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. The following may occur: Irritation of the eyes Irritation of the respiratory tract Coughing



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Headaches Nausea Effects/damages the central nervous system With long-term contact: Dermatitis (skin inflammation) Product removes fat. Allergic reaction

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media

CO2 Extinction powder Foam

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon Oxides of nitrogen Toxic gases Danger of bursting (explosion) when heated Explosive vapour/air or gas/air mixtures. **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.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

6.2 Environmental precautions

Prevent surface and ground-water infiltration, as well as ground penetration. Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available. Active substance:

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation. Avoid inhalation of the vapours.



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Keep away from sources of ignition - Do not smoke. Take measures against electrostatic charging, if appropriate. Do not use on hot surfaces.

Avoid contact with eyes or skin.

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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. Do not store with oxidizing agents. Observe special regulations for aerosols! Observe special storage conditions. Keep protected from direct sunlight and temperatures over 50°C. Store in a well ventilated place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40): 800 mg/m3

⁽³⁸⁾ Chemica	al Name	Hydrocarbons, C	9-C11, isoalkanes, cyclics, <2% arol	matics	Content %:5-<10
WEL-TWA:	800 mg/m3		WEL-STEL:		
Monitoring pr	ocedures:	-	Draeger - Hydrocarbons 2/a (81 03		
		-	Draeger - Hydrocarbons 0,1%/c (81	l 03 571)	
		-	Compur - KITA-187 S (551 174)		
BMGV:				(EL acc. to RCP-method,
				paragraphs 84-87, EH4	10)
^{GB} Chemica	al Name	Hydrocarbons, C	9-C11, n-alkanes, isoalkanes, cyclic	s, <2% aromatics	Content %:5-<10
WEL-TWA:	800 mg/m3		WEL-STEL:	,	
Monitoring pr	ocedures:	-	Draeger - Hydrocarbons 2/a (81 03	581)	
		-	Draeger - Hydrocarbons 0,1%/c (81	03 571)	
		-	Compur - KITA-187 S (551 174)		
BMGV:				Other information: (O	EL acc. to RCP-method,
				paragraphs 84-87, EH4	10)
Chemica	al Name	Butane			Content %:
	600 ppm (1450 mg/m3		WEL-STEL: 750 ppm (1810 m	a/m3)	
Monitoring pr		-	Compur - KITA-221 SA (549 459)	<u> </u>	
BMGV:				Other information:	
	-I Mana	Deserves			Ocartant N/
		Propane			Content %:
	1000 ppm (ACGIH)		WEL-STEL:		
Monitoring pr	ocedures:	-	Compur - KITA-125 SA (549 954)	Other information:	
BMGV:				Other information:	
Chemica	al Name	Isobutane			Content %:
WEL-TWA:	1000 ppm (EX) (ACGII	H)	WEL-STEL:		
Monitoring pr	ocedures:	-	Compur - KITA-113 SB(C) (549 36		
BMGV:				Other information:	
B					



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Chemical Name	Kaolin, calcined			Content %:
WEL-TWA: 2 mg/m3 (res. dust) (K	aolin) Wi	VEL-STEL:		
Monitoring procedures:				
BMGV:			Other information:	

Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatics									
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note			
Consumer	Human - inhalation	Long term	DNEL	185	mg/m3				
Consumer	Human - oral	Short term, local effects	DNEL	125	mg/kg				
Consumer	Human - dermal	Long term	DNEL	125	mg/kg				
Workers / employees	Human - inhalation	Long term	DNEL	871	mg/m3				
Workers / employees	Human - dermal	Long term	DNEL	208	mg/kg				

Hydrocarbons, C9-C11, r	n-alkanes, isoalkanes, cyclics	, <2% aromatics				
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Consumer Human - oral		Long term, systemic effects	DNEL	300	mg/kg bw/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	300	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	900	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	125	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	185	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	125	mg/kg bw/day	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	300	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	1500	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	208	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	871	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 (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). | 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.

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. BS EN 14042.



