

Page 1 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 23.02.2015 / 0009  
Replaces revision of / Version: 07.01.2014 / 0008  
Valid from: 23.02.2015  
PDF print date: 24.02.2015  
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

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 - Use in closed process, no likelihood of exposure.

PROC 2 - Use in closed, continuous process with occasional controlled exposure

PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC16 - Using material as fuel sources, limited exposure to unburned product to be expected

PROC20 - Heat and pressure transfer fluids in dispersive, professional use but closed systems

Article Categories [AC]:

AC99 - Not required.

Environmental Release Category [ERC]:

ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC 7 - Industrial use of substances in closed systems

ERC 9a - Wide dispersive indoor use of substances in closed systems

ERC 9b - Wide dispersive outdoor use of substances in closed systems

#### **Uses advised against:**

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

GB

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

**Emergency information services / official advisory body:**

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**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

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

Revised on / Version: 23.02.2015 / 0009

Replaces revision of / Version: 07.01.2014 / 0008

Valid from: 23.02.2015

PDF print date: 24.02.2015

Motorbike Benzin Stabilisator 250 mL

Art.: 3041

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

Hazard class	Hazard category	Hazard statement
Flam. Liq.	3	H226-Flammable liquid and vapour.
STOT RE	1	H372-Causes damage to organs through prolonged or repeated exposure.
Asp. Tox.	1	H304-May be fatal if swallowed and enters airways.
STOT SE	3	H336-May cause drowsiness or dizziness.
Aquatic Chronic	2	H411-Toxic to aquatic life with long lasting effects.

## 2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

Flammable, R10

Xn, Harmful, R48/20

N, Dangerous for the environment, R51/53

Xn, Harmful, R65

R66

R67

## 2.2 Label elements

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



Danger

H226-Flammable liquid and vapour. H372-Causes damage to organs through prolonged or repeated exposure. H304-May be fatal if swallowed and enters airways. H336-May cause drowsiness or dizziness. H411-Toxic 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.

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260-Do not breathe vapours or spray.

P271-Use only outdoors or in a well-ventilated area.

P301+P310+P331-IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. P312-Call a POISON CENTER/doctor if you feel unwell.

P405-Store locked up.

P501-Dispose of contents/container to special waste collection point.

EUH066-Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

## 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.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

# SECTION 3: Composition/information on ingredients

## 3.1 Substance

GB

Page 3 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 23.02.2015 / 0009  
 Replaces revision of / Version: 07.01.2014 / 0008  
 Valid from: 23.02.2015  
 PDF print date: 24.02.2015  
 Motorbike Benzin Stabilisator 250 mL  
 Art.: 3041

n.a.  
**3.2 Mixture**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Registration number (REACH)	01-2119458049-33-XXXX
Index	---
EINECS, ELINCS, NLP	919-446-0 (REACH-IT List-No.)
CAS	CAS ---
content %	80-90
Classification according to Directive 67/548/EEC	Flammable, R10 Harmful, Xn, R48/20 Dangerous for the environment, N, R51 Dangerous for the environment, R53 Harmful, Xn, R65 R66 R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336

A mixture of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate	
Registration number (REACH)	01-0000015551-76-XXXX
Index	607-530-00-7
EINECS, ELINCS, NLP	406-040-9
CAS	CAS 125643-61-0
content %	10-20
Classification according to Directive 67/548/EEC	Dangerous for the environment, R53
Classification according to Regulation (EC) 1272/2008 (CLP)	Aquatic Chronic 4, H413

For the text of the R-phrases / 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 3.1/3.2 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

#### 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)

Page 4 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 23.02.2015 / 0009  
Replaces revision of / Version: 07.01.2014 / 0008  
Valid from: 23.02.2015  
PDF print date: 24.02.2015  
Motorbike Benzin Stabilisator 250 mL  
Art.: 3041

Ingestion:  
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**

Indications for the physician:  
Symptomatic treatment

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

CO<sub>2</sub>  
Extinction powder  
Foam  
Cool container at risk with water.

