

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 1/11

Doyen F 40

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

1.1. Product identifier

Trade name/designation:

Doyen F 40

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

Use of the substance/mixture:

Biocidal product

Relevant identified uses:

Life cycle stage [LCS]

PW: Widespread use by professional workers

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

etol Eberhard Tripp GmbH

Labor

Allerheiligenstr. 12

77728 Oppenau

Germany

Telephone: +49(0)7804/41-0

Telefax: +49(0)7804/41-168

E-mail: info@etol.de

Website: www.etol.de

1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, 24h: +49(0)76119240

SECTION 2: Hazards identification

* 2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	Calculation method.
Hazardous to the aquatic environment (<i>Aquatic Acute 1</i>)	H400: Very toxic to aquatic life.	Calculation method.
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

* 2.2. Label elements

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

Hazard pictograms:



GHS05
Corrosion



GHS09
Environment

Signal word: Danger

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 2/11

Doyen F 40

Hazard components for labelling:

isotridecanole, ethoxylated; didecyldimethylammoniumchloride

Hazard statements for health hazards

H315 Causes skin irritation.

H318 Causes serious eye damage.

Hazard statements for environmental hazards

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information: none

Precautionary statements Prevention

P280 Wear protective gloves and eye/face protection.

Precautionary statements Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/....

P391 Collect spillage.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

* 3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 69011-36-5	isotridecanole, ethoxylated Aquatic Chronic 3 (H412), Eye Dam. 1 (H318) Danger	2 - 10 weight-%
CAS No.: 7173-51-5 EC No.: 230-525-2 REACH No.: 01-2119945987-15	didecyldimethylammoniumchloride Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 2 (H411), Eye Dam. 1 (H318), Skin Corr. 1B (H314) Danger M-factor (acute): 10 M-factor (chronic): 1	2 - 5 weight-%
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH No.: 01-2119457558-25	Propan-2-ol Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger	1 - 2 weight-%
CAS No.: 497-19-8 EC No.: 207-838-8 Index No.: 011-005-00-2 REACH No.: 01-2119485498-19	sodium carbonate Eye Irrit. 2 (H319) Warning	0 - 1 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 3/11

Doyen F 40

In case of skin contact:

If skin irritation or rash occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Serious eye damage/eye irritation

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

Water

Extinguishing powder

Carbon dioxide (CO₂)

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

Hazardous combustion products:

In case of fire may be liberated:

Nitrogen oxides (NO_x)

Chlorine (Cl₂)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water-----.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 4/11

Doyen F 40

For cleaning up:

Water

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Fire prevent measures:

No special measures are necessary.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Please note the expiry date

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

* 8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ DFG, Y

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
TRGS 903 (DE) from 1 Nov 2012	Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE) from 1 Nov 2012	Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 5/11

Doyen F 40

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	5.39 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	5.39 mg/m ³	① DNEL worker ② Acute - inhalation, systemic effects
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	1.55 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	1.55 mg/kg	① DNEL worker ② Acute - dermal, systemic effects
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium-salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2 EC No.: 423-270-5	40 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium-salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2 EC No.: 423-270-5	40 mg/m ³	① DNEL worker ② Acute - inhalation, systemic effects
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium-salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2 EC No.: 423-270-5	4 mg/m ³	① DNEL worker ② Long-term - inhalation, local effects
sodium carbonate CAS No.: 497-19-8 EC No.: 207-838-8	10 mg/m ³	① DNEL worker ② Long-term - inhalation, local effects

Substance name	PNEC Value	① PNEC type
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	0.002 mg/L	① PNEC aquatic, freshwater
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	0.0002 mg/L	① PNEC aquatic, marine water
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	0.595 mg/L	① PNEC sewage treatment plant
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	2.82 mg/kg	① PNEC sediment, freshwater
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2	0.28 mg/kg	① PNEC sediment, marine water
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium-salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2 EC No.: 423-270-5	2 mg/L	① PNEC aquatic, freshwater

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 6/11

Doyen F 40

Substance name	PNEC Value	① PNEC type
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium-salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2 EC No.: 423-270-5	0.2 mg/L	① PNEC aquatic, marine water
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium-salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2 EC No.: 423-270-5	100 mg/L	① PNEC sewage treatment plant
Reaction mass aus (2S)-Alanin,N,N-bis(carboxymethyl)-,trisodium-salt und (2R)-Alanin,N,N-bis(carboxymethyl)-,trisodium salt CAS No.: 164462-16-2 EC No.: 423-270-5	1 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: NBR (Nitrile rubber) >0,2mm
Breakthrough time: 480min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

