



# Guest Medical

## SAFETY DATA SHEET 3.4g Propulse Detergent Sanitizer Tablets (0.85g NaDCC)

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

#### 1.1. Product identifier

**Product name** 3.4g Propulse Detergent Sanitizer Tablets (0.85g NaDCC) H8950/MIR

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

**Identified uses** Disinfection and cleaning of Propulse equipment, when correctly diluted with water.

#### 1.2. Details of the supplier of the safety data sheet

**Supplier** 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)  
F: +44(0) 1622 716309  
[enquiries@quest-medical.co.uk](mailto:enquiries@quest-medical.co.uk)

**Emergency telephone number:** +44(0) 1622 791895, (Hours 09:00- 17:00 Mon to Fri – English language service only)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

**Physical hazards:** Not Classified  
**Health hazards:** Eye Irrit. 2 - H319 STOT SE 3 - 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

P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear eye protection.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P391 Collect spillage.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local regulations.

### 3.4g Propulse Detergent Sanitizer Tablets

#### Supplemental label information

EUH031 Contact with acids liberates toxic gas.

#### Contains

Troclosene sodium

#### Supplementary precautionary statements

P261 Avoid breathing dust.

P280 Wear protective clothing and gloves.

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. Continue rinsing.

P405 Store locked up.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>TROCLOSENE SODIUM</b>	<b>10 - 30%</b>
CAS number: 2893-78-9 EC number: 220-767-7	
M factor (Acute) = 1 M factor (Chronic) = 1	
<b>Classification</b>	
Ox. Sol. 2 - H272	
Acute Tox. 4 - H302	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>ADIPIC ACID</b>	<b>30-60%</b>
CAS number: 124-04-9 EC number: 204-673-3	
<b>Classification</b>	
Eye Irrit. 2 - H319	
<b>SODIUM TOLUENE SULPHONATE</b>	<b>1-5%</b>
CAS number: 12068-03-0 EC number: 235-088-1	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	

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

## 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 may assist affected person by administering oxygen.

#### Ingestion

Do not induce vomiting. 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

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

#### Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

### 3.4g Propulse Detergent Sanitizer Tablets

4.2 **Most important symptoms and effects, both acute and delayed.** No data available.

4.3 **Indication of any immediate medical attention and special treatment needed.** No data available.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Extinguish with the following media: foam, carbon dioxide, dry powder or water fog.

##### 5.2. Special hazards arising from the substance or mixture

###### Specific hazards

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Thermal decomposition or combustion products may include the following oxides of the following substances: Carbon, Nitrogen, very corrosive gases or vapours, Chlorine. Hydrogen chloride (HCl), Toxic gases or vapours: Decomposes above 250°C with release of chlorine and other toxic fumes.

##### 5.3. Advice for firefighters

###### Protective actions during firefighting

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Contain and collect extinguishing water.

###### Special protective equipment 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

###### 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. 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

###### Environmental precautions

Not considered to be a significant hazard due to the small quantities used. Collect & dispose of spillage as indicated in Section 13.

##### 6.3. Methods and material for containment and cleaning up

###### Methods for 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

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

###### Usage precautions

Avoid spilling. 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 must be kept tightly closed when not in use. Protect against freezing and direct sunlight. Follow instructions and ensure correct dilution of this product before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid breathing dust.

### 3.4g Propulse Detergent Sanitizer Tablets

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage precautions

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

#### 7.3. Specific end use(s)

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

Short-term exposure limit (15-minute): WEL, (as Chlorine) 0.5 ppm 1.5mg/m<sup>3</sup> fume

Long-term exposure limit (8-hour TWA): WEL, 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL, 4.0 mg/m<sup>3</sup> respirable dust

WEL = Workplace Exposure Limits

**DNEL** Human exposure based on the active ingredient Troclosene sodium  
 Consumer – Dermal; Long term systemic effects: 1.15 mg/kg/day  
 Consumer – Inhalation; Long term systemic effects: 1.99 mg/m<sup>3</sup>  
 Consumer – Oral; Long term systemic effects: 1.15 mg/kg/day

##### ADIPIC ACID (CAS: 124-04-9)

**DNEL** Industry - Inhalation; Short term 5mg/m<sup>3</sup>  
**PNEC** - Fresh water; Short term 0.126 mg/l  
 - Marine water; Short term 0.0126 mg/l  
 - Sediment; Short term 0.484 mg/l  
 - Soil; Short term 0.0228 mg/l

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

##### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

##### Other skin and body protection

Avoid contact with the skin. Wear suitable coveralls to avoid exposure to the skin.