#### **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  
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.

GB

Page 5 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 23.02.2015 / 0009  
 Replaces revision of / Version: 07.01.2014 / 0008  
 Valid from: 23.02.2015  
 PDF print date: 24.02.2015  
 Motorbike Benzin Stabilisator 250 mL  
 Art.: 3041

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.  
 Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").  
 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)

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/m<sup>3</sup>

<div>GB</div>	<b>Chemical Name</b>	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		Content %:80-90
WEL-TWA: 800 mg/m3		WEL-STEL: ---		---
BMGV: ---		Other information: (WEL acc. to RCP-method, EH40)		

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | 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.

A mixture of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Human - dermal	Short term, systemic effects	DNEL	20	mg/kg	
	Human - dermal	Short term, local effects	DNEL	1	mg/cm <sup>2</sup>	
	Human - dermal	Long term, systemic effects	DNEL	0,22	mg/kg	
	Human - dermal	Long term, local effects	DNEL	0,006	mg/cm <sup>2</sup>	
	Environment - freshwater		PNEC	0,0043	mg/l	
	Environment - marine		PNEC	0,00043	mg/l	
	Environment - sediment, freshwater		PNEC	233	mg/kg	
	Environment - sediment, marine		PNEC	23,3	mg/kg	
	Environment - soil		PNEC	189	mg/kg	

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Page 6 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 23.02.2015 / 0009  
 Replaces revision of / Version: 07.01.2014 / 0008  
 Valid from: 23.02.2015  
 PDF print date: 24.02.2015  
 Motorbike Benzin Stabilisator 250 mL  
 Art.: 3041

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.

## 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:  
 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 374 Part 3 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

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:	Liquid
Colour:	Blue
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	n.a.
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	145 °C
Flash point:	40 °C

Page 7 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 23.02.2015 / 0009  
Replaces revision of / Version: 07.01.2014 / 0008  
Valid from: 23.02.2015  
PDF print date: 24.02.2015  
Motorbike Benzin Stabilisator 250 mL  
Art.: 3041

Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	~0,6 Vol-%
Upper explosive limit:	~8 Vol-%
Vapour pressure:	Not determined
Vapour density (air = 1):	Vapours heavier than air.
Density:	0,8 g/cm <sup>3</sup> (15°C)
Bulk density:	n.a.
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	<7 mm <sup>2</sup> /s (40°C)
Explosive properties:	Product is not explosive.
Oxidising properties:	No

## 9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	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

See also section 7.

Heating, open flame, ignition sources

### 10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

Avoid contact with strong acids.

Avoid contact with strong alkalis.

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

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

### Motorbike Benzin Stabilisator 250 mL

Art.: 3041

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	t					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 sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.



Page 8 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 23.02.2015 / 0009  
Replaces revision of / Version: 07.01.2014 / 0008  
Valid from: 23.02.2015  
PDF print date: 24.02.2015  
Motorbike Benzin Stabilisator 250 mL  
Art.: 3041

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.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)						
Toxicity/effect	Endpoint t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		
Germ cell mutagenicity:						Negative
Carcinogenicity:						Negative Benzene content: <0,1%
Aspiration hazard:						Yes
Symptoms:						drying of the skin., headaches, nausea, respiratory distress, burning of the membranes of the nose and throat, coughing, fever, ear noises, hearing problems, drowsiness, unconsciousness, dizziness

A mixture of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate						
Toxicity/effect	Endpoint t	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 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 sensitizing
Repeated dose toxicity:	LOAEL	5	mg/kg bw/d	Rat		28 d

## SECTION 12: Ecological information

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

Motorbike Benzin Stabilisator 250 mL Art.: 3041							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.



Page 9 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 23.02.2015 / 0009  
Replaces revision of / Version: 07.01.2014 / 0008  
Valid from: 23.02.2015  
PDF print date: 24.02.2015  
Motorbike Benzin Stabilisator 250 mL  
Art.: 3041

Results of PBT and vPvB assessment						n.d.a.
Other adverse effects:						n.d.a.
Other information:						According to the recipe, contains no AOX.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	10	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	EC50	48h	10	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity to daphnia:	NOEC/NO EL	21d	0,097	mg/l	Daphnia magna		
Toxicity to algae:	EC50	72h	4,6	mg/l	Pseudokirchneriella subcapitata		
Toxicity to algae:	EL50	72h	4,1	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
Toxicity to algae:	NOELR	72h	0,76	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
Persistence and degradability:							Readily biodegradable
Bioaccumulative potential:	Log Pow		3,7-6,7				
Toxicity to bacteria:	EC50		>100	mg/l			
Water solubility:			0,04	g/l			

