



Material Safety Data Sheet
According to Directive 67/548/EEC or 1999/45/EC
Effervescent Haz-Tab 1.8g tablets
Revision Date: March 2012

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION OF THE COMPANY/UNDERTAKING

PRODUCT NAME Effervescent HAZ-TAB 1.8g Tablets
APPLICATION Environmental Disinfectant (when appropriately dissolved in water)
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2 HAZARDS IDENTIFICATION

Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long term adverse affects in the aquatic environment.
CLASSIFICATION Xn; R22. Xi; R36/37. N; R50/53. R31.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ADIPIC ACID	204-673-3	124-04-9	10-30%	Xi;R36
SODIUM CARBONATE	207-838-8	497-19-8	1-5%	Xi;R36
TROCLOSENE SODIUM	220-767-7	2893-78-9	30-60%	O; R8 Xn; R22 Xi; R36/37 R31 N; R50/53

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS Note T for Troclocene sodium as per Commission Directive 2008/58/EC applies

NaDCC is used as a synonym for Troclocene Sodium throughout is document

4 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 any 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.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Fires can be extinguished using water spray, dry power or carbon dioxide. Do not use dry fire extinguishers containing ammonium compounds.

SPECIAL FIRE FIGHTING PROCEDURES

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

UNUSUAL FIRE & EXPLOSION HAZARDS

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

SPECIFIC HAZARDS

By fire or high temperatures toxic gases or very toxic fumes of chlorine, chlorine & nitrogen oxides and hydrogen chloride may be formed.

PROTECTIVE MEASURES IN FIRE.

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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.

ENVIROMENTAL PRECUATIONS

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.

SPILL CLEAN UP METHODS

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 suitable labelled container. Avoid generation and spreading dust. Flush with plenty of water to clean spillage area. Containers with collected spillage must be properly labelled with the correct contents and hazard symbol. Do not close drums containing wet or damp material.

7 HANDLING AND STORAGE

USEAGE PRECATIONS

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 industrial 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.

STORAGE PRECAUTION

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

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

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 recommendations made, but respiratory protection may still be required under exceptional circumstances where 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 or repeated or prolonged vapour contact.

HYGIENE MEASURES

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

APPEARANCE	White, flat, bevelled tablet
ODOUR	Characteristic smell of bleach.
SOLUBILITY	Soluble in water.
pH VALUE, DILUTED SOLUTION	4-6 APPROX
DECOMPOSITION TEMPERATURE	240 °C

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

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

MATERIALS TO AVOID

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

HAZARDOUS DECOMPOSITION PRODUCTS

By fire or high temperatures toxic gases or very toxic fumes of chlorine, chlorine & nitrogen oxides and hydrogen chloride may be formed.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 – LD 50 992mg/kg(oral-mouse)

Toxicological information for the active ingredient Trosclosene Sodium

INHALATION

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

INGESTION
Harmful if swallowed.

SKIN CONTACT
Skin irritation is not anticipated when used normally.

EYE CONTACT
Irritating to eyes.

ROUTE OF ENTRY
Inhalation. Ingestion. Skin and/or eye contact.

12 ECOLOGICAL INFORMATION

EC 50, 48 Hrs, DAPHNIA, mg/l < 1 mg NaDCC

DEGRADABILITY
The product is expected to be biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS
Dispose of waste or residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS 9

PROPER SHIPPING NAME ENVIROMENTAL HAZARDOUS SUBSTANCE, SOLID, N.O.S.
TROCLOSENE SODIUM)

ROAD TRANSPORT NOTES Product transported in Limited Quantities. Product may be transported by road in a multimodal journey without any marking or labelling (UN3077) under the terms of section 1.5.1 of ADR (multilateral Special Agreement M185) from and/ or to the signatories countries of this agreement.

AIR TRANSPORT NOTES Not Classified

UN No. ROAD 3077

UK ROAD PACK GR. III

ADR CLASS No. 9

ADR CLASS: Class 9: Miscellaneous dangerous substances and articles.

ADR PACK GROUP III

TUNNEL RESTRICTION CODE (E)

HAZARD No. (ADR) 90

ADR LABEL No. 9

HAZCHEM CODE 2Z

CEFIC TEC(R) No. 90GM7-III

RID CLASS No. 9

RID PACK GROUP III

UN No. SEA 3077

IMDG CLASS 9

IMDG PACK GR III

EMS F-A, S-F

15 REGULATORY INFORMATION

LABELLING



HARMFUL



DANGEROUS
FOR THE
ENVIRONMENT

CONTAINS: TROCLOSENE SODIUM

RISK PHRASES

- R22 Harmful if swallowed.
- R31 Contact with acid liberates toxic gas.
- R36/37 Irritating to eyes and respiratory system.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

SAFETY PHRASES

- P6 Warning do not use together with other products. May release dangerous gases (chlorine).
- S2 Keep out of reach of children.
- S8 Keep container dry.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S41 In case of fire and/ or explosion do not breathe fumes.
- S51 Only use in well ventilated areas.
- S60 This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

Regulations (EC) No. 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluations, Authorisation and Restriction of chemicals (REACH), establishing a European Chemical Agency. Amending Directive 1999/45/EC and repealing Council Regulations (EEC) No.793/93 and Commission Regulation (EC) No.1488/94 as well as council directive 76/769/EEC and commission directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparation Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemical (Hazard Information and Packaging) Regulations 2002. No. 1689.

16 OTHER INFORMATION

GENERAL INFORMATION

Troclosene sodium synonyms: NaDCC, sodium dichloroisocyanurate, 1 sodium-3, 5-dichloro-1, 3, 5-triazine-2,4,6-trione

REVISION DATE March 2012
REV. NO./REPL.SDS GENERATED 6
SDS NO. 10243

RISK PHASES IN FULL

- R2 Risk of explosion by shock, friction, fire or other source of ignition.
- R22 Harmful if swallowed.
- R31 Contact with acid liberates toxic gas.
- R36 Irritating to eyes.
- R36/37 Irritating to eyes and respiratory system.
- R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
- R8 Contact with combustible material may cause fire.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material 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 as to the suitability of such information for his own particular use.