

Page 1 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 12.07.2019 / 0016 Replacing version dated / version: 18.10.2018 / 0015 Valid from: 12.07.2019 PDF print date: 12.07.2019 Motorbike Benzin Stabilisator 250 mL Art.: 3041

# 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 Benzin Stabilisator 250 mL Art.: 3041

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

Additives

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Sector of use [SU]: SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites SU21 - Consumer uses: Private households (=general public = consumers) SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Chemical product category [PC]: PC13 - Fuels PC24 - Lubricants, greases, release products Process category [PROC]: PROC 1 - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. PROC 2 - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions PROC 8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities PROC 8b - Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) PROC16 - Use of fuels PROC20 - Use of functional fluids in small devices Article Categories [AC]: AC99 - Not required. Environmental Release Category [ERC]: ERC 4 - Use of non-reactive processing aid at industrial site (no inclusion into or onto article) ERC 7 - Use of functional fluid at industrial site ERC 9a - Widespread use of functional fluid (indoor) ERC 9b - Widespread use of functional fluid (outdoor) 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, Germany Phone: (+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** 



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# 2.1 Classification of the substance or mixtureClassification according to Regulation (EC) 1272/2008 (CLP)Hazard classHazard categoryHazard statementAsp. Tox.1H304-May be fatal if swallowed and enters airways.Aquatic Chronic3H412-Harmful to aquatic life with long lasting effects.

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



Danger

H304-May be fatal if swallowed and enters airways. H412-Harmful to aquatic life with long lasting effects.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children. P301+P310-IF SWALLOWED: Immediately call a POISON CENTER / doctor. P331-Do NOT induce vomiting. P405-Store locked up.

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

EUH066-Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C10, aromatics, <1% naphthalene Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

#### 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**

# 3.1 Substance

#### n.a. 3.2 Mixture

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Registration number (REACH)	01-2119457273-39-XXXX	
Index		
EINECS, ELINCS, NLP	918-481-9 (REACH-IT List-No.)	
CAS		
content %	60-80	
Classification according to Regulation (EC) 1272/2008 (CLP)	Asp. Tox. 1, H304	
Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-		
hydroxyphenyl)propionate		
Registration number (REACH)	01-0000015551-76-XXXX	
Index	607-530-00-7	



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EINECS, ELINCS, NLP	406-040-9
CAS	125643-61-0
content %	10-<25
Classification according to Regulation (EC) 1272/2008 (CLP)	Aquatic Chronic 4, H413
Hydrocarbons, C10, aromatics, <1% naphthalene	
Registration number (REACH)	01-2119463583-34-XXXX
Index	
EINECS, ELINCS, NLP	918-811-1 (REACH-IT List-No.)
CAS	(64742-94-5)
content %	5-15
Classification according to Regulation (EC) 1272/2008 (CLP)	Asp. Tox. 1, H304
	STOT SE 3, H336

2-butoxyethanol	Substance for which an EU exposure limit value applies.
Registration number (REACH)	
Index	603-014-00-0
EINECS, ELINCS, NLP	203-905-0
CAS	111-76-2
content %	1-5
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302
	Eye Irrit. 2, H319
	Skin Irrit. 2, H315
	Acute Tox. 4, H312
	Acute Tox. 4, H332

Aquatic Chronic 2, H411

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

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.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

In case of vomiting, keep head low so that the stomach content does not reach the lungs.

#### 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.

The following may occur: Product removes fat. Dermatitis (skin inflammation) Ingestion:



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Danger of aspiration. Lung damage Oedema of the lungs 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

Gastric lavage (stomach washing) only under endotracheal intubation. Subsequent observation for pneumonia and pulmonary oedema.

# **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media Suitable extinguishing media

Extinction powder Foam

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#### 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 Hydrocarbons Toxic pyrolysis products. Flammable vapour/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. 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) 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. Keep away from sources of ignition - Do not smoke. Take measures against electrostatic charging, if appropriate.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.



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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.

Store product closed and only in original packing. Not to be stored in gangways or stair wells. Solvent resistant floor Do not store with oxidizing agents.

Store in a well ventilated place. Protect from direct sunlight and warming.

