

**Acaril**

Print date 30.11.2025  
Revision date 30.11.2025  
Version 1.5 (en)  
replaces version of 28.05.2022 (1.4)

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

**1.1 Product identifier**

**Trade name/designation** Acaril  
**Art-Nr.** 73055 (250 ml), 73057 (500 ml)  
**Unique Formula Identifier** UFI: Q1AH-F6HC-400N-6MG4

**Hazard components**

benzyl benzoate, Alcohols, C9-C11-iso-, C10-rich, ethoxylated, Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

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

**Use of the substance/mixture**  
wash concentrate

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

**Supplier**

Davimed GmbH  
Bahnhofstr. 1-3  
D-23795 Bad Segeberg  
Telephone +49 (0)4551 808 60-10  
Telefax +49 (0)4551 808 60-60  
E-mail [info@davimed.de](mailto:info@davimed.de)  
Website <http://www.davimed.de>

Department responsible for information:

Telephone +49 (0)4551 808 60-0  
Telefax +49 (0)4551 808 60-60

**1.4 Emergency telephone number**

Giftinformationszentrale Göttingen GIZ-Nord +49(0)551/ 19 240  
24/7

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**\* SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP] Classification procedure

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Acute Tox. 4, H302  
Eye Dam. 1, H318  
Aquatic Acute 1, H400  
Aquatic Chronic 2, H411

**Hazard statements for health hazards**

H302 Harmful if swallowed.  
H318 Causes serious eye damage.

**Hazard statements for environmental hazards**

H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

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### Remark

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## \* 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 [CLP]

#### Hazard components

benzyl benzoate, Alcohols, C9-C11-iso-, C10-rich, ethoxylated, Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

#### Hazard pictograms



GHS05



GHS07



GHS09

#### Signal word

Danger

#### Hazard statements

H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing and eye protection/face protection.  
P310 Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container to a licensed disposal company.

#### Special rules for supplemental label elements for certain mixtures

EUH208 Contains 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde. May produce an allergic reaction.

#### Special rules on packaging

Tactile warning according to EN/ISO 11683.

## \* Other labelling

30 % and more non-ionic surfactants  
5 % or over but less than 15 % anionic surfactants  
BENZYL BENZOATE (CAS 120-51-4)  
FARNESOL (CAS 4602-84-0)  
HYDROXYISOHEXYL3-CYCLOHEXENE CARBOXALDEHYDE (CAS 31906-04-4)  
ACETYLCEDRENE (CAS 32388-55-9)  
perfumes

## 2.3 Other hazards

### Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

not applicable

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**3.2 Mixtures**

**Hazardous ingredients**

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
120-51-4	204-402-9	607-085-00-9	benzyl benzoate	> 20 < 30 weight-%	Acute Tox. 4 ; H302 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	ATE(oral): 1500 mg/kg
78330-20-8			Alcohols, C9-C11-iso-, C10-rich, ethoxylated	15 < 25 weight-%	Acute Tox. 4; H302 Eye Dam. 1; H318	ATE(oral): >300-2000 mg/kg
68891-38-3	500-234-8		Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	> 5 < 10 weight-%	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	Eye Dam. 1;H318: 10% Eye Irrit. 2;H319: 5%  ATE(dermal): > 2000 mg/kg
31906-04-4	250-863-4		4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	0.01 < 0.1 weight-%	Skin Sens. 1A; H317	
REACH No.		Substance name				
01-2119976371-33-XXXX		benzyl benzoate				
01-2119488639-16-XXXX		Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts				

**Remark**

Substance-specific limit values of the raw materials are taken into account for the classification of the product.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

Remove contaminated, saturated clothing immediately.  
In case of occurring and / or persistent complaints consult a doctor.

**Following inhalation**

Provide fresh air.

**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.

**After eye contact**

Remove contact lenses.  
Rinse immediately carefully and thoroughly with eye-bath or water.  
Get medical advice/attention immediately.

**Following ingestion**

Rinse mouth immediately and drink plenty of water.  
Medical treatment necessary.