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BS 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:

Minimum layer thickness in mm: >= 0,7 Permeation time (penetration time) in minutes: >= 240 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. Protective hand cream recommended. Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments). Respiratory protection: Normally not necessary. If OES or MEL is exceeded. Filter A P2 (EN 14387), code colour brown, white At high concentrations: Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138) Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

Protective nitrile gloves (EN 374).

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

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

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

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

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Aerosol. Active substance: liquid.
Colour:	White
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	n.a.
Flash point:	n.a.
Evaporation rate:	n.a.
Flammability (solid, gas):	n.a.
Lower explosive limit:	Not determined



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Upper explosive limit:

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Vapour pressure: Vapour density (air = 1): Density: Density: Bulk density: Solubility(ies): Water solubility: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties:

Oxidising properties:

9.2 Other information Miscibility: Fat solubility / solvent: Conductivity: Surface tension: Solvents content: Not determined Not determined Vapours heavier than air. 0,76933 g/cm3 (20°C) 0,988 g/cm3 (Active substance) n.a. Not determined Insoluble Not determined >200 °C (Ignition temperature) Not determined Not determined Not determined Product is not explosive. When using: development of explosive vapour/air mixture possible. No

Not determined Not determined Not determined 49,3 % (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 Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Foxicity / 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):						



n.d.a. n.d.a.

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Aspiration hazard: Symptoms:

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by dermal route:	LD50	>3160	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>5	mg/l/4h	Rabbit		
Acute toxicity, by inhalation:	LC50	>5000	mg/m3/8h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Skin corrosion/irritation:						Repeated exposure may cause skin dryness or cracking.
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
Aspiration hazard:					· · · · · · · · · · · · · · · · · · ·	Yes
Symptoms:						unconsciousnes
						, headaches,
						dizziness

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LD50	>18,5	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant, Repeated exposure may cause skin dryness or cracking.
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 contac
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative, Analogous conclusion
Carcinogenicity:					OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)	Negative, Analogous conclusion
Reproductive toxicity:					OECD 414 (Prenatal Developmental Toxicity Study)	Negative, Analogous conclusion
Specific target organ toxicity - single exposure (STOT-SE):						May cause drowsiness or dizziness.
Aspiration hazard:						Yes



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Symptoms:			unconsciousness , headaches, dizziness, discoloration of the skin, vomiting, diarrhoea
Specific target organ toxicity - repeated exposure (STOT-RE), oral:		OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	Not to be expected

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>3000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		Analogous conclusion
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Skin Irrit. 2
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:				Salmonella typhimurium	Regulation (ÉC) 440/2008 B.13/B.14 (REVERSE MUTATION TEST USING BACTERIA)	Negative
Reproductive toxicity:	NOAEL	>1000	mg/kg bw/d	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	

2-methylisothiazol-3(2H)-one				-		
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	183	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	242	mg/kg	Rat	OECD 402 (Acute	
					Dermal Toxicity)	
Acute toxicity, by inhalation:	LD50	0,11	mg/l/4h	Rat	OECD 403 (Acute	Aerosol
					Inhalation Toxicity)	
Skin corrosion/irritation:						Corrosive
Serious eye damage/irritation:						Risk of serious
						damage to eyes.
Respiratory or skin						Sensitising (skin
sensitisation:						contact)

Butane								
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes		
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat				
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative		
					Reverse Mutation Test)			
Aspiration hazard:						No		



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Symptoms:		ataxia, breathing difficulties,
		drowsiness,
		unconsciousness
		, frostbite,
		disturbed heart
		rhythm,
		headaches,
		cramps,
		intoxication,
		dizziness,
		nausea and
		vomiting.

Propane						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Skin corrosion/irritation:						Not irritant
Serious eye damage/irritation:						Not irritant
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	-
Reproductive toxicity	NOAEC	21,641	mg/l		OECD 422 (Combined	
(Developmental toxicity):					Repeated Dose Tox.	
					Study with the	
					Reproduction/Developm.	
					Tox. Screening Test)	
Aspiration hazard:						No
Symptoms:						breathing
						difficulties,
						unconsciousness
						, frostbite,
						headaches,
						cramps, mucous
						membrane
						irritation,
						dizziness,
						nausea and
						vomiting.

