# Product Name: cedis Profi UltraActiv (Concentrate)

REF: 86208, 862081, 862084, 862085

Date of print: 02.02.2021 Date of last alteration: 02.02.2021

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

#### 1.1. Product identifier

cedis Profi UltraActiv (Concentrate)

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

Disinfectant

#### Main intended use

PP-BIO-2 Disinfectants and algaecides not intended for direct application to humans or animals.

#### **Relevant identified uses**

SU21	Consumer uses: Private households (= general public = consumers).
SU22	Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen).
PC8	Biocidal Products (e. g. Disinfectants, pest control).
PC35	Washing and cleaning products (including solvent based products).
PROC10	Roller application or brushing.
ERC11B	Wide dispersive indoor use of long-life articles and materials with high or intended release
	(including abrasive processing).

#### Uses advised against

No specific uses advised against are identified.

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

Manufacturer/distributor: egger Otoplastik+Labortechnik GmbH Street/POB-No.: Aybühlweg 59 Postal code/city/country: 87439 Kempten/Germany Telephone: +49 831 58113-60 Telefax: +49 831 58113-14 Internet: www.egger.online E-mail: sales@egger.online

**1.4. Emergency telephone number:** +49 89 19240 Emergency number: Munich, Germany, toxicological dep. of the II. Med. Hospital)

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Skin Corr. 1B; H314; Calculation method Eye Dam. 1; H318; Calculation method Aquatic Acute 1; H400; Calculation method Aquatic Chronic 2; H411; Calculation method

Additional information on classification The informations stated in this MSDS, applies for the concentrated product.

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2.2. Label elements Hazard Pictograms (CLP)



#### Composition on the label

Didecyldimethylammonium chloride 33,0 g/kg, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 33,0 g/kg, Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride 33,0 g/kg

Signal word

Danger

#### **Hazard statements**

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing.

P310 Immediately call a POISON CENTER or doctor / physician.

P280 Wear protective gloves/eye protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P273 Avoid release to the environment.

#### Other Label Information (CLP)

No data recorded.

#### 2.3. Other hazards

**Environmental effects** 

Not Classified as PBT/vPvB by current EU criteria.

#### Other hazards

No evidence for endocrine disrupting properties.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Didecyldimethylammoniumchloride	CAS No.: 7173-51-5	Eye Dam. 1; H318	< 5 %	
	EC No.: 230-525-2	Skin Corr. 1B; H314		
	Index No.:	Acute tox. 3; H301		
	612-131-00-6	Aquatic Acute 1; H400;		
	REACH Reg. No.:	M-factor 10		
	01-2119945987-15-xxxx	Aquatic Chronic 2;		
		H411		



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Quaternani ammanium compoundo	CAS No.: 68424-85-1	Aguta tay, 4: 1202	< 5 %	
Quaternary ammonium compounds,		Acute tox. 4; H302	< 5 %	
benzyl-C12-16-alkyldimethyl,	EC No.: 270-325-2	Skin Corr. 1B; H314		
chlorides	REACH Reg. No.:	Aquatic Acute 1; H400;		
	01-2119965180-41-xxxx	M-factor 10		
		Aquatic Chronic 1;		
		H410; M-factor 1		
		Eye Dam. 1; H318		
Quaternary ammonium	CAS No.: 85409-23-0	Acute Tox. 4; H302	< 5 %	
compounds,	EC No.: 287-090-7	Acute Tox. 4; H312		
C12-14-alkyl[(ethylphenyl) methyl]	REACH Reg. No.:	Skin Corr. 1B; H314		
dimethyl, chloride	01-2120771812-51-xxxx	Aquatic Acute 1; H400;		
		M-factor 10		
		Aquatic Chronic 1;		
		H410; M-factor 1		
Substance comments Regulation (EC) No 648/2004 of the European Parliament and of the Counc		uncil of		
	31 March 2004 on detergents: 5 - 15 %: Disinfectant .			
The full text for all hazard statements is displayed in section 16.		tion 16.		

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General

Remove affected person from source of contamination.

#### Inhalation

Fresh air. Get medical attention if any discomfort continues.

#### Skin contact

Rinse with water. Get medical attention if any discomfort continues.

#### Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Do not rub eye. Immediately flush with plenty of water and continue flushing during transport to hospital. Bring these instructions. If eye irritation persists: Get medical advice/attention.

#### Ingestion

Rinse mouth with water. Get medical attention if any discomfort continues.