# 7.3 Specific end use(s)

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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

Chemical Name	Hydrocarbons, C10-C13	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics Content %:60-8					
WEL-TWA: 800 mg/m3	WE	L-STEL:					
Monitoring procedures:	- Draeger - Hydrocarbons 2/a (81 03 581)						
	- Draege	er - Hydrocarbons 0,1%/c (8	31 03 571)				
	- Compi	ur - KITA-187 S (551 174)					
BMGV:				· ·	EL acc. to RC	P-method,	
			paragraphs	84-87, EH4	10)		
Chemical Name	Hydrocarbons, C10, aror	natics, <1% naphthalene			Co	ontent %:5-15	
WEL-TWA: 500 mg/m3 (Aror		L-STEL:					
Monitoring procedures:	- Draege	er - Hydrocarbons 2/a (81 0	3 581)				
		er - Hydrocarbons 0,1%/c (8	31 03 571)				
	- Compi	ur - KITA-187 S (551 174)					
BMGV:			Other inform	nation:			
Chemical Name	2-butoxyethanol				C	ontent %:1-5	
WEL-TWA: 25 ppm (123 mg/		L-STEL: 50 ppm (246 mg	/m3) (WEL. El	ר) ו			
mg/m3) (EU)				- /			
Monitoring procedures:	- Compu	ır - KITA-190 U(C) (548 873	3)				
		D) (Loesungsmittelgemische		(Solvent mix	(tures 3) - 1998	3, 2002 - EU	
	- project	BC/CEN/ENTR/000/2002-1	16 card 32-2 (2	2004)			
BMGV: 240 mmol butoxyace	tic acid/mol creatinine in urine, p	oost shift (BMGV)	Other inform	nation: Sk	(WEL)		
Reaction mass of isomers of	: C7-9-alkyl 3-(3,5-di-tert-butyl	-4-hydroxyphenyl)propior	nate				
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note	
	Environmental						
	compartment						
	Environment - sewage		PNEC	10	mg/l		
	the star suit alout				-	1	

oomparamone				
Environment - sewage	PNEC	10	mg/l	
treatment plant				
Environment - sediment,	PNEC	233	mg/kg	
freshwater				
Environment - sediment,	PNEC	23,3	mg/kg	
marine				
Environment - soil	PNEC	189	mg/kg	
Environment - freshwater	PNEC	0,0043	mg/kg	



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	Environment - marine		PNEC	0,00043	mg/kg
Consumer	Human - dermal	Long term, systemic	DNEL	0,25	mg/kg
		effects			
Consumer	Human - oral	Long term, local effects	DNEL	0,25	mg/kg
Workers / employees	Human - dermal	Long term, systemic	DNEL	0,22	mg/kg
		effects			
Workers / employees	Human - inhalation	Long term, systemic	DNEL	3,5	mg/m3
		effects			
Workers / employees	Human - dermal	Short term, local	DNEL	1	mg/cm2
		effects			
Workers / employees	Human - dermal	Long term, local effects	DNEL	0,006	mg/cm2
Workers / employees	Human - dermal	Short term, systemic	DNEL	20	mg/kg
		effects			

Hydrocarbons, C10, aromatics, <1% naphthalene							
Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note	
	Environmental						
	compartment						
Consumer	Human - dermal	Long term	DNEL	7,5	mg/kg		
					bw/day		
Consumer	Human - inhalation	Long term	DNEL	32	mg/m3		
Consumer	Human - oral	Long term	DNEL	7,5	mg/kg		
					bw/day		
Workers / employees	Human - dermal	Long term	DNEL	12,5	mg/kg		
					bw/day		
Workers / employees	Human - inhalation	Long term	DNEL	151	mg/m3		

Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - freshwater		PNEC	8,8	mg/l	
	Environment - marine		PNEC	0,88	mg/l	
	Environment - sediment, freshwater		PNEC	34,6	mg/kg dw	
	Environment - soil		PNEC	2,8	mg/kg dw	
	Environment - sewage treatment plant		PNEC	463	mg/l	
	Environment - sediment, marine		PNEC	3,46	mg/kg dw	
	Environment - sporadic (intermittent) release		PNEC	9,1	mg/l	
Consumer	Human - dermal	Short term, systemic effects	DNEL	44,5	mg/kg bw/d	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	426	mg/m3	
Consumer	Human - oral	Short term, systemic effects	DNEL	13,4	mg/kg bw/d	
Consumer	Human - inhalation	Short term, local effects	DNEL	123	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	38	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	49	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	3,2	mg/kg bw/d	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	89	mg/kg bw/d	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	663	mg/m3	



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Workers / employees	Human - inhalation	Short term, local effects	DNEL	246	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	75	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	98	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.

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:

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

Skin protection - Hand protection: Solvent resistant protective gloves (EN 374). If applicable Protective nitrile gloves (EN 374). Minimum layer thickness in mm: 0,4 Permeation time (penetration time) in minutes: > 480 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 Neoprene® / polychloroprene gloves (EN 374). Protective hand cream recommended.

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

Respiratory protection: If OES or MEL is exceeded. Gas mask filter A (EN 14387), code colour brown 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



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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.