Isobutane						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Serious eye damage/irritation:				Rabbit		Not irritant
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	
Aspiration hazard:						No
Symptoms:						unconsciousness
						, frostbite,
						headaches,
						cramps,
						dizziness,
						nausea and
						vomiting.

Kaolin, calcined								
Endpoint	Value	Unit	Organism	Test method	Notes			
LD50	>2000	mg/kg	Rat	OECD 401 (Acute Oral				
				Toxicity)				
			Rabbit	OECD 404 (Acute	Not irritant,			
				Dermal	Analogous			
				Irritation/Corrosion)	conclusion			
				LD50 >2000 mg/kg Rat	LD50 >2000 mg/kg Rat OECD 401 (Acute Oral Toxicity) Rabbit OECD 404 (Acute Dermal			



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		D III'		
Serious eye damage/irritation:		Rabbit	OECD 405 (Acute Eye	Not irritant,
			Irritation/Corrosion)	Analogous
				conclusion
Respiratory or skin		Mouse	OECD 429 (Skin	Not sensitizising,
sensitisation:			Sensitisation - Local	Analogous
			Lymph Node Assay)	conclusion
Respiratory or skin		Mouse	OECD 429 (Skin	No (skin contact)
sensitisation:			Sensitisation - Local	
			Lymph Node Assay)	
Aspiration hazard:				No
Specific target organ toxicity -				Inhalation of
repeated exposure (STOT-RE),				alveolargenic
inhalat.:				quartz dust can
				lead to silico-
				arthrosis
				(nodular
				connective
				tissue changes
				in the lungs).,
				Analogous
				conclusion
	1			

SECTION 12: Ecological information

Endpoint	Time	1 1/ 1				
		Value	Unit	Organism	Test method	Notes
						n.d.a.
						n.d.a.
						n.d.a.
						The surfactant(s) contained in this mixture complies(comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or a detergent manufacturer.
						n.d.a.
						n.d.a.
						n.d.a.



n.d.a.

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12.6. Other adverse effects:

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LL50	96h	3,6	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EL50	48h	>22-<46	mg/l	Daphnia magna STRAUS	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EL50	72h	>1000	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	53	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Biodegradable
12.3. Bioaccumulative potential:	Log Pow		4 - 6				A notable biological accumulation potential has to be expected (LogPow > 3).
12.3. Bioaccumulative potential:							Yes
Water solubility:							Insoluble

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	NOELR	28d	0,13	mg/l	Oncorhynchus mykiss	QSAR	
12.1. Toxicity to daphnia:	EC50	48h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.3. Bioaccumulative potential:			5-6,7				High
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to algae:	ErC50	72h	>1000	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EbC50	72h	>1000	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOELR	72h	100	mg/l	Raphidocelis subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	80	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
12.1. Toxicity to algae:	NOELR	72h	3	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	



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 12.5. Results of PBT
 No PBT

 and vPvB assessment
 substance, No

 vPvB substance
 vPvB substance

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and		28d	60	%		OECD 301 D	
degradability:						(Ready	
						Biodegradability -	
						Closed Bottle Test)	
12.1. Toxicity to fish:	LC50	96h	1,2	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to fish:	NOEC/NOEL	28d	0,32	mg/l	Oncorhynchus	OECD 204 (Fish,	Analogous
					mykiss	Prolonged Toxicity	conclusion
						Test - 14-Day	
			-			Study)	<u> </u>
12.1. Toxicity to daphnia:	LOEC/LOEL	21d	0,24	mg/l	Daphnia magna	OECD 211	Analogous
						(Daphnia magna	conclusion
		101				Reproduction Test)	
12.1. Toxicity to daphnia:	EC50	48h	0,9	mg/l	Daphnia magna	Regulation (EC)	
						440/2008 C.2	
						(DAPHNIA SP.	
						ACUTE	
						IMMOBILISATION TEST)	
10.1 Taviaity to algorith	EC50	72h	10.0	100 gr /l	Desmodesmus	- /	
12.1. Toxicity to algae:	ECOU	7211	18,6	mg/l	subspicatus	Regulation (EC) 440/2008 C.3	
					subspicatus	(FRESHWATER	
						ALGAE AND	
						CYANOBACTERI	
						A, GROWTH	
						INHIBITION TEST)	
Toxicity to bacteria:	EC50	72h	6	mg/l	Pseudomonas	DIN 38412 T.8	Analogous
					putida	2	conclusion
					p ~~~		00.001011

