



Guest Medical

Aylesford Kent England

Tel. 01622 791895

Material Safety Data Sheet According to Regulation (EC) No: 1907/2006 **6g Chlor-Clean Detergent Sanitiser Tablets** Revision Date: March 2012

1. IDENTIFICATION OF THE SUBSTANCES/PREPARATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME: CHLOR-CLEAN

APPLICATION: Environmental Disinfectant (when appropriately dissolved in water)

SUPPLIER: Guest Medical Limited
Unit A6, Larkfield Trading Estate
Aylesford
Kent
ME20 6SW
United Kingdom
Tel: +44(0)1622 791895 Fax: +44(0)1622 716309

2. HAZARDS IDENTIFICATION

Harmful if swallowed. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Contact with acids liberates toxic gas.

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	<12%	Xi;R36
AMORPHOUS SILICA	231-545-4	7631-86-9	< 1%	-
SODIUM TOLUENE SULPHONATE		12068-03-0	5-10%	Xi.R36/37/38.
TROCLOSENE SODIUM	220-767-7	2893-78-9	Min. 30%	E;R2 0;R8 Xn;R22 XiR36/37 R31 N;R50/53

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

COMPOSITION COMMENTS

Note T for Troclosen sodium as per Commission Directive 2008/58/EC applies
NaDCC is used as a synonym for Troclosen sodium throughout this document.

LABELING



HARMFUL



DANGEROUS FOR THE
ENVIRONMENT

RISK PHRASES

- R22 Harmful if swallowed.
- R31 Contact with acids liberates toxic gas.
- 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.

SAFETY PHRASES

- 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 Use only in well-ventilated areas.
- S60 This material and its container must be disposed of as hazardous waste.
- 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.

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. Fire can be extinguished using: Water spray, dry powder 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. Dyke and collect extinguishing water.

UNUSUAL FIRE & EXPOSURE HAZARDS

Fire causes formation of toxic gases. 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 contaminated breathing apparatus and full protective clothing must be worn in cases 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.

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.

SPILL CLEAN UP METHODS

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

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

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. Containers must be kept tightly closed. Protect against direct sunlight. Follow instructions and ensure correct dilution of this product before use.

STORAGE PRECAUTIONS

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA – 8 hrs	STEL – 15 min	Notes
AMORPHOUS SILICA	WEL		2.4 mg/m ³ resp.dust	

WEL = Workplace Exposure Limit.

INGREDIENTS COMMENT

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

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 at the end of each working shift and before eating, smoking and 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 tablets
ODOUR	Characteristic Chlorine
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 AVIOD

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

MATERIALS TO AVIOD

Flammable/combustible material. Organic material, oil, 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).

HAZARD DECOMPOSITION PRODUCTS

Fire may create very toxic fumes of chlorine, chlorine & nitrogen oxides and hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

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

TOXIC INFORMATION

Toxicological information for the active ingredient NaDCC

INHALTION

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

This product is expected to be biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and 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 III

EMS F-A, S-F

15. REGULATORY INFORMATION

EU DIRECTIVES

Regulations (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation Authorisation and Restriction of chemicals (REACH), establishing a European Chemical Agency, amending Directive 1999/45/EC and REPEALING Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/115/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemical (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

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

NATIONAL REGULATIONS

DETERGENT REGULATIONS: 6g CHLOR-CLEAN Tablet contains amongst other ingredients: Anionic surfactant, less than 5% phosphate: 5% or over but less than 10%. Chlorine based bleaching agents; ingredients datasheet as stipulated in Annex VII C Regulation(EC) No 648/2004 on detergent is available from the contact given in section 1 to any medical personnel upon request.

16. OTHER INFORMATION

Troclozene 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. 10282

RISK PHRASES IN FULL

R31 Contact with acids liberates toxic gas.

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R36/37 Irritating to eyes and respiratory system.

R36/37/38 Irritating to eyes, respiratory system and skin.

R36 Irritating to eyes.

R38 Irritating to skin.

NC Not Classified

R2 Risk of explosion by shock, friction, fire or other sources of ignition.

R41 Risk of serious damage to eyes.

R23 Toxic by inhalation.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HAZARD STATEMENTS IN FULL

H316 Cause serious eye damage

H319 Cause serious eye irritation.

H315 Cause skin irritation

EUH031 Contact with acid liberates toxic gas.

H330 Fatal if inhaled

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.

DISCLAIMER

This information relates only to the specific materials 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 as to the suitability of such information for his own particular use.