

1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product Identifier
Product Name BioChlor 200 & 500
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Disinfectant
- 1.3 Supplier Biolink Limited.
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Pocklington
York
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- 1.4 Emergency Phone 44-(0)- 1280 738605 (office hours only)

2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and Chemical Hazards Not classified.
Human health EUH031;Acute Tox. 4 - H302;Eye Irrit. 2 - H319;STOT SE 3 - H335
Environment Aquatic Acute 1 - H400;Aquatic Chronic 1 - H410

Classification (1999/45/EEC) Xn;R22. Xi;R36/37. N;R50/53. R31.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2 Label elements

Label in accordance with EC 1272/2008



Contains Troclosene Sodium

Signal Word Warning

Hazard Statements
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

H335 May cause respiratory irritation.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P271 Use only outdoors or in a well-ventilated area.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P313 Get medical advice/attention.
 P501 Dispose of contents/container to ...

Supplementary Precautionary Statements

P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P261 Avoid breathing vapour/spray.
 P264 Wash contaminated skin thoroughly after handling.
 P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 Rinse mouth.
 P337 If eye irritation persists:
 P391 Collect spillage.
 P403+233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.

Supplemental label information

EUH031 Contact with acids liberates toxic gas.
 EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3 Other hazards

3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ADIPIIC ACID	10-30%
CAS-No.: 124-04-9	EC No.: 204-673-3
Classification (67/548/EEC) Xi;R36	Classification (EC 1272/2008) Eye Irrit. 2 - H319

SODIUM CARBONATE	1-5%
CAS-No.: 497-19-8	EC No.: 207-838-8
Classification (67/548/EEC) Xi;R36	Classification (EC 1272/2008) Eye Irrit. 2 - H319

TROCLOSENE SODIUM		30-60%
CAS-No.: 2893-78-9	EC No.: 220-767-7	
Classification (67/548/EEC)	Classification (EC 1272/2008)	
E;R2	Ox. Sol. 2 - H272	
O;R8	EUH031	
Xn;R22	Acute Tox. 4 - H302	
Xi;R36/37	Eye Irrit. 2 - H319	
R31	STOT SE 3 - H335	
N;R50/53	Aquatic Acute 1 - H400	
	Aquatic Chronic 1 - H410	

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Composition Comments

Note T for troclosen sodium as per Commission Directive 20008/58/EC applies

4 - FIRST AID MEASURES

4.1 Description of first aid measures

INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Skin irritation is not anticipated when used normally. In the event of irritation: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

5 - FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Fire can be extinguished using: Water spray, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases. Decomposes above 250°C with release of chlorine and other toxic fumes.

SPECIFIC HAZARDS

In case of fire, toxic gases may be formed (CO_x, NO_x). Fire or high temperatures create: Very corrosive gases/vapours/fumes of: Chlorine. Hydrogen chloride (HCl).

5.3. Advice for fire-fighters

SPECIAL FIRE FIGHTING PROCEDURES

NOTE! Use air-supplied respirators to protect against gases/fumes. Dike and collect extinguishing water.

PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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. Follow precautions for safe handling described in this safety data sheet. Use protective gloves, goggles and suitable protective clothing. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Not relevant considering the small amounts used. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3. Methods and material for containment and cleaning up

Collect in containers and seal securely. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Avoid generation and spreading of dust. Flush with plenty of water to clean spillage area. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not close drums containing wet or damp material.

6.4. Reference to other sections**7 - HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide good ventilation. Container must be kept tightly closed. Protect against direct sunlight. Follow instructions and ensure correct dilution of this product before use.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3. Specific end use(s)**8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1. Control parameters**

Ingredient Comments

WEL = Workplace Exposure Limits No exposure limits noted for ingredient(s).

8.2 Exposure controls

Protective equipment



ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

ENVIRONMENTAL EXPOSURE CONTROLS

Do not allow undiluted product to enter drains.

9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	White flat tablet
Odour	Characteristic.
Solubility	Soluble in water.
pH-Value,	Diluted Solution 4-6 approx 1
Decomposition temperature (°C)	240

9.2. Other information

10 - STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Avoid contact with acids and oxidising substances. Avoid exposure to high temperatures or direct sunlight. Avoid contact with strong reducing agents.

10.5 Incompatible materials

Materials To Avoid

Flammable/combustible material. Organic materials, oils, grease, sawdust, reducing agents, nitrogen-containing compounds, oxidizing substances, acids and alkalis, damp or slightly wet conditions (NaDCC may generate nitrogen trichloride which is explosive).

10.6 Hazardous decomposition products

Fire creates: Hydrogen chloride (HCl). Hydrogen cyanide (HCN). In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 - TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

ACUTE TOXICITY

LD50 Oral – mouse – 992 mg/kg (Trosclosene Sodium)

POTENTIAL HEALTH EFFECTS

Inhalation	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Ingestion	Harmful if swallowed.
Skin	Skin irritation is not anticipated when used normally.
Eyes	Irritating to eyes.
Route of entry	Inhalation. Ingestion. Skin and/or eye contact.

12 - ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish

Toxicity to daphnia and other aquatic invertebrates.
EC50 – Daphnia <1mg/l – 48h (Trosclosene Sodium)

12.2 Persistence and degradability

DEGRADABILITY

The product is expected to be biodegradable.

12.3 Bioaccumulative potential**12.4 Mobility in soil****12.5 Results of PBT and vPvB assessment****12.6 Other adverse effects****13 - DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

14 - TRANSPORT INFORMATION

Road Transport Notes Product transported in limited quantities

14.1 UN-number

ADR/RID: 3077

IMDG: 3077

IATA: 3077

R36	Irritating to eyes.
R2	Risk of explosion by shock, friction, fire or other sources of ignition.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H319	Causes serious eye irritation.
EUH031	Contact with acids liberates toxic gas.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H272	May intensify fire; oxidiser.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.
H319	Causes serious eye irritation.
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FURTHER INFORMATION

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