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

No data available

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

No data available

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam  
Dry extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet

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

**Hazardous combustion products**

If leaking, respect slipping.  
Thermal decomposition may release toxic substances.

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
Protective clothing.

**Additional information**

Remove containers from the danger zone if possible without risk.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Avoid contact with clothing, skin and eyes.  
Use suitable breathing apparatus if exposed to vapors / aerosol.  
Provide adequate ventilation.  
Use personal protection equipment.  
Special danger of slipping by leaking/spilling product.

**6.2 Environmental precautions**

Do not allow to enter into surface water or drains.  
Inform respective authorities in case of seepage into water course or sewage system.

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

**For containment**

Ensure adequate ventilation.  
Send in suitable containers for recovery or disposal.  
Suitable material for taking up:  
Sand  
Sawdust  
Universal binder  
Kieselguhr  
After taking up the material dispose according to regulation.

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**6.4 Reference to other sections**

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8  
Emergency telephone number: see section 1

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Protective measures**

Keep container tightly closed.  
If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Avoid:

Eye contact  
Skin contact  
Do not inhale gases/vapours/aerosols.

**Advices on general occupational hygiene**

Thorough skin-cleansing after handling the product.  
Apply skin care products after work.  
When using do not eat, drink, smoke, sniff.  
Remove contaminated, saturated clothing immediately.  
Work in rooms with good ventilation.  
Wash hands and face before breaks and after work and take a shower if necessary.  
Use protective skin cream before handling the product.

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

**Requirements for storage rooms and vessels**

Keep/Store only in original container.  
Keep container tightly closed.

**Further information on storage conditions**

Keep container tightly closed in a cool, well-ventilated place.  
Protect from heat and direct solar radiation.

**7.3 Specific end use(s)**

No data available

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**DNEL worker**

CAS No	Substance name	DNEL value	DNEL type	Remark
120-51-4	benzyl benzoate	102 mg/m <sup>3</sup>	acute inhalative (systemic)	
120-51-4	benzyl benzoate	2.6 mg/kg bw/day	long-term dermal (systemic)	
120-51-4	benzyl benzoate	5.1 mg/m <sup>2</sup>	long-term inhalative (systemic)	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	2750 mg/kg bw/day	long-term dermal (systemic)	

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CAS No	Substance name	DNEL value	DNEL type	Remark
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	175 mg/m <sup>3</sup>	long-term inhalative (systemic)	

**DNEL Consumer**

CAS No	Substance name	DNEL value	DNEL type	Remark
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	15 mg/kg bw/day	Long-term – oral, systemic effects	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	1650 mg/kg bw/day	long-term dermal (systemic)	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	52 mg/m <sup>3</sup>	long-term inhalative (systemic)	

**PNEC**

CAS No	Substance name	PNEC Value	PNEC type	Remark
120-51-4	benzyl benzoate	0.017 mg/L	aquatic, freshwater	
120-51-4	benzyl benzoate	0.002 mg/L	aquatic, marine water	
120-51-4	benzyl benzoate	10.66 mg/kg	sediment, freshwater	
120-51-4	benzyl benzoate	1.07 mg/kg	sediment, marine water	
120-51-4	benzyl benzoate	100 mg/L	sewage treatment plant (STP)	
120-51-4	benzyl benzoate	2.21 mg/kg	soil	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	0.24 mg/L	aquatic, freshwater	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	5.45 mg/kg soil dw	sediment, freshwater	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	0.946 mg/kg soil dw	sediment, marine water	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	0.024 mg/L	sediment, marine water	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	10000 mg/L	sewage treatment plant (STP)	
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	0.946 mg/kg soil dw	soil	

**8.2 Exposure controls**

**Appropriate engineering controls**

**Technical measures to prevent exposure**

Ensure good ventilation, where necessary use fume hood.

**Personal protection equipment**

**Eye/face protection**

safety goggles

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**Hand protection**

Suitable material:

NBR (Nitrile rubber)

The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**Body protection:**

Protective clothing

**Respiratory protection**

Not necessary if the ventilation is sufficient.

