

## SAFETY DATA SHEET

## MultiTab 2-Phase

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

## 1.1. Product identifier

## Trade name

MultiTab 2-Phase

## Product no.

1707, 1708

## Unique formula identifier (UFI)

QCJ0-N0PA-0006-FRSD

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

## Relevant identified uses of the substance or mixture

Disinfectant for water

## Uses advised against

None known.

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

## Company and address

**Swim & Fun Scandinavia ApS**

Ledreborg Allé 128K

4000 Roskilde

Denmark

+45 7022 6856

## E-mail

info@swim-fun.com

## Revision

05/04/2023

## SDS Version

2.0

## Date of previous version

26/01/2023 (1.0)

## 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.

Eye Dam. 1; H318, Causes serious eye damage.

STOT SE 3; H335, May cause respiratory irritation.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

## 2.2. Label elements

## Hazard pictogram(s)



## Signal word

Danger

## Hazard statement(s)

Harmful if swallowed. (H302)

Causes serious eye damage. (H318)

May cause respiratory irritation. (H335)

Very toxic to aquatic life with long lasting effects. (H410)

#### Precautionary statements

##### General

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

Keep out of reach of children. (P102)

##### ▼ Prevention

Wash hands and exposed skin thoroughly after handling. (P264)

Wear eye protection/protective gloves/protective clothing. (P280)

##### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

##### Storage

Store locked up. (P405)

##### Disposal

Dispose of contents/container in accordance with local regulation. (P501)

#### Hazardous substances

symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol

troclosene sodium, dihydrate

Aluminium, Sulphate

#### ▼ Additional labelling

EUH031, Contact with acids liberates toxic gas.

EUH206, Warning! Do not use together with other products. May release dangerous gases (chlorine).

Active substance(s):

chlorine (0.001 g/100g)

UFI: QCJ0-N0PA-0006-FRSD

### 2.3. Other hazards

#### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol	CAS No.: 87-90-1 EC No.: 201-782-8 UK-REACH: Index No.: 613-031-00-5	60-80%	EUH031 Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
troclosene sodium, dihydrate	CAS No.: 51580-86-0 EC No.: 220-767-7 UK-REACH: Index No.: 613-030-01-7	10-15%	EUH031 Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 (SCL: 10.00 %) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
Aluminium, Sulphate	CAS No.: 10043-01-3 EC No.: 233-135-0 UK-REACH: Index No.:	5-10%	Met. Corr. 1, H290 Eye Dam. 1, H318	
chlorine	CAS No.: 7782-50-5 EC No.: 231-959-5 UK-REACH: Index No.: 017-001-00-7	<0.0015%	Ox. Gas 1, H270 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 3, H331	[1]

STOT SE 3, H335  
Aquatic Acute 1, H400 (M=100)

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

[1] European occupational exposure limit.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

##### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

##### Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

##### Burns

Not applicable.

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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Halogenated compounds

Sulphur oxides

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

Dry, cool and well ventilated

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Aluminium, Sulphate

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2

chlorine

Short term exposure limit (15 minutes) (ppm): 0,5

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1,5

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### ▼ DNEL

Aluminium, Sulphate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	3,8 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	3,3 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	13,4 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	3,4 mg/kg
Long term – Systemic effects - General population	Oral	1,9 mg/kg bw/day

troclosene sodium, dihydrate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1,15 mg/kg bw/ day
Long term – Systemic effects - Workers	Dermal	2,3 mg/kg bw/day

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Systemic effects - General population	Inhalation	1,99 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	8,11 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	1,15 mg/kg bw/ day

#### ▼ PNEC

Aluminium, Sulphate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0003 mg/L
Marine water		0,00003 mg/L
Sewage treatment plant		20 mg/L

troclosene sodium, dihydrate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	0 mg/L
Freshwater sediment	Single	7,56 mg/kg
Marine water	Single	1,52 mg/L
Sewage treatment plant	Single	0,59 mg/L
Soil	Single	0,756 mg/kg

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above).

Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure



Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment


### Generally

Use only UKCA marked protective equipment.

### Respiratory Equipment





Work situation	Type	Class	Colour	Standards	
In case of inadequate ventilation	S/SL	P2	White	EN149	
In case of chlorine vapor	B	Class 2 (medium capacity)	Gray	EN14387	

### Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn	-	-	

### Hand protection

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Vinyl/PVC	-	-	EN374-3, EN388	
Latex	0.4	-	EN374-2, EN388	
Nitrile	-	-	EN374-2	
<b>Eye protection</b>				
<b>Type</b>	<b>Standards</b>			
Safety glasses with side shields.	EN166			

## SECTION 9: Physical and chemical properties

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

#### Physical state

Tablets

#### Colour

Various colours

#### Odour / Odour threshold

Characteristic

#### pH

Testing not relevant or not possible due to the nature of the product.

#### Density (g/cm<sup>3</sup>)

Testing not relevant or not possible due to the nature of the product.

