

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## BECKER LUBE S 68

Version 1.8

Revision Date: 05.10.2020

Print Date: 06.05.2022

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

#### 1.1 Product identifier

Trade name : BECKER LUBE S 68

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

Use of the Substance/Mixture : Lubricant

Recommended restrictions on use : Reserved for industrial and professional use.

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

Supplier : **Gebr. Becker GmbH**  
Hölker Feld 29-31  
D-42279 Wuppertal

Telephone : (+49) 0202 697-0  
Telefax : (+49) 0202 666-0855  
Email Contact for Safety Data Sheet : If you have any enquiries about the content of this SDS please email [info@becker-international.com](mailto:info@becker-international.com)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Category 3      H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P273 Avoid release to the environment.

##### **Disposal:**

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

##### Additional Labelling

EUH208 Contains N-1-naphthylaniline. May produce an allergic reaction.

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 73.03 %

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 73.03 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 73.03 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 73.03 %

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Gas oils (petroleum), hydrodesulfurized	64742-79-6 265-182-8 649-222-00-5 01-2119471311-49-xxxx	Acute Tox. 4; H332 Skin Irrit. 2; H315 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 1 - < 2.5
N-1-naphthylaniline	90-30-2	Acute Tox. 4; H302	>= 0.25 - < 1

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	201-983-0 01-2119488704-27- xxxx	Skin Sens. 1B; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 <hr/> M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
triphenyl phosphate	115-86-6 204-112-2	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 <hr/> M-Factor (Acute aquatic toxicity): 1	$\geq 0.25 - < 1$

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or  
fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : None known.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons

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Information Service.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Burning produces noxious and toxic fumes.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.

#### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.  
If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national

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regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Dust explosion class : No data available

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place. Store at room temperature.

Storage period : 5 y

Further information on storage stability : Keep in a dry place.

### 7.3 Specific end use(s)

Specific use(s) : Raw material for industry

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
triphenyl phosphate	115-86-6	TWA	3 mg/m <sup>3</sup>	GB EH40
		STEL	6 mg/m <sup>3</sup>	GB EH40

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Workers	Dermal	Long-term systemic effects	0.62 mg/kg
	Workers	Inhalation	Long-term systemic effects, Systemic effects	4.37 mg/m <sup>3</sup>
	General exposures	Skin contact	Chronic effects, Systemic effects	0.31 mg/kg
	General exposures	Inhalation	Chronic effects, Systemic effects	1.09 mg/m <sup>3</sup>
	General exposures	Ingestion	Chronic effects, Systemic effects	0.31 mg/kg
N-1-naphthylaniline	Workers	Inhalation	Long-term systemic	0.18 mg/m <sup>3</sup>

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			effects	
	Workers	Inhalation	Acute systemic effects	44 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	0.05 mg/kg
	Workers	Dermal	Acute systemic effects	6.67 mg/kg
	General exposures	Inhalation	Long-term systemic effects	0.044 mg/m <sup>3</sup>
	General exposures	Inhalation	Acute systemic effects	33 mg/m <sup>3</sup>
	General exposures	Dermal	Long-term systemic effects	0.03 mg/kg
	General exposures	Dermal	Long-term systemic effects	3.33 mg/kg
	General exposures	Ingestion	Long-term systemic effects	0.03 mg/kg
	General exposures	Ingestion	Acute systemic effects	8 mg/kg

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance name	Environmental Compartment	Value
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Fresh water	0.051 mg/l
	Marine water	0.0051 mg/l
	Fresh water sediment	9320 mg/kg
	Marine sediment	932 mg/kg
	Soil	1860 mg/kg
	STP	1 mg/l
N-1-naphthylaniline	Fresh water	0.0002 mg/l
	Marine water	0.00002 mg/l
	Fresh water sediment	0.0344 mg/kg
	Marine sediment	0.00344 mg/kg
	Soil	0.0068 mg/kg
	STP	100 mg/l

**8.2 Exposure controls****Personal protective equipment**

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection : Polyvinyl alcohol or nitrile- butyl-rubber gloves  
Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Before removing gloves clean them with soap and water.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : No personal respiratory protective equipment normally re-

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quired.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	:	oily
Colour	:	light yellow
Odour	:	ester-like
Odour Threshold	:	Not relevant
pH	:	Not applicable
Pour point	:	-35 °C
Boiling point/boiling range	:	No data available
Flash point	:	250 °C
Evaporation rate	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	0.958 (15 °C)
Density	:	0.956 g/cm <sup>3</sup> (15 °C) Method: ASTM D 1298
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available

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Viscosity, kinematic : 72.1 mm<sup>2</sup>/s (40 °C)  
Method: ASTM D 445

### 9.2 Other information

Self-Accelerating decomposition temperature (SADT) : GLP: No information available.

Flammability (liquids) : No data available

Oxidizing potential : No information available.

Dust explosion class : No data available

Metal corrosion rate : Not corrosive to metals

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if used as directed.

### 10.2 Chemical stability

No decomposition if stored normally.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if used as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Contamination

### 10.5 Incompatible materials

Materials to avoid : Contamination

### 10.6 Hazardous decomposition products

No decomposition if stored normally.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : Remarks: Not classified due to lack of data.

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity : Remarks: Not classified due to lack of data.



