

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

1.1 Product Identifier

Product Name: EFFERVESCENT CHLORINE TABLETS 3.25gram
Product Code/s: 0610-06x2
Product Use: Disinfectant

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

Identified uses: Disinfectant
Uses advised against: Uses other than those identified are not recommended.

1.3 Details of the supplier of the safety data sheet

Supplier Fluid Technology Generation LTD
 Drum House, Drum Ind Est, Chester-le-Street, Co. Durham, DH2 1SR
 Tel: 0191 411 1777 Web: www.fluidtechnology.co.uk Email: sales@fluidtechnology.co.uk

1.4 Emergency telephone number

Emergency advice Technical Information & Safety Data Sheets - 01684 273299, Monday - Friday 8.30am - 5.00pm
 Available 24/7 from our website www.advchem.co.uk

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled in accordance with **Regulation (EC) No 1272/2008 [EU-GHS/CLP]**.

Classification

Physical Hazards: Not classified
Health Hazards: Eye Irrit. 2 - H319; STOT SE - H335
Environmental Hazards: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

2.2 Label elements

Pictogram:



Signal Word: Warning

Hazard Statements

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.
 P273 Avoid release to the environment.
 P280 Wear eye protection.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P391 Collect spillage.
 P402 + P404 Store in a dry place. Store in a closed container.
 P501 Dispose of contents/container in accordance with local regulations.

Supplemental Statements

EUH031 Contact with acids liberates toxic gas.
 RCH002b For professional users only.

Contains:
TROCLOSENE SODIUM

2.3 Other Hazards

This product does not contain any substances classified as PBT or vPvB

SECTION 3. Composition/information on ingredients

3.2 Mixtures

Ingredient	EC number	CAS number	Classification (EC) 1272/2008	Weight %
TROCLOSENE SODIUM	220-767-7	2893-78-9	Ox Sol. 2 - H272; Acute Tox. 4 - H302; Eye Irrit. 2 - H319; STOT SE 3 - H335; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410	30-60%
ADIPIIC ACID	204-673-3	124-04-9	Eye Irrit. 2 - H319	10-30%
SODIUM CARBONATE	207-838-8	497-19-8	Eye Irrit. 2 - H319	1-5%

The full text for all Hazard and Precautionary Statements are displayed in Section 16.

Composition comments Note T for Troclosen Sodium as per Commission Directive 2008/58/EC applies

SECTION 4. First aid measures

4.1 Description of first aid measures

Inhalation

Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel must assist affected person by administering oxygen.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Remove affected person from source of contamination. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

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

Remove any contact lenses and open eye lids wide apart. Rinse immediately with plenty of water for 15 minutes. Get medical attention if symptoms occur after washing.

4.2 Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependant on the concentration and the length of exposure.

Inhalation

Irritation of nose and throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

Ingestion

There may be soreness and redness of the mouth and throat.

Skin contact

There may be mild irritation at the site of contact.

Eye contact

There may be irritation and redness.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment:

Eye bathing equipment should be available on the premises.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Product is not flammable. Extinguish with the following media: Water Spray, Dry Powder or Carbon Dioxide.

5.2 Special hazards arising from the substance or mixture

Protection against nuisance dust must be used when the airborne concentration exceeds 10mg/m³. Oxides of carbon. Oxides of nitrogen. Fire or high temperatures create: Thermal decomposition or combustion products may include the following substances: Very corrosive gases or vapours. Chlorine. Hydrogen chloride (HCl).

5.3 Advice for firefighters

Wear positive pressure self contained breathing apparatus (SCBA) and appropriate protective clothing.

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. Follow precautions for safe handling described in 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.

6.2 Environmental precautions

Not considered to be a significant hazard due to the small quantities used. Collect and dispose of spillage as indicated in Section 13. Do not allow undiluted product to enter drains or sewers.

6.3 Methods and material for containment and cleaning up

Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Avoid generation and spreading of dust. Flush contaminated area with plenty of water. 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

For personal protection see section 8.
For disposal considerations see section 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Usage procedures

Avoid spilling. Avoid contact with skin and eyes. 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. Good personal hygiene procedures should be implemented. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide adequate ventilation. Container/s must be kept tightly closed when not in use. Protect against direct sunlight. Follow instructions and ensure correct dilution of this product before use.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

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

7.3 Specific end use(s)

Specific end uses

The identified uses for this product are detailed in Section 1.2.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

SODIUM CARBONATE

Short term exposure limit (10 minutes): Workplace Exposure Limit (WEL) - 10 mg/m³.