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

#### Acute symptoms and effects

Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative. Corrosive. Prolonged contact causes serious tissue damage.

#### **Delayed symptoms and effects**

The etching penetrates deeply into the tissue and is first noticed after a while.

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

In case of unconsciousness, ingestion or eye contact: Immediately call a doctor / ambulance. Show this safety data sheet.

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## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture Fire and explosion hazards

Follow the general fire precautions indicated by the workplace.

#### 5.3. Advice for firefighters

Personal protective equipment

Wear necessary protective equipment. For personal protection, see section 8.

## **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures Personal protection measures

Avoid contact with eyes and prolonged skin contact.

#### 6.2. Environmental precautions

**Environmental precautionary measures** Avoid discharge into water courses or onto the ground.

# 6.3. Methods and material for containment and cleaning up Cleaning method

Recover the product and place in a suitable container for reuse. Flush contaminated area with plenty of water.

**6.4. Reference to other sections Other instructions** See section 8 and section 13.

#### **SECTION 7: Handling and storage**

**7.1. Precautions for safe handling** Handling No specific usage precautions noted.

#### Protective saftey measures

#### Advice on general occupational hygiene

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Eating, smoking and water fountains prohibited in immediate work area. Take off contaminated clothing and personal protective equipment before entering an eating area.

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

#### Storage

Store in closed original container in a dry place.



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Conditions for safe storage Technical measures and storage conditions Lagerklasse: 8B Storage Temperature Value: 0-35 °C Storage Stability Durability: 24 months.

7.3. Specific end use(s)Specific use(s)The identified uses for this product are detailed in Section 1.2.

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

8.1. Control parameters Control parameters comments No data recorded.

DNEL / PNEC Substance Didecyldimethylammoniumchloride

#### DNEL

Group: Professional Route of exposure: Long-term dermal (systemic) Value: 8,6 mg/kg bw/d

Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 18,2 mg/m<sup>3</sup>

#### PNEC

Route of exposure: Soil Value: 1,4 mg/kg Route of exposure: Saltwater sediments Value: 0,282 mg/kg Route of exposure: Freshwater sediments Value: 2,82 mg/kg Route of exposure: Sewage treatment plant STP Value: 0,595 mg/l Route of exposure: Saltwater Value: 0,0002 mg/l Route of exposure: Freshwater Value: 0,002 mg/l

#### Substance

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

#### DNEL

Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 1,64 mg/m3



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Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 3,4 mg/kg bw/d

Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 3,96 mg/m<sup>3</sup>

Group: Professional Route of exposure: Long-term dermal (systemic) Value: 5,7 mg/kg bw/d

Group: Consumer Route of exposure: Long-term oral (systemic) Value: 3,4 mg/kg bw/d

#### PNEC

Route of exposure: Sewage treatment plant STP Value: 0,4 mg/l Route of exposure: Soil Value: 7 mg/kg Route of exposure: Saltwater sediments Value: 0,0267 mg/l Route of exposure: Freshwater sediments Value: 0,267 mg/kg Route of exposure: Freshwater Value: 0,0009 mg/l Route of exposure: Saltwater Value: 0,00009 mg/l Route of exposure: Water Value: 0,00016 mg/l

# 8.2. Exposure controls Safety signs



#### Precautionary measures to prevent exposure

#### Technical measures to prevent exposure

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Provide eyewash station and safety shower.

#### Eye / face protection

**Suitable eye protection** Wear approved safety goggles. EN 166.

#### Hand protection

#### Skin- / hand protection, long term contact

Use protective gloves made of: Butyl rubber. ≥ 0,5 mm, Neoprene. ≥ 0,5 mm, Nitrile. ≥ 0,4 mm, EN 374.

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#### Breakthrough time

Value: ≥ 480 minute(s)

#### Hand protection, comments

Manufacturer's directions for use should be observed because of great diversity of types. The recommendation is a qualified estimate based on knowledge of the components.

#### Skin protection

#### Additional skin protection measures

Wear suitable protective clothing as protection against splashing or contamination. Wear rubber footwear.

#### **Respiratory protection**

#### Respiratory protection necessary at

Respiratory protection is not required for normal use.

#### **Thermal hazards**

No recommendation given.

