

according to Regulation (EC) No 1907/2006

CP-Synthofloor 8010 Plus Part B

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

1.1. Product identifier

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

Use of the substance/mixture

Industrial and construction product.

Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Company name: Chesterton International GmbH

Street: Am Lenzenfleck 23

Place: DE-85737 Ismaning GERMANY

Telephone: +49 89 99 65 46 - 0 Telefax: +49 89 99 65 46 - 50

e-mail: eu-sds@chesterton.com
e-mail (Contact person): eu-sds@chesterton.com
Internet: www.chesterton.com
Responsible Department: eu-sds@chesterton.com

1.4. Emergency telephone +49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1 Respiratory or skin sensitisation: Skin Sens. 1A

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage. May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Phenol, styrenated

polymer based on dipropylenetriamine

Poly(oxypropylene)diamine

3-aminomethyl-3,5,5-trimethylcyclohexylamine



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Signal word: Danger

Pictograms:







Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

or 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.

P310 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Hazardous components

CAS No	Chemical name					
	EC No	Index No	REACH No			
	GHS Classification	•	•			
61788-44-1	Phenol, styrenated			25 -< 50 %		
	262-975-0		01-2119980970-27			
	Skin Irrit. 2, Skin Sens. 1A, Aqua	tic Chronic 2; H315 H317 H	111			
161278-35-9	polymer based on dipropylenetriamine					
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1; H332 H312 H302 H314 H318					
9046-10-0	Poly(oxypropylene)diamine					
	Skin Corr. 1C, Eye Dam. 1, Aqua	atic Chronic 3; H314 H318 H	412			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine					
	220-666-8	612-067-00-9	01-2119514687-32			
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H318 H317 H412					

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change contaminated, saturated clothing.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

In case of allergic symptoms, seek medical advice immediately.

After inhalation

In case of inhalation of product / fumes, affected person should be moved into fresh air and kept still. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

Remove contaminated, saturated clothing immediately.

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

Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain



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immediate medical attention.

Let water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

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

Causes severe skin burns and eye damage.

Gastrointestinal complaints

Allergic reactions

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder.

Carbon dioxide (CO2).

alcohol resistant foam.

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Carbon monoxide

Carbon dioxide (CO2).

Nitrogen oxides (NOx)

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing. In case of fire: Wear self-contained breathing apparatus.

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

See protective measures under point 7 and 8.

Provide adequate ventilation.

Personal protection equipment: see section 8

Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Cover drains.

Clean contaminated articles and floor according to the environmental legislation.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.



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6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

Avoid contact with eyes and skin. Use personal protection equipment.

Do not empty into drains.

Never use pressure to empty container. Keep/Store only in original container.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Further information on handling

Wash hands before breaks and after work.

Used working clothes should not be worn outside the work area.

Street clothing should be stored separately from work clothing.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against:

Frost

Heat

Humidity

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
61788-44-1	Phenol, styrenated			
Worker DNEL,	long-term	inhalation	systemic	74 mg/m³
Worker DNEL,	long-term	dermal	systemic	21 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	13,1 mg/m³
Consumer DN	EL, long-term	dermal	systemic	7,5 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	7,5 mg/kg bw/day
9046-10-0	Poly(oxypropylene)diamine			
Worker DNEL, long-term		inhalation	systemic	1,36 mg/m³
Worker DNEL,	long-term	dermal	systemic	2,5 mg/kg bw/day
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine				
Worker DNEL, long-term		inhalation	local	0,073 mg/m³
Worker DNEL, acute		inhalation	local	0,073 mg/m³
Consumer DNEL, long-term		oral	systemic	0,526 mg/kg bw/day