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and		28d	0,32	%	_	OECD 301 B	Not readily
degradability:						(Ready	biodegradable
-						Biodegradability -	-
						Co2 Evolution	
						Test)	
12.3. Bioaccumulative	Log Kow		-0,32			OECD 117	
potential:	-					(Partition	
						Coefficient (n-	
						octanol/water) -	
						HPLC method)	
12.1. Toxicity to fish:	NOEC/NOEL	28d	2,38	mg/l	Pimephales	OECD 210 (Fish,	
					promelas	Early-Life Stage	
						Toxicity Test)	
12.1. Toxicity to fish:	LC50	96h	4,77	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	EC50	48h	0,359	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,0442	mg/l	Daphnia magna		
12.1. Toxicity to algae:	NOEC/NOEL	120h	0,05	mg/l	Pseudokirchneriell	OECD 201 (Alga,	
					a subcapitata	Growth Inhibition Test)	



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12.1. Toxicity to algae:	EC50	72h	0,445	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition
						Test)

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Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	24,11	mg/l		QSAR	
12.1. Toxicity to daphnia:	LC50	48h	14,22	mg/l		QSAR	
12.3. Bioaccumulative potential:	Log Pow		2,98				A notable biological accumulation potential is not to be expected (LogPow 1-3).
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

Propane							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.3. Bioaccumulative	Log Pow		2,28				A notable
potential:	-						biological
							accumulation
							potential is not to
							be expected
							(LogPow 1-3).
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance

Isobutane							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.3. Bioaccumulative							A notable
potential:							biological
							accumulation
							potential is not to
							be expected
							(LogPow 1-3).
12.1. Toxicity to fish:	LC50	96h	27,98	mg/l			
12.1. Toxicity to algae:	EC50	96h	7,71	mg/l			
12.2. Persistence and							Readily
degradability:							biodegradable
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.3. Bioaccumulative	-						Not to be
potential:							expected
12.1. Toxicity to fish:	NOEC/NOEL	30d	100	mg/l	Oncorhynchus		
					mykiss		
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	EC50	48h	>1	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Scenedesmus	OECD 201 (Alga,	
					subspicatus	Growth Inhibition	
						Test)	



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> Inorganic products cannot be eliminated from water through biological purification methods., Mechanical precipitation possible.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

12.2. Persistence and

degradability:

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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)

16 05 04 gases in pressure containers (including halons) containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Take full aerosol cans to problem waste collection.

Take emptied aerosol cans to valuable material collection.

For contaminated packing material

Pay attention to local and national official regulations.

Recommendation:

Do not perforate, cut up or weld uncleaned container.

15 01 04 metallic packaging

15 01 10 packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

General statements 14.1. UN number:	1950	
Transport by road/by rail (ADR/RID) 14.2. UN proper shipping name:		
UN 1950 AEROSOLS		
14.3. Transport hazard class(es):	2.1	—
14.4. Packing group:	-	•
Classification code:	5F	
LQ: 14.5. Environmental hazards:	1 L Nationalizable	
Tunnel restriction code:	Not applicable D	
Transport by sea (IMDG-code)	b	
14.2. UN proper shipping name: AEROSOLS		A
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	-	•
EmS:	F-D, S-U	
Marine Pollutant:	n.a	
14.5. Environmental hazards:	Not applicable	
Transport by air (IATA)		
14.2. UN proper shipping name:		•
Aerosols, flammable		<u> </u>
14.3. Transport hazard class(es):	2.1	•
14.4. Packing group:	-	



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14.5. Environmental hazards:

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14.6. Special precautions for user

Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

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

Freighted as packaged goods rather than in bulk, therefore not applicable. Minimum amount regulations have not been taken into account. Danger code and packing code on request. Comply with special provisions.