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

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

Physical state	Colourless liquid.
Colour	Colourless.
Odour	Almost odourless.
рН	Status: In delivery state - Value: ~ 7,0
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Value: > 65 °C
Evaporation rate	Comments: Not determined.
Explosion limit	Comments: Not determined.
Vapour pressure	Comments. Not determined.
Relative density	Value: ~ 1,0 g/ml
Solubility	Medium: Water - Comments: Completely soluble in water.
Partition coefficient: n-octanol/water	Comments: Not relevant.
Auto-ignition temperature	Comments: Not determined.
Decomposition temperature	Comments: Not relevant.
Viscosity	Comments: Not relevant.
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

#### 9.2. Other information

9.2.2. Other safety characteristics

Comments

No data recorded.



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## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stabilityStabilityStable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions** See section 10.4 and section 10.5.

**10.4. Conditions to avoid** No recommendation given.

**10.5. Incompatible materials Materials to avoid** None in particular.

**10.6. Hazardous decomposition products** During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

#### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

SubstanceDidecyldimethylammoniumchlorideAcute toxicityType of toxicity: Acute

Effect tested: LD50 Route of exposure: Oral Value: 238 mg/kg Animal test species: Rat

Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: 3342 mg/kg Animal test species: Rabbit

Substance Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

#### Acute toxicity

Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 600 mg/kg Animal test species: Rat

#### Substance

Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride

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#### Acute toxicity

Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: ~ 334 mg/kg Animal test species: Rat Test reference: LD50

Other toxicological data

Toxicological tests on the product has not been performed.

## Other information regarding health hazards

Assessment of acute toxicity, classification

No evidence for acute toxicity.

SubstanceDidecyldimethylammoniumchlorideSkin corrosion / irritation test resultToxicity type: Skin corrosionMethod: OECD 404Species: Rabbit.Evaluation result: Corrosive to skin.

SubstanceDidecyldimethylammoniumchlorideEye damage or irritation, test resultsToxicity type: Eye damageEvaluation result: No data recorded.

# SubstanceDidecyldimethylammoniumchlorideRespiratory or skin sensitisationToxicity type: Skin sensitivityMethod: Buehler test.Species: Guinea Pig.

Evaluation result: Not sensitising.

Inhalation Aerosols may be corrosive.

#### Skin contact

Strongly corrosive. May cause deep tissue damage.

#### Eye contact

Strongly corrosive. Causes severe burns. Immediate first aid is imperative. May cause permanent damage to the eyes, especially if the product is not washed away IMMEDIATELY.

#### Ingestion

May cause burns in mucous membranes, throat, oesophagus and stomach.

#### Sensitisation

No evidence for respiratory nor skin sensitization.

#### Assessment of germ cell mutagenicity, classification

No evidence for germ cell mutagenicity.



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Assessment of carcinogenicity, classification

No evidence for carcinogenicity.

Assessmet of reproductive classification No evidence for reproductive toxicity.

no evidence for reproductive toxicity.

Assessment of specific target organ toxicity - single exposure, classification No evidence for STOT-single exposure.

Assessment of specific target organ toxicity - repeated exposure, classification No evidence for STOT-repeated exposure.

**Assessment of aspiration hazard, classification** No evidence for aspiration hazard.

**11.2 Other Information Endocrine disruption** No evidence for endocrine disrupting properties.

Other information No specific symptoms noted.

#### **SECTION 12: Ecological information**

 12.1. Toxicity

 Substance
 Didecyldimethylammoniumchloride

 Acute aquatic, fish

 Value: > 0,1 – 1 mg/l

 Species: Danio rerio

 Method: LC50

 Test reference: OECD test guideline 203

 Substance
 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

 Acute aquatic, fish
 Value: 0,1-1 mg/l

 Test duration: 96 hour(s)
 Species: Oncorhynchus mykiss

 Method: LC50
 Value: 0,1-1 mg/l

 Substance
 Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride

 Acute aquatic, fish
 Value: 0,28 mg/l

 Test duration: 96h
 Species: Pimephales promelas

 Method: LC50
 Test reference: US-EPA

SubstanceDidecyldimethylammoniumchlorideAcute aquatic, algaeToxicity type: AcuteValue: > 0,01 - 0,1 mg/l



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Species: Pseudokirchneriella subcapitata Method: NOEC Test reference: OECD TG 201

Value: > 0,01 – 0,1 mg/l Species: Pseudokirchneriella subcapitata Method: EC50 Test reference: OECD TG 201

 Substance
 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

 Acute aquatic, algae

 Toxicity type: Acute

 Value: > 0,001 – 0,01 mg/l

 Species: Pseudokirchneriella subcapitata

 Method: NOEC

 Test reference: OECD TG 201

Value: 0,01-0,1 mg/l Test duration: 72 hour(s) Species: Selanastrum capricornutum Method: IC50