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PNEC values

CAS No	Substance			
Environmental	Environmental compartment Value			
61788-44-1	88-44-1 Phenol, styrenated			
Freshwater 0,03 mg/		0,03 mg/l		
Freshwater (in	termittent releases)	0,046 mg/l		
Marine water		0,003 mg/l		
Freshwater se	diment	1,86 mg/kg		
Marine sedime	nt	0,186 mg/kg		
Micro-organism	ns in sewage treatment plants (STP)	36,2 mg/l		
Soil		0,355 mg/kg		
9046-10-0	Poly(oxypropylene)diamine			
Freshwater		0,015 mg/l		
Freshwater (intermittent releases)		0,15 mg/l		
Marine water		0,014 mg/l		
Freshwater sediment		0,132 mg/kg		
Marine sediment		0,125 mg/kg		
Secondary poisoning		6,93 mg/kg		
Micro-organisms in sewage treatment plants (STP) 7,5 m		7,5 mg/l		
Soil		0,018 mg/kg		
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Freshwater		0,06 mg/l		
Freshwater (intermittent releases)		0,23 mg/l		
Marine water		0,006 mg/l		
Freshwater sediment		5,784 mg/kg		
Marine sediment 0,578 r		0,578 mg/kg		
Micro-organisms in sewage treatment plants (STP) 3,18 mg/l				
Soil		1,121 mg/kg		

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations. Use explosion-proof ventilating equipment.

Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.



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Eye/face protection

Suitable eye protection: Eye glasses with side protection goggles

Hand protection

Tested protective gloves must be worn: EN ISO 374 NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Wearing time with permanent contact: Thickness of the glove material: >= 0,4 mm, Breakthrough time

(maximum wearing time): >480 min

Wearing time with occasional contact (splashes):: Thickness of the glove material: >= 0,1 mm, Breakthrough

time (maximum wearing time) > 30 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Protective clothing For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Environmental exposure controls

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: transparent
Odour: characteristic

pH-Value: No data available

Changes in the physical state

Melting point:

Initial boiling point and boiling range:

Sublimation point:

No data available

Softening point:

No data available

Softening point:

No data available

Pour point:

No data available

No data available

No data available

Flash point:

> 95 °C

Flammability

Solid: No data available



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Gas: No data available

Explosive properties

No information available.

Lower explosion limits:

Upper explosion limits:

No data available

No data available

Ignition temperature:

No data available

Auto-ignition temperature

Solid: No data available
Gas: No data available
Decomposition temperature: No data available

Oxidizing properties

No information available.

Vapour pressure:

Vapour pressure:

No data available

No data available

Density:

1,0 g/cm³

Bulk density:

No data available

Water solubility:

No data available

Solubility in other solvents

No information available.

Partition coefficient:

Viscosity / dynamic:

No data available
350 mPa·s

(at 25 °C)

Viscosity / kinematic:

No data available

Flow time:

No data available

Vapour density:

Evaporation rate:

No data available

No data available

No data available

No information available.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

No decomposition by use according to guideline.

10.3. Possibility of hazardous reactions

No data available



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10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

ATEmix calculated

ATE (oral) 1824,9 mg/kg

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
61788-44-1	Phenol, styrenated						
	oral	LD50 mg/kg	> 2000	Rat	Study report (2014)	OECD Guideline 423	
	dermal	LD50 mg/kg	> 2000	Rat	Study report (2014)	OECD Guideline 402	
161278-35-9	polymer based on dipro	pylenetriam	ine				
	oral	ATE mg/kg	500				
	dermal	ATE mg/kg	1100				
	inhalation vapour	ATE	11 mg/l				
	inhalation aerosol	ATE	1,5 mg/l				
9046-10-0	Poly(oxypropylene)diamine						
	oral	LD50 mg/kg	2885,3	Rat	Study report (1993)	OECD Guideline 401	
	dermal	LD50 mg/kg	2979,7	Rabbit	Study report (1993)	OECD Guideline 402	
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine						
	oral	LD50 mg/kg	1030	Rat	Study report (1965)	OECD Guideline 401	
	dermal	LD50 mg/kg	> 2000	Rat	Study report (2010)	OECD Guideline 402	

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.