A mixture of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>74	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	EC50	24h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity to algae:	EC50	72h	>3	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
Persistence and degradability:							Not readily biodegradable
Bioaccumulative potential:	BCF	35d	260				
Bioaccumulative potential:	Log Pow		9,2				@20°C
Results of PBT and vPvB assessment							n.a.
Toxicity to bacteria:	IC50	3h	>100	mg/l	activated sludge		
Toxicity to bacteria:	IC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Water solubility:			0,5	µg/l			

Page 10 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 23.02.2015 / 0009  
 Replaces revision of / Version: 07.01.2014 / 0008  
 Valid from: 23.02.2015  
 PDF print date: 24.02.2015  
 Motorbike Benzin Stabilisator 250 mL  
 Art.: 3041

Water solubility:			5	µg/l		@20°C
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## 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. (2001/118/EC, 2001/119/EC, 2001/573/EC)  
 07 07 04 other organic solvents, washing liquids and mother liquors  
 14 06 03 other solvents and solvent mixes

Recommendation:

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

### General statements

UN number: 3295

#### Transport by road/by rail (ADR/RID)

UN proper shipping name:  
 UN 3295 HYDROCARBONS, LIQUID, N.O.S.  
 Transport hazard class(es): 3  
 Packing group: III  
 Classification code: F1  
 LQ (ADR 2015): 5 L  
 LQ (ADR 2009): 7  
 Environmental hazards: environmentally hazardous  
 Tunnel restriction code: D/E



#### Transport by sea (IMDG-code)

UN proper shipping name:  
 HYDROCARBONS, LIQUID, N.O.S. (HYDROCARBONS, C9-C12)  
 Transport hazard class(es): 3  
 Packing group: III  
 EmS: F-E, S-D  
 Marine Pollutant: Yes  
 Environmental hazards: environmentally hazardous



#### Transport by air (IATA)

UN proper shipping name:  
 Hydrocarbons, liquid, n.o.s.  
 Transport hazard class(es): 3  
 Packing group: III  
 Environmental hazards: Not applicable



### 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.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.  
 Minimum amount regulations have not been taken into account.

Page 11 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 23.02.2015 / 0009  
 Replaces revision of / Version: 07.01.2014 / 0008  
 Valid from: 23.02.2015  
 PDF print date: 24.02.2015  
 Motorbike Benzin Stabilisator 250 mL  
 Art.: 3041

Danger code and packing code on request.  
 Comply with special provisions.

## SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions:

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

Observe law on protection of expectant mothers (German regulation).

Directive 2010/75/EU (VOC):

~ 85 %

Directive 2010/75/EU (VOC):

~ 680 g/l

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections:

2, 3, 8, 11, 12, 14

**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
Flam. Liq. 3, H226	Classification based on test data.
STOT RE 1, H372	Classification according to calculation procedure.
Asp. Tox. 1, H304	Classification according to calculation procedure.
STOT SE 3, H336	Classification according to calculation procedure.
Aquatic Chronic 2, H411	Classification according to calculation procedure.

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

10 Flammable.

48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

51 Toxic to aquatic organisms.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

53 May cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

Flam. Liq. — Flammable liquid

STOT RE — Specific target organ toxicity - repeated exposure

Asp. Tox. — Aspiration hazard

STOT SE — Specific target organ toxicity - single exposure - narcotic effects

Aquatic Chronic — Hazardous to the aquatic environment - chronic

**Any abbreviations and acronyms used in this document:**

Page 12 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 23.02.2015 / 0009  
 Replaces revision of / Version: 07.01.2014 / 0008  
 Valid from: 23.02.2015  
 PDF print date: 24.02.2015  
 Motorbike Benzin Stabilisator 250 mL  
 Art.: 3041