 Substance
 Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride

 Acute aquatic, algae
 Value: 0,049 mg/l

 Test duration: 72 h
 Species: Pseudokirchneriella subcapitata

 Method: ErC50
 Test reference: OECD 201

Substance Didecyldimethylammoniumchloride

#### Acute aquatic, crustacean Toxicity type: Acute Value: > 0,01 – 0,1 mg/l Species: Daphnia magna Method: NOEC Test reference: OECD TG 211

Value: > 0,01 – 0,1 mg/l Species: Daphnia magna Method: EC50 Test reference: OECD TG 202

Substance Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Acute aquatic, crustacean Value: 0,01-0,1 mg/l Test duration: 48 hour(s) Species: Daphnia magna Method: EC50

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SubstanceQuaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorideAcute aquatic, crustaceanValue: 0,016 mg/lTest duration: 48hSpecies: Daphnia magnaMethod: EC50Test reference: OECD 202

#### Ecotoxicity

Product is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 12.2. Persistence and degradability Persistence and degradability description/evaluation

The product is easily biodegradable.

#### Substance Didecyldimethylammoniumchloride

**Biodegradability** Value: 72 % Method: OECD 301B Test period: 28 day(s)

Substance Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

#### Biodegradability

Value: > 60 % Method: OECD 301D; EØF 92/69, C.4-E. Test period: 28 day(s)

Substance Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride Biodegradability Value: > 90 % Method: OECD 303 A

12.3. Bioaccumulative potential Bioaccumulation, evaluation

Will not bio-accumulate.

#### 12.4. Mobility in soil Mobility

The product is water soluble and may spread in water systems.

#### 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

#### 12.6. Other adverse effects

No evidence for endocrine disrupting properties.

#### 12.7. Other adverse effects Additional ecological information None.

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## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### Appropriate methods of disposal for the chemical

Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.

#### Appropriate methods of disposal for the contaminated packaging

Dispose unused product and the packaging in accordance with local requirements.

#### EWC waste code

EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes

#### **EWL** packing

EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes

#### Other information

Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

## **SECTION 14: Transport information**

**14.1. UN number** ADR / RID / ADN 1903 IMDG 1903 ICAO / IATA 1903

**14.2. UN proper shipping name Proper shipping name english ADR / RID / ADN** DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

**Technical name / danger releasing substance English, ADR / RID / ADN** Didecyldimethylammonium chloride, Benzalkonium chloride

ADR / RID / ADN DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

IMDG DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

**Technical name / danger releasing substance IMDG** Didecyldimethylammonium chloride, Benzalkonium chloride

#### ICAO / IATA

DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

Technical name / danger releasing substance ICAO/IATA Didecyldimethylammonium chloride, Benzalkonium chloride



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14.3. Transport hazard class(es) ADR / RID / ADN Classificaton code ADR / RID / ADN IMDG ICAO / IATA	8 C9 8 8
14.4. Packing group	
ADR / RID / ADN	
IMDG	
ICAO / IATA	III

#### 14.5. Environmental hazards

#### ADR / RID / ADN

Danger label for "Environmental hazard" should be used if packagings with more than 5 liters or 5 kilos are transported.

#### IMDG

Danger label for "Environmental hazard" should be used if packagings with more than 5 liters or 5 kilos are transported.

#### IMDG Marine pollutant

Yes

**14.6. Special precautions for user Special safety precautions for user** No data recorded.

**14.7. Maritime transport in bulk according to IMO instruments Product name** DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

Additional information Hazard label ADR/RID/ADN Hazard label IMDG	8 8
Hazard label ICAO/IATA	8
ADR / RID - Other information Tunnel restriction code Transport category Hazard No.	E 3 80
ADN - Other information Special provisions No recommendation given.	
IMDG - Other information	

IMDG - Other information	
EmS	F-A, S-B

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## **SECTION 15: Regulatory information**

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

Yes

#### Legislation and regulations

The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments. EH40/2005, Workplace exposure limits 2005, with amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. COMMISSION DIRECTIVE 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents. REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products.

15.2. Chemical safety assessment Chemical safety assessment performed No

#### **SECTION 16: Other information**

#### List of relevant H-phrases (Section 2 and 3)

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- 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.

#### **Training advice**

No particular training or education is required but the user must be familiar with this SDS.