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Sensitising effects

May cause an allergic skin reaction. (Phenol, styrenated; 3-aminomethyl-3,5,5-trimethylcyclohexylamine) After sensitization, severe allergic reactions may occur in later exposure to very low levels

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Practical experience

Observations relevant to classification

Sensitisation to the respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 12: Ecological information

12.1. Toxicity



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CAS No	Chemical name									
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method			
61788-44-1	Phenol, styrenated	Phenol, styrenated								
	Acute fish toxicity	LC50 mg/l	1,77	96 h	Danio rerio	Study report (2010)	OECD Guideline 203			
	Acute algae toxicity	ErC50 mg/l	20,42	72 h	Chlorella vulgaris	REACh Registration Dossier	OECD Guideline 201			
	Acute crustacea toxicity	EC50	4,6 mg/l	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202			
	Fish toxicity	NOEC	1,9 mg/l	14 d	fish	REACh Registration Dossier	other: Refer below principle			
	Crustacea toxicity	NOEC	0,2 mg/l	21 d	Daphnia magna	REACh Registration Dossier	other: Refer below principle			
9046-10-0	Poly(oxypropylene)diamine									
	Acute fish toxicity	LC50 mg/l	772,14	96 h	Cyprinodon variegatus	Study report (2005)	OECD Guideline 203			
	Acute algae toxicity	ErC50	15 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2010)	EU Method C.3			
	Acute crustacea toxicity	EC50 mg/l	418,34	48 h	other aquatic crustacea: Acartia tonsa	Study report (2005)	other: ISO TC147/SC5/WG2			
	Acute bacteria toxicity	(750 mg	J/I)	3 h	activated sludge of a predominantly domestic sewag	Study report (2010)	OECD Guideline 209			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine									
	Acute fish toxicity	LC50	110 mg/l	96 h	Leuciscus idus	Study report (1993)	EU Method C.1			
	Acute algae toxicity	ErC50	37 mg/l	72 h	Desmodesmus subspicatus	Study report (1993)	EU Method C.3			
	Acute crustacea toxicity	EC50	23 mg/l	48 h	Daphnia magna	Study report (2002)	OECD Guideline 202			
	Crustacea toxicity	NOEC	3 mg/l	21 d	Daphnia magna	Study report (1993)	other: OECD 202, part 2			

12.2. Persistence and degradability



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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			•
61788-44-1	Phenol, styrenated			
	OECD 301F	7%	28	
	Not readily biodegradable (according to OECD criteria)			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A 8 % 28			
	Not readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
61788-44-1	Phenol, styrenated	2,415
9046-10-0	Poly(oxypropylene)diamine	1,34
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	0,99

BCF

CAS No	Chemical name	BCF	Species	Source
61788-44-1	Phenol, styrenated	168	Cyprinus carpio	http://www.safe.nite
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexy lamine	3,16	QSAR estimate	Other company data (

12.4. Mobility in soil

No information available.

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. Other adverse effects

No information available.

Further information

Very toxic to aquatic life with long lasting effects. Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)



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14.1. UN number: UN 2735

14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Polyetherdiamine;

Dipropylenetriamine Polymer)

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8Classification code:C7

Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 2735

14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Polyetherdiamine;

Dipropylenetriamine Polymer)

14.3. Transport hazard class(es): 8

14.4. Packing group:IIIHazard label:8Classification code:C7Special Provisions:274Limited quantity:5 L

Excepted quantity:

Marine transport (IMDG)

14.1. UN number: UN 2735

14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Polyetherdiamine;

E1

Dipropylenetriamine Polymer)

14.3. Transport hazard class(es): 8
14.4. Packing group: III

Hazard label: 8

Special Provisions:223, 274Limited quantity:5 LExcepted quantity:E1EmS:F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 2735

<u>14.2. UN proper shipping name:</u> AMINES, LIQUID, CORROSIVE, N.O.S. (Polyetherdiamine;

Dipropylenetriamine Polymer)

14.3. Transport hazard class(es): 8

14.4. Packing group:



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Hazard label: 8

Special Provisions:

Limited quantity Passenger:

Passenger LQ:

Excepted quantity:

A3 A803

1 L

Y841

Excepted quantity:

E1

IATA-packing instructions - Passenger:852IATA-max. quantity - Passenger:5 LIATA-packing instructions - Cargo:856IATA-max. quantity - Cargo:60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

Danger releasing substance: Polyetherdiamine Phenol, styrenated

14.6. Special precautions for user

No information available.

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

No information available.

SECTION 15: Regulatory information

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

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile

work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of

child-bearing age.

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Phenol, styrenated

3-aminomethyl-3,5,5-trimethylcyclohexylamine

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association



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IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effectice concentration, 50 percent

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

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

Classification	Classification procedure
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1A; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects

Further 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)