#### Kinematic viscosity

Does not apply to solids.

#### Particle characteristics

Testing not relevant or not possible due to the nature of the product.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to solids.

##### Boiling point (°C)

Does not apply to solids.

##### Vapour pressure

Testing not relevant or not possible due to the nature of the product.

##### Relative vapour density

Does not apply to solids.

##### Decomposition temperature (°C)

225

#### Data on fire and explosion hazards

##### Flash point (°C)

Does not apply to solids.

##### Flammability (°C)

Testing not relevant or not possible due to the nature of the product.

##### Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

##### Lower and upper explosion limit (% v/v)

Does not apply to solids.

#### Solubility

#### Solubility in water

Completely soluble

#### n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

#### Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

### 9.2. Other information

#### Other physical and chemical parameters

No data available.

#### ▼ Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Contact with acids liberates toxic gas.

Warning! Do not use in combination with other products. May release dangerous gases (chlorine).

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

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

#### ▼ Acute toxicity

Product/substance	symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	406-490 mg/kg ·

Product/substance	symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg ·

Product/substance	symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	0.54 mg/l (4h) ·

Product/substance	troclosene sodium, dihydrate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1400 mg/kg

Product/substance	troclosene sodium, dihydrate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	> 5000 mg/kgbw

Product/substance	Aluminium,Sulphate
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species: Mouse  
Route of exposure: Oral  
Test: LD50  
Result: 6207 mg/kg ·

Harmful if swallowed.

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory sensitisation

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

#### 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

May cause respiratory irritation.

#### 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.

### 11.2. Information on other hazards

#### Long term effects

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

#### ▼ Endocrine disrupting properties

Not applicable.

#### Other information

None known.

## SECTION 12: Ecological information

### 12.1. ▼ Toxicity

Product/substance symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol  
Species: Fish  
Duration: 21 days  
Test: EC50  
Result: 2,600 mg/l ·

Product/substance symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 0,3 mg/l ·

Product/substance symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol  
Species: Fish  
Duration: 48 hours  
Test: EC50  
Result: 0.17 mg/l ·

Product/substance symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol  
Species: Algae  
Duration: 72 hours  
Test: ErC50  
Result: >5,000 mg/l ·

Product/substance symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol  
Species: Algae



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration:	72 hours
Test:	
Result:	2,700 mg/l ·
Product/substance	symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	0,21 mg/l ·
Product/substance	troclosene sodium, dihydrate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0,16 mg/L
Product/substance	troclosene sodium, dihydrate
Species:	Algae
Duration:	72 hours
Test:	ErC50
Result:	>5000 mg/L
Product/substance	troclosene sodium, dihydrate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	0,17 mg/L
Product/substance	troclosene sodium, dihydrate
Species:	Daphnia
Duration:	21 days
Test:	EC50
Result:	2600 mg/L
Product/substance	Aluminium,Sulphate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	33.9 mg/L ·
Product/substance	Aluminium,Sulphate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	38.2 mg/L ·

## 12.2. Persistence and degradability

No data available.

## 12.3. ▼ Bioaccumulative potential

Product/substance symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetriol  
 Test method:  
 Potential bioaccumulation: No data available.  
 LogPow: 0,9400  
 BCF: No data available.  
 Other information:

## 12.4. Mobility in soil

troclosene sodium, dihydrate  
 LogKoc = 1.708, High mobility potential.

## 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

## 12.6. ▼ Endocrine disrupting properties

Not applicable.

## 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic

organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

HP 12 - Release of an acute toxic gas

HP 14 - Ecotoxic

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

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### EWC code

07 06 03\* Organic halogenated solvents, washing liquids and mother liquors




### Specific labelling

Not applicable.

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es) Labels: 9 Classification code: M7	14.4 PG*	14.5 Env**	Other information:
ADR	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (symclosene, troclosene sodium, dihydrate)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities: 5 kg Tunnel restriction code: 3 (-) See below for additional information.
IMDG	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (symclosene, troclosene sodium, dihydrate)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities: 5 kg EmS: F-A S-F See below for additional information.
IATA	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (symclosene, troclosene sodium, dihydrate)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	See below for additional information.

\* Packing group

\*\* Environmental hazards

### Additional information

These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR, IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA).

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with

transport.

This product is within scope of the regulations of transport of dangerous goods.

#### 14.6. Special precautions for user

Not applicable.

#### 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

##### ▼ Restrictions for application

No special.

##### Demands for specific education

No specific requirements.

##### SEVESO - Categories / dangerous substances

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes chlorine

##### Additional information

Tactile warning.

##### Sources

The Management of Health and Safety at Work Regulations 1999.

Control of Major Accident Hazards (COMAH) Regulations 2015.

In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### ▼ Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H331, Toxic if inhaled.

H335, May cause respiratory irritation.

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWG = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.  
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

▼ The safety data sheet is validated by  
chma

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en