**SECTION 9: Physical and chemical properties**

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

**Physical state**

liquid

**Colour**

yellowish

**Odour**

fresh

**Safety relevant basis data**

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		
Auto-ignition temperature			Product is not self igniting.
Decomposition temperature			No decomposition if used as directed.
pH	in delivery state		neutral
Viscosity	not determined		
Solubility(ies)	Water solubility (20°C)		soluble
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	not determined		
Relative vapour density	not determined		

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	Value	Method	Source, Remark
particle characteristics	not determined		

**9.2 Other information**

**Other safety characteristics**

	Value	Method	Source, Remark
Explosive properties			The product is not explosive.

**Other information**

see technical data sheet

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.  
 Stable under normal conditions of use.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Heat and frost

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

Concerning possible decomposition products see section 5.

**Additional information**

As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

**Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No120-51-4 benzyl benzoate LD50: 1500 mg/kg Species Rat		
	CAS No78330-20-8 Alcohols, C9-C11-iso-, C10-rich, ethoxylated LD50: >300- 2000 mg/kg Species Rat		

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	Effective dose	Method,Evaluation	Source, Remark
Acute dermal toxicity	CAS No68891-38-3 Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts LD50: > 2000 mg/kg Species Rat		
Acute inhalation toxicity	not determined		

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**Skin corrosion/irritation**

**Assessment/classification**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

**Assessment/classification**

Risk of serious damage to eyes.

**Sensitisation to the respiratory tract**

**Assessment/classification**

No sensitizing effects known.

**Skin sensitisation**

**Assessment/classification**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

not determined

**Carcinogenicity**

not determined

**Reproductive toxicity**

not determined

**STOT-single exposure**

**STOT SE 1 and 2**

**Assessment/classification**

Not classified

**STOT SE 3**

**Irritation to respiratory tract**

**Assessment/classification**

Not classified

**Narcotic effects**

**Assessment/classification**

Not classified

**STOT-repeated exposure**

**Other information**

No effects known.

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**Aspiration hazard**

**Remark**

No classification in terms of aspiration.

**11.2 Information on other hazards**

**Information on other hazards**

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties		Based on available data, the classification criteria are not met.	

**Other information**

The product should be handled with the care usual when dealing with chemicals.  
Further hazardous properties can not be excluded.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No120-51-4 benzyl benzoate LC50: 2.32 mg/L Species Danio rerio (zebrafish) Test duration 96 h		
	CAS No78330-20-8 Alcohols, C9-C11-iso-, C10-rich, ethoxylated LC50: >10- 100 mg/L Species Leuciscus idus (golden orfe) Test duration 96 h	DIN 38412 / part 15	
Chronic (long-term) fish toxicity	CAS No120-51-4 benzyl benzoate NOEC 0.023 mg/L Species Danio rerio (zebrafish) Test duration 35 d	OECD 210	
Acute (short-term) toxicity to crustacea	CAS No120-51-4 benzyl benzoate EC50 3.09 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
Chronic (long-term) toxicity to aquatic invertebrate	NOEC 0.258 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 211	

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	Effective dose	Method, Evaluation	Source, Remark
	CAS No78330-20-8 Alcohols, C9-C11-iso-, C10-rich, ethoxylated NOEC > 1 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 202, Teil 2, semistatisch	
Acute (short-term) toxicity to algae and cyanobacteria	CAS No78330-20-8 Alcohols, C9-C11-iso-, C10-rich, ethoxylated EC50 >10- 100 mg/L Species Scenedesmus subspicatus	DIN 38412 / part 9	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	CAS No120-51-4 benzyl benzoate EC50 > 10000 mg/L Species activated sludge Test duration 3 h	OECD 209	
	CAS No78330-20-8 Alcohols, C9-C11-iso-, C10-rich, ethoxylated EC10 48 mg/L Species activated sludge Test duration 17 h	DIN 38412 / part 8	

**12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation	Degradation rate 94 % Test duration 28 d	OECD 301	CAS No120-51-4 benzyl benzoate
			readily biodegradable
Biodegradation	Degradation rate > 60 % Test duration 21 d	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	CAS No78330-20-8 Alcohols, C9-C11-iso-, C10-rich, ethoxylated
			readily biodegradable

**Assessment/classification**

The surfactant(s) contained in this mixture meet the conditions of biodegradability as prescribed in Regulation (EC) No 648/2004 (Detergents Regulation).

