GV Health
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SAFETY DATA SHEET

SoChlor® TAB (2.5g NaDCC)

MFB255, MFB637

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1. Product identifier

Trade name:	SoChlor TAB (2.5g NaDCC)
Product no.:	MFB255, MFB637
UFI:	KQ3R-YSRT-5APY-NY51
EC-no.:	220-767-7

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

Relevant identified uses of the substance or mixture: Disinfectant

Use descriptors (UK REACH):

Product category	Description
PC8	Biocidal Products (e.g. Disinfectants, pest control)

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

GV Health Ltd.
Hall House, 2 Arlington Court, Whittle Way,
Arlington Business Park, Stevenage,
Hertfordshire, United Kingdom
T: 01920 463 098

E-mail:	support@gvhealth.com
Revision:	07/11/2023
SDS Version:	4.1
Date of previous version:	16/01/2024 (4.0)

1.4. Emergency telephone number

UK: Contact The National Poisons Information Service (dial 111, 24 h service).
Ireland: Poisons Information: Contact The National Poisons Information Centre (01 8092166).
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

PCS No. 101203

Eye Irrit. (Cat 2; H319)	Causes serious eye irritation.
STOT SE (Cat 3; H335)	May cause respiratory irritation.
Aquatic Acute (Cat 1; H400)	Very toxic to aquatic life.
Aquatic Chronic (Cat 1; H410)	Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s): Causes serious eye irritation. (H319)

	May cause respiratory irritation. (H335) Very toxic to aquatic life with long lasting effects. (H410)
Safety statement(s):	
▼*General:*	If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)
▼*Prevention:*	Wash hands thoroughly after handling. (P264) Wear protective gloves/protective clothing/eye protection/face protection. (P280) Use only outdoors or in a well-ventilated area. (P271) Avoid release to the environment. (P273)
▼*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) If eye irritation persists: Get medical advice/attention. (P337+P313) Collect spillage. (P391)
▼*Storage:*	Store locked up. (P405) Store in a dry place. Store in a closed container. (P402+P404)
Disposal:	Dispose of contents/container in accordance with local regulation. (P501)
Hazardous substances:	Troclosene sodium
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): Troclosene sodium (53 g/100g)

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
Troclosene sodium	CAS No.: 2893-78-9 EC No.: 220-767-7 UK-REACH: EU 01-2119489371-33-XXXX Index No.: 613-030-01-7	40-60%	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)	
Adipic acid	CAS No.: 124-04-9 EC No.: 204-673-3 UK-REACH: Index No.: 607-144-00-9	15-25%	Eye Irrit. 2, H319	
Sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 UK-REACH: EU 01-2119485498-19-XXXX Index No.: 011-005-00-2	3-5%	Eye Irrit. 2, H319	

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

Other information

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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 immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion:

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from

the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

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 eye irritation persists: Get 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:
Carbon oxides (CO / CO2)
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.
Hazchem Code: 2Z

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Avoid inhalation of dust and contact with skin and eyes. Wash thoroughly after dealing with a spillage.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
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

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: Keep only in original packaging.

Storage temperature: Ambient temperature and humidity, in original packaging securely closed

Incompatible materials: Will not polymerise. The following materials may react with the product: Acids. Alkalis. Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Contact with acids liberates toxic gas. Under normal conditions of storage and use, no hazardous reactions will occur.

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

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

Adipic acid

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	7.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	21 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	13 mg/m³
Long term – Systemic effects - Workers	Inhalation	74.1 mg/m³
Long term – Systemic effects - General population	Oral	7.5 mg/kg bw/day

Sodium carbonate

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Inhalation	5 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³

Troclosene sodium

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
Long term – Systemic effects - General population	Inhalation	1.99 mg/m³

Long term – Systemic effects - Workers	Inhalation	8.11 mg/m³
Long term – Systemic effects - General population	Oral	1.15 mg/kg bw/day

PNEC

Adipic acid

Route of exposure	**Duration of Exposure**	**PNEC**
Freshwater	Continuous	126 µg/L
Freshwater sediment	Continuous	474 µg/kg
Intermittent release (freshwater)	Continuous	460 µg/L
Marine water	Continuous	12.6 µg/L
Marine water sediment	Continuous	47.4 µg/kg
Soil	Continuous	20.8 µg/kg

Troclosene sodium

Route of exposure	**Duration of Exposure**	**PNEC**
Freshwater	Continuous	170 ng/L
Freshwater sediment	Continuous	7.56 mg/kg
Intermittent release (freshwater)	Continuous	1.7 µg/L
Marine water	Continuous	1.52 mg/L
Sewage treatment plant	Continuous	590 µg/L
Soil	Continuous	756 µg/kg

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

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: Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures: Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

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. Keep container tightly sealed when not in use.

