Guest Medical

SAFETY DATA SHEET

2.5g Haz-Tab Tablets

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

1.1. Product identifier

Product name	2.5g Haz-Tab Tablets
Product code	H8811

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

Identified uses	Disinfectant
Use descriptors	PC8 – Biocidal Products (e.g. Disinfectant, pest control)
Uses advised against	None known

1.3. Details of the supplier of the safety data sheet

Company and address	Guest Medical Limited Unit A6, Larkfield Trading Estate, New Hythe Lane, Aylesford. Kent. ME20 6SW T: +44(0) 1622 791895, (Hours 09:00- 17:00 Mon to Fri)
E-mail	technical@guest-medical.co.uk
SDS Version	1.0
Revision date	16/12/2022

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24h service).

See Section 4 “First Aid Measures”

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.

Eye Irrit. 2; H319, Causes serious eye irritation.

STOT SE 3; H335, May cause respiratory irritation.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard Pictogram(s)

Signal word

Warning

Hazard statement(s)

H302, Harmful if swallowed.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

H410, Very toxic to aquatic life with long lasting effects.

Safety statement(s)

General

P101, If medical advice is needed, have product container or label at hand.

P102, Keep out of reach of children.

P103, Read label before use.

Prevention

P264, Wash hands thoroughly after handling.

P270, Do not eat, drink or smoke when using this product.

P271, Use only outdoors or in a well-ventilated area.

P273, Avoid release to the environment

P280, Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P312, IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P304 + P340, IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P337 + P313, If eye irritation persists: Get medical advice/attention.

P391, Collect spillage.

Storage

P402 + P404, Store in a dry place. Store in a closed container.

P405, Store locked up.

Disposal

P501, Dispose of contents/container in accordance with local regulation.

Hazardous substances

Troclosene sodium

Additional labelling

EUH031, Contact with acids liberates toxic gas.

EUH206, Warning! Do not use together with other products. May release dangerous gases (chlorine).

Active substance(s): Troclosene sodium (53g / 100g).

2.3 Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product / substance	Identifiers	% w / w	Classification	Notes
Troclosene sodium	CAS No: 2893-78-9 EC No: 220-767-7 UK REACH: EU 01-2119489371-33-XXXX Index No: 613-030-01-7	40-60%	EUH031 Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
Adipic acid	CAS No: 124-04-9 EC No: 204-673-3 UK REACH: Index No: 607-144-00-9	15-25%	Eye Irrit. 2, H319	
Sodium carbonate	CAS No: 497-19-8 EC No: 207-838-8 UK REACH: EU 01-2119489924-20-XXXX Index No:	3-5%	Eye Irrit. 2, H319	

See full text H-phrases in Section 16. Occupational exposure limits are listed in Section 8, if available.

SECTION 4: First aid measures

4.1 Description of first aid measures

General Information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.
Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Ingestion

In the case of ingestion, contact a doctor immediately.
If the person is conscious, give them water.
DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to mouth and throat.
Prevent shock by keeping injured person warm and calm.
Initiate immediate resuscitation if breathing stops.
If unconscious, roll the injured person into recovery position. Call an ambulance.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids.
If irritation continues, contact a doctor. Continue flushing during transport.

Burns

Not applicable.

4.2 Most important symptoms and effects, both acute and delayed

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.
Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

4.3 Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention
Information to medics: Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media

Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)
Some metal oxides.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24h service) in order to obtain further advice.
Hazchem Code: 2Z

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. 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. Avoid inhalation of dust and contact with skin and eyes. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See Section 8 “Exposure controls / personal protection” for protective measures

See Section 13 “Disposal considerations” on handling of waste.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 “Exposure controls/personal protection” for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material

Keep only in original packaging.

Storage temperature

Ambient temperature and humidity, in original packaging securely closed.

Incompatible materials

Will not polymerase. The following materials may react with the product: Acids. Alkalis, Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides.
Contact with acids liberates toxic gas. Under normal conditions of storage and use, no hazardous reactions will occur.

7.3. Specific end use(s)

This product should only be used for applications quoted in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

Adipic Acid

Duration	Route of exposure	DNEL
Long-term – Systemic effects – General population	Dermal	7.5 mg/kg bw/day
Long-term – Systemic effects – Workers	Dermal	21 mg/kg bw/day
Long-term – Systemic effects – General population	Inhalation	13 mg/m^3
Long-term – Systemic effects – Workers	Inhalation	74.1 mg/m^3
Long-term – Systemic effects – General population	Oral	7.5 mg/kg bw/day

Sodium carbonate

Duration	Route of exposure	DNEL
Long-term – Systemic effects – General population	Inhalation	5 mg/m^3
Long-term – Systemic effects – Workers	Inhalation	10 mg/m^3

Troclosene sodium

Duration	Route of exposure	DNEL
Long-term – Systemic effects – General population	Dermal	1.15 mg/kg bw/day
Long-term – Systemic effects – Workers	Dermal	2.3 mg/kg bw/day
Long-term – Systemic effects – General population	Inhalation	1.99 mg/m^3
Long-term – Systemic effects – Workers	Inhalation	8.11 mg/m^3
Long-term – Systemic effects – General population	Oral	1.15 mg/kg bw/day

PNEC

Adipic acid

Route of exposure	Duration of exposure	PNEC
Freshwater	Continuous	126 µg/L
Freshwater sediment	Continuous	474 µg/kg
Intermittent release (freshwater)	Continuous	460 µg/L
Marine water	Continuous	12.6 µg/L
Sewage treatment plant	Continuous	47.4 µg/kg
Soil	Continuous	20.8 µg/kg