AC Article Categories  
 acc., acc. to according, according to  
 ACGIH American Conference of Governmental Industrial Hygienists  
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 AOEL Acceptable Operator Exposure Level  
 AOX Adsorbable organic halogen compounds  
 approx. approximately  
 Art., Art. no. Article number  
 ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)  
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)  
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
 BCF Bioconcentration factor  
 BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)  
 BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)  
 BMGV Biological monitoring guidance value (EH40, UK)  
 BOD Biochemical oxygen demand  
 BSEF Bromine Science and Environmental Forum  
 bw body weight  
 CAS Chemical Abstracts Service  
 CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids  
 CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques  
 CIPAC Collaborative International Pesticides Analytical Council  
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
 CMR carcinogenic, mutagenic, reproductive toxic  
 COD Chemical oxygen demand  
 CTFA Cosmetic, Toiletry, and Fragrance Association  
 DMEL Derived Minimum Effect Level  
 DNEL Derived No Effect Level  
 DOC Dissolved organic carbon  
 DT50 Dwell Time - 50% reduction of start concentration  
 DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)  
 dw dry weight  
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
 EC European Community  
 ECHA European Chemicals Agency  
 EEA European Economic Area  
 EEC European Economic Community  
 EINECS European Inventory of Existing Commercial Chemical Substances  
 ELINCS European List of Notified Chemical Substances  
 EN European Norms  
 EPA United States Environmental Protection Agency (United States of America)  
 ERC Environmental Release Categories  
 ES Exposure scenario  
 etc. et cetera  
 EU European Union  
 EWC European Waste Catalogue  
 Fax. Fax number  
 gen. general  
 GHS Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP Global warming potential  
 HET-CAM Hen's Egg Test - Chorionallantoic Membrane  
 HGWP Halocarbon Global Warming Potential  
 IARC International Agency for Research on Cancer  
 IATA International Air Transport Association  
 IBC Intermediate Bulk Container  
 IBC (Code) International Bulk Chemical (Code)  
 IC Inhibitory concentration  
 IMDG-code International Maritime Code for Dangerous Goods  
 incl. including, inclusive  
 IUCLID International Uniform Chemical Information Database  
 LC lethal concentration  
 LC50 lethal concentration 50 percent kill

Page 13 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 23.02.2015 / 0009  
 Replaces revision of / Version: 07.01.2014 / 0008  
 Valid from: 23.02.2015  
 PDF print date: 24.02.2015  
 Motorbike Benzin Stabilisator 250 mL  
 Art.: 3041

LCLo lowest published lethal concentration  
 LD Lethal Dose of a chemical  
 LD50 Lethal Dose, 50% kill  
 LDLo Lethal Dose Low  
 LOAEL Lowest Observed Adverse Effect Level  
 LOEC Lowest Observed Effect Concentration  
 LOEL Lowest Observed Effect Level  
 LQ Limited Quantities  
 MARPOL International Convention for the Prevention of Marine Pollution from Ships  
 n.a. not applicable  
 n.av. not available  
 n.c. not checked  
 n.d.a. no data available  
 NIOSH National Institute of Occupational Safety and Health (United States of America)  
 NOAEC No Observed Adverse Effect Concentration  
 NOAEL No Observed Adverse Effect Level  
 NOEC No Observed Effect Concentration  
 NOEL No Observed Effect Level  
 ODP Ozone Depletion Potential  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 PAH polycyclic aromatic hydrocarbon  
 PBT persistent, bioaccumulative and toxic  
 PC Chemical product category  
 PE Polyethylene  
 PNEC Predicted No Effect Concentration  
 POCP Photochemical ozone creation potential  
 ppm parts per million  
 PROC Process category  
 PTFE Polytetrafluorethylene  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
 REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
 SADT Self-Accelerating Decomposition Temperature  
 SAR Structure Activity Relationship  
 SU Sector of use  
 SVHC Substances of Very High Concern  
 Tel. Telephone  
 ThOD Theoretical oxygen demand  
 TOC Total organic carbon  
 TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
 UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
 VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
 VOC Volatile organic compounds  
 vPvB very persistent and very bioaccumulative  
 WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).  
 WHO World Health Organization  
 wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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