SECTION 15: Regulatory information

Not applicable

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

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)! Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of	Qualifying quantity (tonnes) of
		dangerous substances as	dangerous substances as
		referred to in Article 3(10) for the	referred to in Article 3(10) for the
		application of - Lower-tier	application of - Upper-tier
		requirements	requirements
P3a	11.1	150 (netto)	500 (netto)

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 2 - This product contains the substances listed below:

Entry Nr	Dangerous substances	Notes to Annex I	Qualifying quantity (tonnes) for the application of - Lower-tier requirements	Qualifying quantity (tonnes) for the application of - Upper-tier requirements
18	Liquefied flammable gases, Category 1 or 2 (including LPG) and natural gas	19	50	200
22	Methanol		500	5000

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC): **REGULATION (EC) No 648/2004** 30 % and more

aliphatic hydrocarbons less than 5 % non-ionic surfactants

BENZISOTHIAZOLINONE LAURYLAMINE DIPROPYLENEDIAMINE METHYLISOTHIAZOLINONE

Observe incident regulations.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

379,4 g/l

SECTION 16: Other information



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Revised sections:

2, 3, 4, 8, 11, 12, 15, 16

Employee training in handling dangerous goods is required. 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):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Skin Sens. 1, H317	Classification according to calculation procedure.
Aquatic Chronic 3, H412	Classification according to calculation procedure.
Aerosol 1, H222	Classification according to calculation procedure.
Aerosol 1, H229	Classification based on the form or physical state.

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).

H330 Fatal if inhaled.

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction. H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Skin Sens. - Skin sensitization Aquatic Chronic - Hazardous to the aquatic environment - chronic Aerosol — Aerosols Flam. Liq. - Flammable liquid Asp. Tox. — Aspiration hazard STOT SE - Specific target organ toxicity - single exposure - narcotic effects Skin Irrit. - Skin irritation Eye Irrit. - Eye irritation Acute Tox. — Acute toxicity - oral Acute Tox. — Acute toxicity - dermal Skin Corr. — Skin corrosion Eye Dam. — Serious eye damage Acute Tox. - Acute toxicity - inhalation

Aquatic Acute - Hazardous to the aquatic environment - acute

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)



ദ്ര Page 19 of 20 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.02.2020 / 0016 Replacing version dated / version: 05.11.2019 / 0015 Valid from: 18.02.2020 PDF print date: 19.02.2020 Motorbike Glanz Spruehwachs 400 mL Art.: 3039 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) BSFF The International Bromine Council body weight bw CAS **Chemical Abstracts Service** Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances CLP and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level dw dry weight e.g. EC for example (abbreviation of Latin 'exempli gratia'), for instance European Community ECHA European Chemicals Agency European Economic Community FFC EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances EN European Norms EPA United States Environmental Protection Agency (United States of America) etc. et cetera ΕU **European Union** EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number general gen. Globally Harmonized System of Classification and Labelling of Chemicals GHS GWP Global warming potential IARC International Agency for Research on Cancer International Air Transport Association ΙΑΤΑ IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform Chemical Information Database LQ Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable n.a. n.av. not available not checked n.c. n.d.a. no data available OECD Organisation for Economic Co-operation and Development org. organic persistent, bioaccumulative and toxic PBT ΡE Polyethylene PNEC Predicted No Effect Concentration parts per million ppm PVC Polyvinylchloride REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List REACH-IT List-No. Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Tel. Telephone UN RTDG United Nations Recommendations on the Transport of Dangerous Goods Volatile organic compounds VOC vPvB very persistent and very bioaccumulative wet weight wwt 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:



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