SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Klor WeekTab Mini tab 20g
1729

Product no.
2402346

REACH registration number
Not applicable

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

Relevant identified uses of the substance or mixture
Product for industrial purposes

Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
Swim & Fun Scandinavia ApS
Ledreborg Allé 128K
4000 Roskilde
Danmark
Tlf.: +45 70226856

Contact person
-

E-mail
info@swim-fun.com

SDS date
2018-10-23

SDS Version
1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 “First aid measures”.

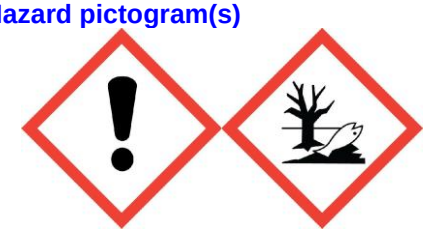
SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Tox. 4; H302
Eye Irrit. 2; H319
STOT SE 3; H335
Aquatic Acute 1; H400
Aquatic Chronic 1; H410
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Harmful if swallowed. (H302)
Causes serious eye irritation. (H319)
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	Do not eat, drink or smoke when using this product. (P270).
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).
Storage	Store locked up. (P405).
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion,
Active substance: symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion 100 %

2.3. Other hazards

This product contains teratogenic substances, which may cause long-term adverse effects to the unborn foetus.
This product contains substances that may cause adverse effects to the reproductive system.
The product contains one or several substance(s) included in ECHA's list of Substances of Very High Concern (SVHC)

Additional labelling

UFI: UX80-201D-Y00Q-N9P2. Warning! Do not use together with other products. May release dangerous gases (chlorine). (EUH206)
Contact with acids liberates toxic gas. (EUH031)

Additional warnings

Tactile warning.

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion
IDENTIFICATION NOS.:	CAS-no: 87-90-1 EC-no: 201-782-8 REACH-no: 01-2120767978-27 Index-no: 613-031-00-5
CONTENT:	95-100%
CLP CLASSIFICATION:	Ox., Acute Tox. 4, , Eye Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1 H272, H302, EUH031, H319, H335, H400, H410 (M-acute = 1) (M-chronic = 1)
NOTE:	SVHC

NAME:	boric acid
IDENTIFICATION NOS.:	CAS-no: 10043-35-3 EC-no: 233-139-2 REACH-no: 01-2119486683-25 Index-no: 005-007-00-2
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Repr. 1B H360FD
NOTE:	SVHC

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
SVHC = A substance that is included in the Candidate List of substances of very high concern (SVHCs).

Other information

ATEmix(oral) = 400 - 600
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 8 - 12
N chronic (CAT 1) Sum = Sum(Ci/(M(chronic)i*25)) = 3,2 - 4,8
N acute (CAT 1) Sum = Sum(Ci/M(acute)i*25) = 3,2 - 4,8

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. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). 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

Bring the person into fresh air and stay with him/her.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. 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 to the 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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Halogenated compounds. Nitrogen oxides. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. 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.

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

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

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. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on “Disposal considerations” in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

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

OEL

chlor
Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³
Short-term exposure limit (15-minute reference period): 0.5 ppm | 1.5 mg/m³

DNEL / PNEC

DNEL (boric acid): 392 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (boric acid): 8,3 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (boric acid): 0,98 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (boric acid): 196 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (boric acid): 4,15 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (boric acid): 0,98 mg/kg
Exposure: Oral
Duration of Exposure: Short term – Systemic effects - General population

PNEC (boric acid): 10 mg/L
Exposure: Sewage Treatment Plant

PNEC (boric acid): 5,4 mg/kg
Exposure: Soil

PNEC (boric acid): 13,7 mg/L
Exposure: Intermittent release

PNEC (boric acid): 2,02 mg/L
Exposure: Freshwater

PNEC (boric acid): 2,02 mg/L
Exposure: Marine water

8.2. Exposure controls

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

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

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 an 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 containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: S/SL. P1 . White

Skin protection

Dedicated work clothing should be worn.

Hand protection

Polyvinyl chloride (PVC)
Natural rubber (latex)

Eye protection

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Solid
Colour	White
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	2 - 2.7 (water: 10 g/l, 20 °C)
Viscosity (40°C)	No data available.
Density (g/cm³)	2,07
Phase changes	
Melting point (°C)	246,8
Boiling point (°C)	No data available.
Vapour pressure (20°C)	0,002 Pa
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section “Handling and storage”.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Nothing special

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 toxicological effects

Acute toxicity

Substance: boric acid
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 2660 mg/kg

Substance: symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 490 mg/kg

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

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

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders.
Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: boric acid
Species: Fish
Test: LC50
Duration: 96 h
Result: 79,7 mg/l

Substance: boric acid
Species: Crustacean
Test: EC50
Duration: 48 h
Result: 102 mg/l

Substance: boric acid
Species: Algae
Test: EC50
Duration: 20 d
Result: 14,3 mg/l

Substance: boric acid
Species: Fish
Test: LC50
Duration: 96 h
Result: 447 mg/L

Substance: symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion
Species: Fish
Test: EC50
Duration: 21 d
Result: 2,600 mg/l

Substance: symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion
Species: Fish
Test: LC50
Duration: 96 h
Result: 8,000 mg/l

Substance: symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion
Species: Fish
Test: EC50
Duration: 48 h
Result: 0.17 mg/l

Substance: symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion
Species: Algae
Test: ErC50
Duration: 72 h
Result: >5,000 mg/l

Substance: symclosene trichloroisocyanuric acid trichloro-1,3,5-triazinetrion
Species: Algae
Test: EbC50
Duration: 72 h
Result: 2,700 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result

No data available.

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF

No data available.

12.4. Mobility in soil

boric acid: Log Koc= -0,523444, Calculated from LogPow ().
symclosene trichloroisocyanur...: Log Koc= 0,822786, Calculated from LogPow (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. 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 due to poor biodegradability, 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.

Waste

EWC code

-

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

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

ADR/RID

14.1. UN number	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium, dihydrate)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
Notes	-
Tunnel restriction code	3

IMDG

UN-no.	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium, dihydrate)
Class	9
PG*	III
EmS	F-A, S-F
MP**	Yes
Hazardous constituent	-

IATA/ICAO

UN-no.	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium, dihydrate)
Class	9
PG*	III

14.5. Environmental hazards

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

14.6. Special precautions for user

-

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

No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

-

Demands for specific education

-

Additional information

Not applicable
Authorization number:

Seveso

Seveso III Part 1: E1
Seveso III Part 2: chlor

Sources

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.
The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
EC regulation 1907/2006 (REACH).
The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H272 - May intensify fire; oxidiser.
H302 - Harmful if swallowed.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
EUH031 - Contact with acids liberates toxic gas.
H360FD - May damage fertility. May damage the unborn child.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
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.
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.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked

with a blue triangle.

The safety data sheet is validated by

TV

Date of last essential change
(First cipher in SDS version)

2018-10-15(1.0)

Date of last minor change
(Last cipher in SDS version)

2018-10-15