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#### **SECTION 9: Physical and chemical properties**

#### **9.1 Information on basic physical and chemical properties** Physical state: 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:

Blue Characteristic Not determined n.a. Not determined 145 °C >61 °C Not determined n.a. ~0,6 Vol-% ~8 Vol-% Not determined Vapours heavier than air. 0,822 g/ml (15°C) n.a. Not determined Insoluble Not determined Not determined Not determined <7 mm2/s (40°C) Product is not explosive. No

Not determined Not determined Not determined Not determined Not determined

#### **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 **10.5 Incompatible materials** Avoid contact with strong oxidizing agents. Avoid contact with strong acids.



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#### Avoid contact with strong alkalis. **10.6 Hazardous decomposition products**

No decomposition when used as directed.

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# **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effects**

Possibly more information on health effects, see Section 2.1 (classification). Motorbike Benzin Stabilisator 250 mL

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value
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.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral	Analogous
					Toxicity)	conclusion
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute	Analogous
					Dermal Toxicity)	conclusion
Acute toxicity, by inhalation:	LC50	>4951	mg/m3/4h	Rat	OECD 403 (Acute	Analogous
					Inhalation Toxicity)	conclusion,
						Vapours
Skin corrosion/irritation:					OECD 404 (Acute	Not irritant,
					Dermal	Analogous
					Irritation/Corrosion)	conclusion
Serious eye damage/irritation:					OECD 405 (Acute Eye	Not irritant,
					Irritation/Corrosion)	Analogous
						conclusion
Respiratory or skin					OECD 406 (Skin	Not sensitizising
sensitisation:					Sensitisation)	Analogous
						conclusion
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative,
					Mammalian	Analogous
					Chromosome	conclusion
					Aberration Test)	
Germ cell mutagenicity:					OECD 474 (Mammalian	Negative,
					Erythrocyte	Analogous
					Micronucleus Test)	conclusion
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
				typhimurium	Reverse Mutation Test)	
Carcinogenicity:					OECD 453 (Combined	Negative,
					Chronic	Analogous
					Toxicity/Carcinogenicity	conclusion
					Studies)	



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Reproductive toxicity:		OECD 414 (Prenatal	Negative,
		Developmental Toxicity	Analogous
		Study)	conclusion
Specific target organ toxicity -		OECD 408 (Repeated	Negative,
repeated exposure (STOT-RE):		Dose 90-Day Oral	Analogous
		Toxicity Study in	conclusion
		Rodents)	
Aspiration hazard:			Yes
Symptoms:			unconsciousness
			, headaches,
			dizziness
Other information:			Repeated
			exposure may
			cause skin
			dryness or
			cracking.

Reaction mass of isomers of:	C7-9-alkyl 3-(3	,5-di-tert-buty	l-4-hydroxyph	enyl)propionate		
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	> 2000	mg/kg	Rat	OECD 401 (Acute Oral	
					Toxicity)	
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)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	No (skin contact)
sensitisation:					Sensitisation)	
Germ cell mutagenicity:				Mammalian	OECD 473 (In Vitro	Negative
					Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	
Carcinogenicity:				Rat		Negative,
						Analogous
						conclusion
Aspiration hazard:						Negative

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	>2000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>4688	mg/m3/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Vapours
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
Serious eye damage/irritation:						Slightly irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizising



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Germ cell mutagenicity:	OECD 479 (Genetic Neg	ative
	Toxicology - In Vitro	
	Sister Chromatid	
	Exchange assay in	
	Mammalian Cells)	
Reproductive toxicity:	OECD 414 (Prenatal Neg	ative
	Developmental Toxicity	
	Study)	
Specific target organ toxicity -	OECD 408 (Repeated Neg	ative
repeated exposure (STOT-RE):	Dose 90-Day Oral	
	Toxicity Study in	
	Rodents)	
Aspiration hazard:	Yes	
Symptoms:	head	daches,
	dizzi	iness,
	fatig	ue, nausea
	and	vomiting.
Symptoms:	drow	vsiness,
	head	daches,
	drow	vsiness,
	dizzi	iness

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	1746	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by oral route:	LD50	1300	mg/kg	Guinea pig		
Acute toxicity, by dermal route:	LD50	1060	mg/kg	Rabbit		
Acute toxicity, by dermal route:	LD50	2275	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	Does not conform with EU classification.
Acute toxicity, by inhalation:	LC50	2-20	mg/l	Rat		
Skin corrosion/irritation:				Rabbit	Regulation (EC) 440/2008 B.4 (DERMAL IRRITATION/CORROSI ON)	Skin Irrit. 2, Product removes fat.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizising
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:				Rat	OECD 451 (Carcinogenicity Studies)	Negative
Carcinogenicity:	NOAEC	125	ppm	Mouse	OECD 451 (Carcinogenicity Studies)	Negative
Aspiration hazard:						No