* 9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: colourless

Odour: Alcohol

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	10.5	20 °C	② 1 % solution
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	> 90 °C		
Decomposition temperature	not determined		
Flash point	58 °C		② Not sustaining combustion.
Evaporation rate	not determined		
Auto-ignition temperature	not determined		

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 7/11

Doyen F 40

Parameter	Value	at °C	① Method ② Remark
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	= 1.02 g/cm ³	20 °C	
Relative density	not determined		
Bulk density	not determined		
Water solubility	completely miscible	20 °C	
Partition coefficient: n-octanol/water	not determined		
Dynamic viscosity	not determined		
Kinematic viscosity	not determined	40 °C	

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product itself does not burn.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

Acid

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

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

isotridecanole, ethoxylated CAS No.: 69011-36-5
LD₅₀ oral: >500 - <2,000 mg/kg (Rat)
didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2
LD₅₀ oral: =238 mg/kg (Rat)
LD₅₀ dermal: =3,342 mg/kg (Rabbit)
sodium carbonate CAS No.: 497-19-8 EC No.: 207-838-8
LD₅₀ oral: =2,800 mg/kg (Rat)
LD₅₀ dermal: >2,000 mg/kg (Rabbit)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes skin irritation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 8/11

Doyen F 40

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

isotridecanole, ethoxylated CAS No.: 69011-36-5
LC₅₀: >1 - <10 mg/L 4 d (fish-----, Leuciscus idus (golden orfe))
EC₅₀: >1 - <10 mg/L 3 d (Algae/water plant)
didcyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2
LC₅₀: =0.19 mg/L 4 d (fish-----, Pimephales promelas (fathead minnow))
NOEC: =0.014 mg/L 21 d (crustaceans, Daphnia magna (Big water flea))
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
EC₅₀: >1,000 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus)
sodium carbonate CAS No.: 497-19-8 EC No.: 207-838-8
LC₅₀: =300 mg/L 4 d (fish-----, Lepomis macrochirus (Bluegill))
EC₅₀: >200 - <227 mg/L 2 d (crustaceans, Ceriodaphnia spec)

Aquatic toxicity:

Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

isotridecanole, ethoxylated CAS No.: 69011-36-5
Biodegradation: Yes, rapidly
didcyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2
Biodegradation: Yes, rapidly
Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

Propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
Log K_{OW}: -0.16

12.4. Mobility in soil

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 9/11

Doyen F 40

12.5. Results of PBT and vPvB assessment

didecyldimethylammoniumchloride CAS No.: 7173-51-5 EC No.: 230-525-2

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

20 01 29 * Detergents containing hazardous substances

*: Evidence for disposal must be provided.

Waste code packaging

15 01 10 * packaging containing residues of or contaminated by dangerous substances

*: Evidence for disposal must be provided.

Waste treatment options









Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft- (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUB- STANCE, LIQUID, N.O.S. (Didecyldimethylammoniumchloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (didecyldi- methylammoniumchloride)	ENVIRONMENTALLY HAZARDOUS SUB- STANCE, LIQUID, N.O.S. (Didecyldimethyl ammoniumchloride)	ENVIRONMENTALLY HAZARDOUS SUB- STANCE, LIQUID, N.O.S. (Didecyldimethyl ammoniumchloride)
14.3. Transport hazard class(es)			
 9	 9	 9	 9
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
Special Provisions: 274,335,375,601	Special Provisions: 274,335,375,601	Special Provisions: 274,335,966,967,969	No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 10/11

Doyen F 40

Land transport (ADR/RID)	Inland waterway craft- (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
Limited quantity (LQ): 5L Excepted Quantities (EQ): E1 Hazard identification number (Kemler No.): 90 Classification code-----: M6 Tunnel restriction code-----: (E)	Limited quantity (LQ): 5L Excepted Quantities (EQ): E1 Classification code-----: M6	Limited quantity (LQ): 5L Excepted Quantities (EQ): E1 EmS-No.: F-A, S-F	

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:

- E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Regulation (EC) No. 648/2004 [Detergents regulation]

5-15% non-ionic surfactants

<5% cationic surfactants

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 1.8 weight-%

15.1.2. National regulations

[DE] National regulations

Störfallverordnung (12. BImSchV)

for substances contained in the product:

Hazard categories:

- E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Water hazard class

WGK:

2 - deutlich wassergefährdend

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1. Indication of changes

2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture

16.2. Abbreviations and acronyms

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Dec 2022

Print date: 23 Dec 2022

Version: 8



Page 11/11

Doyen F 40

16.3. Key literature references and sources for data

No data available

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	Calculation method.
Hazardous to the aquatic environment (<i>Aquatic Acute 1</i>)	H400: Very toxic to aquatic life.	Calculation method.
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

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.

* Data changed compared with the previous version.