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### Components:

#### **Gas oils (petroleum), hydrodesulfurized:**

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

#### **N-1-naphthylaniline:**

Acute oral toxicity : LD50 (Rat): 1,625 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg

#### **triphenyl phosphate:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 200 mg/l  
Exposure time: 1 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit, male and female): > 7,900 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

### Components:

#### **Gas oils (petroleum), hydrodesulfurized:**

Result : Irritating to skin.

#### **N-1-naphthylaniline:**

Species : Rabbit  
Method : Draize Test  
Result : No skin irritation

#### **triphenyl phosphate:**

Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

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### Components:

#### **N-1-naphthylaniline:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation

#### **triphenyl phosphate:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation  
GLP : yes

### **Respiratory or skin sensitisation**

### Components:

#### **N-1-naphthylaniline:**

Test Type : Maximisation Test  
Species : Guinea pig  
Result : Probability or evidence of low to moderate skin sensitisation rate in humans

#### **triphenyl phosphate:**

Test Type : Maximisation Test  
Species : Guinea pig  
Assessment : Did not cause sensitisation on laboratory animals.  
Method : OECD Test Guideline 406  
GLP : yes

### **Germ cell mutagenicity**

### Product:

Germ cell mutagenicity- Assessment : Not classified due to lack of data.

### Components:

#### **N-1-naphthylaniline:**

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: Chinese Hamster Ovary (CHO)  
Metabolic activation: with and without metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: in vivo assay  
Species: Mouse (male)  
Result: negative

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Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects., Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### triphenyl phosphate:

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: in vitro assay  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: unscheduled DNA synthesis assay  
Result: negative

Germ cell mutagenicity- Assessment : In vitro tests did not show mutagenic effects

### Carcinogenicity

#### Product:

Carcinogenicity - Assessment : Not classified due to lack of data.

#### Components:

##### N-1-naphthylaniline:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

##### triphenyl phosphate:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

### Reproductive toxicity

#### Product:

Reproductive toxicity - Assessment : Not classified due to lack of data.

#### Components:

##### triphenyl phosphate:

Reproductive toxicity - Assessment : No toxicity to reproduction

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### STOT - single exposure

#### Product:

Assessment : Not classified due to lack of data.

### STOT - repeated exposure

#### Product:

Assessment : Not classified due to lack of data.

#### Components:

##### **N-1-naphthylaniline:**

Exposure routes : Oral  
Target Organs : Liver, Kidney  
Assessment : May cause damage to organs through prolonged or repeated exposure.

##### **triphenyl phosphate:**

Exposure routes : Oral  
Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Aspiration toxicity

#### Product:

No aspiration toxicity classification

#### Components:

##### **Gas oils (petroleum), hydrodesulfurized:**

May be fatal if swallowed and enters airways.

### Further information

#### Product:

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

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### Components:

**Gas oils (petroleum), hydrodesulfurized:**

#### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

#### **N-1-naphthylaniline:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.44 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Analytical monitoring: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.68 mg/l  
Exposure time: 48 h  
Test Type: semi-static test  
Analytical monitoring: yes

M-Factor (Acute aquatic toxicity) : 1

Toxicity to microorganisms : EC50 (Protozoa): 2 mg/l  
Exposure time: 48 h  
  
EC50 (Bacteria): > 10,000 mg/l  
Exposure time: 3 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.02 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Analytical monitoring: yes

M-Factor (Chronic aquatic toxicity) : 1

#### **triphenyl phosphate:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.78 mg/l  
Exposure time: 96 h  
Test Type: static test

LC50 (Oryzias latipes (Orange-red killifish)): 1.2 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1 mg/l  
Exposure time: 48 h

EC50 : 0.36 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC (Green algae (Scenedesmus subspicatus)): 0.25 - 2.5 mg/l  
End point: Growth rate

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Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 0.037 mg/l  
Exposure time: 30 d  
Species: Oncorhynchus mykiss (rainbow trout)

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Result: No data available

#### Components:

##### **N-1-naphthylaniline:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 100 mg/l  
Result: According to the results of tests of biodegradability this product is not readily biodegradable.  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301  
GLP: yes

##### **triphenyl phosphate:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 100 mg/l  
Result: Readily biodegradable.  
Biodegradation: 83 - 94 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

#### Components:

##### **N-1-naphthylaniline:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Exposure time: 56 d  
Temperature: 25 °C  
Concentration: 0.1 mg/l  
Bioconcentration factor (BCF): 427 - 2,730

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Partition coefficient: n-octanol/water : log Pow: 4.28

### triphenyl phosphate:

Bioaccumulation : Species: Oryzias latipes (Orange-red killifish)  
Exposure time: 18 d  
Temperature: 25 °C  
Concentration: 0.01 mg/l  
Bioconcentration factor (BCF): 144

Partition coefficient: n-octanol/water : log Pow: 4.59 - 4.76

## 12.4 Mobility in soil

### Product:

Mobility : Remarks: No data available

## 12.5 Results of PBT and vPvB assessment

### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

## 12.6 Other adverse effects

### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

#### The components of this product are reported in the following inventories:

DSL : Not in compliance with the inventory

AICS : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory



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ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TCSI	: Not in compliance with the inventory
US.TSCA	: Substance(s) not listed on TSCA inventory

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### Full text of H-Statements

H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H332	: Harmful if inhaled.
H373	: May cause damage to organs through prolonged or repeated exposure if swallowed.
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.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System;

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GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Aquatic Chronic 3

H412

#### Classification procedure:

Calculation method

### Further information

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