##### Hygiene measures

Warn cleaning personnel of any hazardous properties of the product. Do not eat, drink or smoke when using this product. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Provide eyewash station. Persons susceptible to allergic reactions should not handle this product. Good personal hygiene procedures should be implemented.

##### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

##### Environmental exposure controls

Do not allow undiluted product to enter drains.

### 3.4g Propulse Detergent Sanitizer Tablets

#### SECTION 9: Physical and Chemical Properties

##### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	- White flat tablet
<b>Colour</b>	- White/off white
<b>Odour</b>	- Characteristic, bleach.
<b>pH</b>	- pH (diluted solution): 4-6 @ 1%
<b>Flash point</b>	- not applicable
<b>Solubility(ies)</b>	- Soluble in water.
<b>Oxidising properties</b>	- Does not meet the criteria for classification as oxidising.

9.2. Other information - Not determined

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

See section 10.3 (possibility of hazardous reactions) for further information.

##### 10.2. Chemical stability

###### Stability

Stable at normal ambient temperatures and when used as recommended.

##### 10.3. Possibility of hazardous reactions

Will not polymerise. 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.

##### 10.4. Conditions to avoid

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

##### 10.5. Incompatible materials

###### Materials to avoid

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

##### 10.6. Hazardous decomposition products

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 toxicological effects

###### Acute toxicity - oral

**ATE oral (mg/kg)** 4,670.83

**Inhalation** May cause respiratory system irritation.

**Ingestion** May be 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

### 3.4g Propulse Detergent Sanitizer Tablets

#### SECTION 12: Ecological Information

##### Ecotoxicity

This product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

##### 12.1. Toxicity

###### Acute aquatic toxicity

###### Acute toxicity – fish

- LC<sub>50</sub>, 96 hours: 0.24 mg/l, Oncorhynchus mykiss, Fish

Acute toxicity – aquatic invertebrates - EC<sub>50</sub>, 48 hours: < 1 mg NaDCC mg/l, Daphnia magna

12.2. **Persistence and degradability:** There is no data available on the degradability of this product.

12.3 **Bioaccumulative potential:** No data available on bioaccumulation.

12.4 **Mobility in soil:** This product is soluble in water

12.5 **Results of PBT and vPvB assessment:** This product does not contain any substances classified as PBT or vPvB

12.6 **Other adverse effects:** Not determined

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### 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.

###### Disposal methods

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

#### SECTION 14: Transport information

##### General

For limited quantity packaging / limited load information, consult the relevant modal documentation using the data shown in this section.

##### Road transport notes

Refer to the Dangerous Goods List for information on any Special Provisions SP 135.  
Refer to the Dangerous Goods List for information on any Special Provisions SP 375.

##### Sea transport notes

Refer to the Dangerous Goods List for information on any Special Provisions General Provision 2.10.2.7.

##### Air transport notes

Refer to the Dangerous Goods List for information on any Special Provisions A 28.  
Refer to the Dangerous Goods List for information on any Special Provisions A 197

##### 14.1. UN Number

UN no. (ADR/RID)	3077
UN no. (IMDG)	3077
UN no. (ICAO)	3077
UN no. (ADN)	3077

##### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

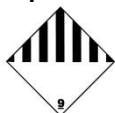
### 3.4g Propulse Detergent Sanitizer Tablets

#### 14.3 Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M7

ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

#### Transport labels:



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

#### 14.5 Environmental hazards

Environmentally hazardous substance / marine pollutant.



#### 14.6 Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

## SECTION 15: Regulatory information

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

##### National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716)

##### EU legislation

Regulation (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) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of the 16<sup>th</sup> December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Regulation (EU) No. 453/2010 of 20 May 2010.

Commission Regulation (EU) No. 2015/830 of 28 May 2015.

##### Guidance

Workplace Exposure Limits EH40.

Approved Classification and Labelling Guide (Sixth edition) L131.

Guidance on the compilation of safety data sheets. Version 3, August 2015..

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### 3.4g Propulse Detergent Sanitizer Tablets

#### SECTION 16: Other information

##### General information

<b>Revision date</b>	10.11.2017
<b>Revision</b>	8
<b>Supersedes date</b>	18. 01. 2017
<b>SDS number</b>	20510

##### Hazard statements in full

H272 May intensify fire; oxidiser.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
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.  
H412 Harmful to aquatic life with long lasting effects.

##### 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, 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.