**12.3 Bioaccumulative potential**

**Assessment/classification**

Accumulation in organisms is not expected.

**12.4 Mobility in soil**

No data available

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**12.5 Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Endocrine disrupting properties**

Effective dose	Method, Evaluation	Source, Remark
Endocrine disrupting properties	Based on available data, the classification criteria are not met.	

**12.7 Other adverse effects**

**Additional ecotoxicological information**

**Additional information**

Discharge into the environment must be avoided.  
 Ecological data for the mixture are not available.

**\* SECTION 13: Disposal considerations**

**\* 13.1 Waste treatment methods**

**Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
200129 *	detergents containing hazardous substances

Waste code packaging	Waste name
150102	plastic packaging

**Appropriate disposal / Product**

Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".  
 The used product may have different properties than the unused one. This safety data sheet cannot provide any information on the used product.  
 The waste code number mentioned is only intended as a recommendation.  
 This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the German federal states.

**Appropriate disposal / Package**

Disposal in accordance with local regulations.  
 Completely emptied packages can be recycled.  
 Totally emptied packaging may be treated as household waste.

**\* SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN number or ID number</b>	-	-	-
<b>14.2 UN proper shipping name</b>	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	-	-	-

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**14.6 Special precautions for user**

No data available

**14.7 Maritime transport in bulk according to IMO instruments**

No data available

\* **All transport carriers**

No dangerous good in sense of these transport regulations.

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**SECTION 15: Regulatory information**

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

No data available

**15.2 Chemical Safety Assessment**

No data available

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\* **SECTION 16: Other information**

**Indication of changes**

\* Data changed compared with the previous version

\* **Abbreviations and acronyms**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

CLP: Classification, Labelling and Packaging

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ECHA: European Chemicals Agency

REACH: Registration, Evaluation and Authorization of Chemicals

PBT: persistent and bioaccumulative and toxic

PNEC: Predicted No Effect Concentration

SCL: Specific concentration limit

STOT: Specific Target Organ Toxicity

SVHC: Substance of Very High Concern

vPvB: very persistent, very bioaccumulative

DNEL: derived no-effect level

ATE: Acute Toxicity Estimate

WGK: water hazard class

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50 % reduction in growth rate

LC50: Lethal (fatal) Concentration 50%

IC50: Inhibition Concentration 50 %

LD50: Lethal (fatal) Dose 50%

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

Acute Tox. 4, H302: Acute Toxicity (oral), Category 4

Skin Irrit. 2: Skin irritation, Category 2

Eye Dam. 1: Serious eye damage, Category 1

Skin Sens. 1A: Skin sensitizer, Sub-category 1A

Aquatic Acute 1: Short-term (acute) aquatic hazard, Category 1

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, Category 2

Aquatic Chronic 3: Long-term (chronic) aquatic hazard, Category 3

\* **Key literature references and sources for data**

Data sheets of the sub-supplier.

Umweltbundesamt Berlin (Wassergefährdungsklassen)

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**Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

The classification of the mixture was carried out following the calculation method according to the CLP Regulation (1272/2008).

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**Training advice**

See technical data sheet for more information.

**Additional information**

National and local regulations concerning chemicals shall be observed.

The national special regulations must be implemented by each user on his own responsibility!

Please observe the following disclaimer! Our safety data sheets have been compiled according to effective EU directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Relevant H- and EUH-phrases (Number and full text)**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

**Indication of changes**

\* Data changed compared with the previous version