8.2 Exposure Controls

Protective Equipment



Appropriate engineering controls

Ensure there is sufficient ventilation of the area. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

The following protection should be worn if a risk assessment indicates eye contact is possible: Chemical splash goggles or face shield. Ensure eye bath is to hand.

Hand protection

Wear chemical resistant impermeable gloves if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear suitable protective clothing to prevent any possibility of liquid contact or repeated or prolonged vapour contact.

Respiratory protection

If working in a confined space and dusts are created, then a respiratory device with a particle filter is recommended.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

State	Colour	Odour	pH (diluted solution)
Flat tablet.	White.	Characteristic.	4 - 6 approx 1

9.2 Other Information

None.

SECTION 10. Stability and reactivity

10.1 Reactivity

Reactions with the following materials may generate heat: Strong acids.

10.2 Chemical stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 and 10.5

10.4 Conditions to avoid

Avoid contact with the following materials: Acids, Oxidising Agents. Avoid exposure to high temperatures or direct sunlight. Avoid contact with strong reducing agents.

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

Heating may generate the following products: Carbon Monoxide (CO). Oxides of Nitrogen. Hydrogen Chloride (HCl). Isocyanates.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Toxicological effects

Toxicological information of the active ingredient Troclocsene Sodium

Acute toxicity - Oral

ATE oral (mg/kg)

2.709.43396226

Inhalation

Harmful; Danger of serious damage to health by prolonged exposure through inhalation.

Ingestion

Harmful if swallowed.

Skin contact

Skin irritation should not occur when used as recommended.

Eye contact

Irritating to eyes.

Route of entry

Inhalation, Ingestion, Skin and or eye contact.

SECTION 12. Ecological information

12.1 Toxicity

Acute toxicity - Aquatic invertebrates

EC50, 48 Hours: < 1mg NaDCC mg/l, Daphnia magna.

12.2 Persistence and 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

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Do not mix with other chemicals. Transfer to a suitable container and arrange for collection by a specialised licensed waste disposal company in accordance with the requirements of the local Waste Disposal Authority.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14. Transport information

Road transport notes Product transported in Limited Quantities

14.1 UN number

14.1 UN number

UN No. (ADR/RID)

3077

UN No. (IMDG)

3077

UN No. (ICAO)

3077

14.2 UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALL HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TROCLOSENE SODIUM)

Proper shipping name (IMDG) ENVIRONMENTALL HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TROCLOSENE SODIUM)

Proper shipping name (ICAO) ENVIRONMENTALL HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TROCLOSENE SODIUM)

Proper shipping name (ADN) ENVIRONMENTALL HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TROCLOSENE SODIUM)

14.3 Transport hazard class(es)

ADR/RID Class

Class 9

IMDG Class

Class 9

ICAO Class/Division

Class 9

14.4 Packing Group

ADR/RID Packing group

III

IMDG Packing group

III

ICAO Packing group

III

14.5 Environmental Hazards

Environmentally hazardous substance: Yes

Marine pollutant: No

14.6 Special precautions for user

EmS

F-A, S-F

Emergency Action Code

2Z

Hazard Identification Number (ADR/RID)

90

Tunnel restriction code

(E)

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant for a packaged product.

SECTION 15. Regulatory information

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

EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures.

Guidance

Workplace Exposure Limits EH40

15.2 Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16. Other information

Key literature references and sources for data

Miscellaneous Material Safety Data Sheets from manufacturers.
GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures.
ECHA - C&L Inventory database.

Revision Comments

Revision Date 04/11/2014 (Compilation date)

Revision Issue 1 - No previous validation

SDS Status The Hazard statements listed below in this section 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the finished product itself. For the Hazard Statements relating to this product see section 3.

Hazard Statements in full 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.

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
AISE = The International Association for Soaps, Detergents and Maintenance Products
Bw = Body weight
cc = Closed cup
CLP = Classification, Labelling and Packaging Regulation
DNEL = Derived no effect limit
DPD = Dangerous preparations directive
DRM = Dermal
dw = Dry weight
EC50 = Median effective concentration
EUH statement = CLP - specific hazard statement
GPG = Guinea Pig
HAM = Hamster
HMN = Human
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IVN = Intravenous
LC50 = Median lethal concentration
LD50 = Median lethal dose
LogPow = logarithm of the octanol/water partition coefficient
MAM = Mammal
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified in 1978. (Marpol - marine pollution)
MUS = Mouse
oc = Open cup
OCC = Ocular/corneal
PCP = Physico-chemical properties
PBT = Persistent, Bioaccumulative and Toxic
PGN = Pigeon
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCU = Subcutaneous
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, express or implied, is made as to the completeness or continuing accuracy of this information. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.