Troclosene sodium

Route of exposure	Duration of exposure	PNEC
Freshwater	Continuous	170 ng/L
Freshwater sediment	Continuous	7.56 mg/kg
Intermittent release (freshwater)	Continuous	1.7 µg/L
Marine water	Continuous	1.52 mg/L
Sewage treatment plant	Continuous	590 µg/L
Soil	Continuous	756 µg/kg

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work. Keep container tightly sealed when not in use.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory protection

No specific requirements

Skin protection

Recommended	Type/Category	Standards	
Standard fabric garments (e.g. cotton overcoat or apron). However, in a professional setting, an in-use risk assessment should determine what is suitable.	As determined in an in-use risk assessment for professional use.	As determined in an in-use risk assessment for professional use	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min)	Standards	
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.	As specified for glove type specified through individual use risk assessment.	As specified for glove type specified through individual use risk assessment.	As specified for glove type specified through individual use risk assessment.	

Eye / face protection

Type	Standards	
Chemical splash goggles or face shield, if an in-use risk assessment specifies it is necessary.	As determined by specific, an in-use risk assessment. Under normal domestic and professional use, standard safety spectacles are adequate.	

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	Tablets
Colour	White
Odour	Chlorine
Melting point / freezing point (°C)	Not applicable
Boiling point (°C)	Not applicable
Flammability (°C)	Not applicable
Lower and Upper explosion limit (% v/v)	Not applicable
Flash point (°C)	Not applicable
Auto-ignition temperature (°C)	Not applicable
Decomposition temperature (°C)	Not applicable
pH	5 – 6.5 @ 1% (diluted solution)
Kinematic viscosity	Not applicable
Solubility	Completely soluble in water
Partition coefficient	Not applicable
Vapour pressure	Not applicable
Density and / or relative density	1.4 g/cm^3
Relative vapour density	Does not apply to solids
Particle characteristics	Not applicable

9.2. Other information

Evaporation rate (*n-butylacetate* = 100)	Not applicable
Other physical and chemical properties	No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

Contact with acids liberates toxic gas.

Warning! Do not use in combination with other products. May release dangerous gases (chlorine).

10.2. Chemical Stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

The following materials may react with the product: Alkalis. Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Avoid the following conditions: Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Flammable/combustible materials. Moisture. Avoid contact with acids and alkalis. Avoid contact with strong oxidising agents. Avoid contact with strong reducing agents. Hydrocarbons. Inorganic nitrates. Inorganic nitrites. Organic compounds.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in Section 1.

Heating may generate the following products: Carbon monoxide (CO). Oxides of nitrogen. Hydrogen chloride (HCl). Isocyanates. Chlorine.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Harmful if swallowed.

Skin corrosion / irritation

Based on available data, the classification criteria are not met.

Serious eye damage

Causes serious eye irritation.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT – single exposure

May cause respiratory irritation.

STOT – repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

None known.

Other information

None known

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	Troclosene sodium	Troclosene sodium
Test method		
Species	Fish, Oncorhynchus mykiss	Daphnia, Daphnia magna
Compartment		
Duration	96 hours	48 hours
Test	LC50	EC50
Result	0.38mg/L	<1 mg NaDCC mg/L
Other information		

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 – Irritant (skin irritation and eye damage)

HP 5 – Specific Target Organ Toxicity (STOT_/Aspiration Toxicity

HP 6 – Acute toxicity

HP 12 – Release of an acute toxic gas

HP 14 Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

Disposal methods – Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

General information – Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

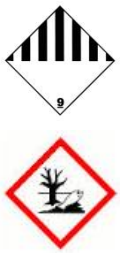
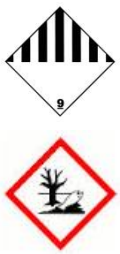
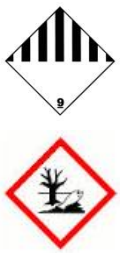
Specific labelling

Not applicable.

Contaminated Packaging

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 Packing group	14.5 Environmental hazards	Other information
ADR	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities:5 kg Tunnel restriction code: (-) See below for additional information
IMDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	Limited quantities: 5 kg EmS: F-A S-F See below for additional information
IATA	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Class: 9 Labels: 9 Classification code: M7 	III	Yes	See below for additional information

Additional information

These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA providing the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 – 4.1.1.8 (ADR, IMDG)/ 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA).

This product is within scope of the regulations of transport of dangerous goods.

Hazchem Code: 2Z.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application
Restricted to professional users

Demands for specific education
No specific requirements

SEVESO – Categories / dangerous substances
E1 – ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Biocidal Product Regulations
Product Type: PT2 – Disinfectants and algaecides not intended for direct application to humans or animals

Restriction on use
PT4 – Food and feed area

Additional information
Not applicable

Sources
Control of Major Accident Hazards (COMAH) Regulations 2015.
In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

General information

Revision date	16.12.2022
Revision	1.0

Indication of changes

N/A

Full text of H-phrases as mentioned in Section 3

EUH031, Contact with acids liberates toxic gas.
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.
ATE = Acute Toxicity Estimate.
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP – specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Preventionn of Pollution From Ships, 1973 as modified by the Protocol of 1978. (Marpol = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity – Repeated Exposure
STOT-SE = Specific Target Organ Toxicity – Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional Information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.