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Symptoms:						acidosis, ataxia,
						breathing
						difficulties,
						respiratory
						distress,
						drowsiness,
						unconsciousness
						, annoyance,
						coughing,
						headaches,
						gastrointestinal
						disturbances, insomnia,
						mucous
						membrane
						irritation,
						dizziness
Specific target organ toxicity -	NOAEL	<69	mg/kg	Rat	OECD 408 (Repeated	
repeated exposure (STOT-RE),			bw/d		Dose 90-Day Oral	
oral:					Toxicity Study in	
					Rodents)	
Specific target organ toxicity -	NOAEL	>150	mg/kg	Rabbit	OECD 411 (Subchronic	
repeated exposure (STOT-RE),			bw/d		Dermal Toxicity - 90-day	
dermal:					Study)	

# **SECTION 12: Ecological information**

Motorbike Benzin Stabili	sator 250 mL						
Art.: 3041							
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:							
Other information:							According to the
							recipe, contains
							no ÁOX.

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
Water solubility:							Product floats on
							the water
							surface.
12.1. Toxicity to fish:	LL50	96h	>1000	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
12.1. Toxicity to fish:	NOELR	28d	0,101	mg/l	Oncorhynchus		
					mykiss		



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12.1. Toxicity to daphnia:	EL50	48h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOELR	21d	0,176	mg/l	Daphnia magna		
12.2. Persistence and degradability:		28d	80	%	activated sludge	OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
12.1. Toxicity to algae:	EL50	72h	>1000	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
Other organisms:	EL50	48h	>1000	mg/l	Tetrahymen pyriformis		

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>75	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>=1	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	>3	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	4	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Not readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		9,2				Low
12.3. Bioaccumulative potential:	BCF	35d	260			OECD 305 (Bioconcentration - Flow-Through Fish Test)	Concentration ir organisms possible.

Hydrocarbons, C10, aror	natics, <1% na	phthalene				T	1
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	1,6	mg/l	Oncorhynchus mykiss		
12.1. Toxicity to fish:	LL50	96h	2 - 5	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	LL50	96h	2-5	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	Analogous conclusion
12.1. Toxicity to daphnia:	EL50	48h	3 -10	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	



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12.1. Toxicity to algae:	NOELR	72h	2,5	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EL50	72h	11	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOELR	72h	2,5	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EL50	72h	11	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	72h	1 -3	mg/l			
12.2. Persistence and degradability:		28d	49,6	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Not readily but inherent biodegradable.
12.3. Bioaccumulative potential:	BCF		<100			, , , , , , , , , , , , , , , , , , , ,	Low
Water solubility:							Insoluble

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	1474	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity	
					,	Test)	
12.1. Toxicity to fish:	NOEC/NOEL	21d	>100	mg/l	Brachydanio rerio	OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study)	
12.1. Toxicity to daphnia:	EC50	48h	1550	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	100	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to algae:	EC50	72h	1840	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	286	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	95	%		OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)	Readily biodegradable
12.2. Persistence and degradability:		28d	>99	%		OECD 302 B (Inherent Biodegradability - Zahn- Wellens/EMPA Test)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		3,2			,	
12.3. Bioaccumulative potential:	Log Pow		0,83				Negative
12.4. Mobility in soil:	H (Henry)		0,00000 16	atm*m3/m ol			
12.4. Mobility in soil:	Koc		67				Expert judgem



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12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC0	16h	700	mg/l	Pseudomonas putida	DIN 38412 T.8	

# **SECTION 13: Disposal considerations**

13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. 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)

07 07 04 other organic solvents, washing liquids and mother liquors

14 06 03 other solvents and solvent mixtures

Recommendation:

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Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Implement substance recycling.

E.g. suitable incineration plant.

# For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

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

# **SECTION 14: Transport information**

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** 



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# 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)! Comply with trade association/occupational health regulations.

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

#### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

**SECTION 16: Other information** 

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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):

Classification in accordance with regulation	Evaluation method used		
(EC) No. 1272/2008 (CLP)			
Asp. Tox. 1, H304	Classification according to calculation procedure.		
Aquatic Chronic 3, H412	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).

H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

Asp. Tox. — Aspiration hazard Aquatic Chronic — Hazardous to the aquatic environment - chronic STOT SE — Specific target organ toxicity - single exposure - narcotic effects Acute Tox. — Acute toxicity - oral Eye Irrit. — Eye irritation Skin Irrit. — Skin irritation Acute Tox. — Acute toxicity - dermal Acute Tox. — Acute toxicity - inhalation

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

~ 85 % ~ 680 g/l



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These statements were made by:



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