

Material Safety Data Sheet

Haz Tab Granules

Revision Date: December 2005

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Identification Haz-Tab Granules
Product Code: H8800
Intended use: Disinfection and absorption of blood and blood stained body fluids.

Name & address of Company:

Guest Medical Limited

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	Conc range	Hazards symbol *	Hazards phrases *
Troclosene sodium, anhydrous	2893-78-9	25-50%w/w	O, Xn, N	R8. 22. 31. 36/37. 50.53

**See section 15 and 16 for full test*

3. HAZARDS IDENTIFICATION

Contact with combustible material may cause fire. Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system.

On contact with moisture, NaDCC readily decomposes to chlorine, hypochlorous acid and cyanuric acid. Chlorine and hypochlorous acid are known to be toxic to wildlife, especially to fish. Mixing with Sodium or Calcium hypochlorite will cause explosive generation of nitrogen trichloride.

4. FIRST AID MEASURES

Eye contact: Rinse immediately with plenty of water while keeping eyelids wide open. Seek medical advice.

Skin contact: Wash thoroughly with water for at least 15 minutes. Remove contaminated clothing immediately and wash before use.

Ingestion: Rinse mouth and immediately drink large amount of water. Do not induce vomiting. Seek medical advice immediately.

Inhalation: Move person to fresh air. Rest and seek medical advice.

5. FIRE-FIGHTING MEASURES

Although NaDCC is not flammable, a thermal decomposition will occur at temperatures of about 240°C forming hazardous gases. Decomposition can be extinguished by flooding with copious amounts of water or by isolating the decomposing material in open air and allow it to be consumed. In case of fire, ONLY use copious amounts of water.

Use self-contained breathing apparatus and goggles. Do not approach from leeward. NaDCC may generate nitrogen trichloride when it is left under damp condition.

6. ACCIDENTAL RELEASE MEASURES

Refer to section 8 for personal protection when handling spillage of the product. Any spillage should be cleaned up as soon as possible to prevent contamination with foreign materials with which it may react. Clean up spillage with a dry, plastic scoop. Any spillage should not be returned into the original container but in a dry, clean, plastic or glass container. Wash remainder away with much water. Spillage to be removed as chemical waste in accordance with local and national law (see section 13). Do not release unneutralized NaDCC to sewers, water-sheds and water systems.

7. HANDLING AND STORAGE

Handling: Keep container tightly closed. Avoid contact with eyes, skin or clothing. Do not breathe dust or fumes. May be fatal if swallowed. Use protective equipment.

Storage: Store in a cool, dry and well ventilated area. Do not allow water to get into the container. Close container tightly after use. Keep away from fire, heat, flame and direct sunlight. Keep away from substances as mentioned in section 10. NaDCC may react with these materials forming toxic chlorine gas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits (EH40/2002): Long Term Exposure Limit to Chlorine – (8 hours TWA) 0.5ppm 1.5mgm⁻³
Short Term Exposure Limit to Chlorine – (10 minutes) 1ppm .9mgm⁻³

Avoid contact with eyes, skin, clothing, combustible materials, acids, acid salts, acid gases, oxidisers and moisture or water. The product may cause irritation to eyes and skin. Avoid breathing fumes and dust.

Respiratory protection: Wear an officially approved respirator equipped with chemical cartridge for protection against chlorine gas and dust.

Ventilation: Use local exhaust ventilation.

Eye protection: Wear safety goggles or face-shield.

Skin protection: Wear protective clothing and appropriate rubber gloves to avoid contact with skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white crystalline solid	Explosive properties:	no
Odour:	chlorine smell	Oxidizing properties:	non - oxidizing
PH:	5.0 – 7.0 (1% aqueous solution 25°C)	Vapour pressure:	not available
Boiling point:	not available		
Decomposition temperature:	abt. 240 °C		
Flashpoint:	not flammable		

10. STABILITY AND REACTIVITY

Stability: Under normal conditions the product is stable. However, decomposition occurs at temperatures above abt. 240°C with forming of toxic gases.

Conditions to avoid: Also see section 7 and 8. Avoid contact with organic materials, oils grease, sawdust, reducing agents, nitrogen-containing compounds, oxidising substances, acids and alkalis. Damp or slightly wet conditions to be avoided (NaDCC may gradually generate nitrogen trichloride which is explosive).

11. TOXICOLOGICAL INFORMATION

Route of entry: Inhalation, skin contact & ingestion.

Inhalation of NaDCC is irritating to the nose, mouth, throat and lungs. **Ingestion** of NaDCC can cause irritation and or/burns to the gastrointestinal tract. **Skin & Eye Contact:** with NaDCC can cause severe irritation and/or burns, characterized by redness, swelling and scab formation. May cause impairment of vision and corneal damage.

Toxicological Data: NaDCC

Acute toxicity

Oral LD50 (rat) ca. 1825mg/kg Eye Irritation (rabbit) Severe irritant Rabbit dermal LD50 >20,000mg/kg

Carcinogenicity This chemical is not considered to be carcinogenic by any reference source.

12. ECOLOGICAL INFORMATION

NaDCC is highly toxic to fish and other water organisms. Do not discharge into lakes, ponds, stream or public waters without permission of local and national authorities.

13. DISPOSAL CONSIDERATIONS

Under normal conditions the product can be used completely. Disposal of the product in accordance with local and national regulations. Incineration is recommended. Disposal of contaminated packing as chemical waste in accordance with local and national regulations.

14. TRANSPORT INFORMATION

UN No:	N/A	PACK. INSTRUCTIONS:	N/A
PROPER SHIPPING NAME:	N/A	LIMITED QUANTITIES:	IMDG: N/A
IMDG:	N/A	ADR :	N/A
CLASS NUMBER	N/A		
PACKING GROUP	N/A	EMS:	N/A
TRANSPORT CATEGORY:	N/A	MARINE POLLUTANT:	NO

15. REGULATORY INFORMATION

Classification and labelling according to EEC directives and CHIP3:

Symbols: Xn , N (harmful and dangerous for the environment)

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 organism may cause long-term adverse effects in the aquatic environment.

Safety phrases: S2 Keep out of the reach for 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.
S60 This material and its container must be disposed of as hazardous waste
S61 Avoid release to the environment. Refer to special instructions

Regulatory References: The chemicals (Hazard Information & Packaging & supply) (Amendment) Regulations 2005 (Chip3.1)

16. OTHER INFORMATION

Full test for symbols and risk phrases not mentioned in section 15:

O:oxidising, R8 Contact with combustible material may cause fire.

The information herein is based on data considered to be accurate as of the date of preparation of the Material Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.



DANGEROUS
FOR THE
ENVIRONMENT



HARMFUL