8.3. Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.

Respiratory Equipment:

Type	**Class**	**Colour**	**Standards**	
No specific requirements				

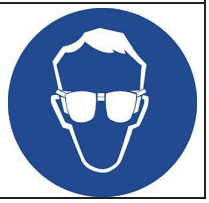
Skin protection:

Recommended	Type/Category	Standards	
Standard fabric garments (e.g. cotton overcoat or apron). However, in a professional setting, an in-use risk assessment should determine what is suitable.	As determined in an in-use risk assessment for professional use.	As determined in an in-use risk assessment for professional use.	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.	As specified for glove type specified through individual use risk assessment	As specified for glove type specified through individual use risk assessment	As specified for glove type specified through individual use risk assessment	

Eye protection:

Type	Standards	
Chemical splash goggles or face shield, if an in-use risk assessment specifies it is necessary	As determined by specific, an in-use risk assessment. Under normal domestic and professional use, standard safety spectacles are adequate.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Tablets
Colour:	White
Odour / Odour threshold:	Chlorine
pH:	Testing not relevant or not possible due to the nature of the product.
pH in solution:	5.0 - 6.5 @1% (%)
Density (g/cm³):	1.4
Relative density:	Not applicable
Kinematic viscosity:	Not applicable
Particle characteristics:	Not applicable

Phase changes

Melting point/Freezing point (°C):	Not applicable
Softening point/range (waxes and pastes) (°C):	Does not apply to solids.
Boiling point (°C):	Not applicable
Vapour pressure:	Not applicable
Relative vapour density:	Does not apply to solids.

Decomposition temperature (°C):	Not applicable

Data on fire and explosion hazards

Flash point (°C):	Not applicable
Ignition (°C):	Not applicable
Auto flammability (°C):	Not applicable
Lower and upper explosion limit (% v/v):	Not applicable

Solubility

Solubility in water:	Completely soluble
n-octanol/water coefficient:	Not applicable
Solubility in fat (g/L):	Not applicable

9.2. Other information

Evaporation rate (n-butylacetate = 100):	Not applicable
Other physical and chemical parameters:	No data available.

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.
The following materials may react with the product: Alkalis. Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid
Avoid the following conditions: Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials
Flammable/combustible materials. Moisture. Avoid contact with acids and alkalis. Avoid contact with strong oxidising agents. Avoid contact with strong reducing agents. Hydrocarbons. Inorganic nitrates. Inorganic nitrites. Organic compounds.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.
Heating may generate the following products: Carbon monoxide (CO). Oxides of nitrogen. Hydrogen chloride (HCl). Isocyanates. Chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

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

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

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

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.

Endocrine disrupting properties

None known.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Troclosene sodium
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	0,38 mg/L
Other information	

Product/substance	Troclosene sodium
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	< 1mg NaDCC mg/L
Other information	

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

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
None known.

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

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
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
General Information	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
16 09 04*	Oxidising substances, not otherwise specified

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)	14.4 PG*	14.5 Env**	Other information
ADR	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities: 5 kg Tunnel restriction code: (-) See below for additional

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
						information.
IMDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities: 5 kg EmS: F-A S-F See below for additional information.
IATA	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	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).

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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.

Hazchem Code: 2Z

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:*	None known.
Demands for specific education:	No specific requirements.
SEVESO - Categories / dangerous substances:	E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes
Biocidal Products Regulations:	Product type: PT2 - Disinfectants and algaecides not intended for direct application to humans or animals, PT4 - Food and feed area
Restrictions on use:	-
Directions for use and dose rate:	-
Additional information:	-
Additional information:	Not applicable.
Sources:	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

EUH031, Contact with acids liberates toxic gas.
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.

The full text of identified uses as mentioned in section 1

PC8 = Biocidal Products (e.g. Disinfectants, pest control)

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
EWC = 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

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability of such information for his/her own particular use.

Country-language: GB-en

End of Safety Data Sheet