

## SAFETY DATA SHEET

### MILTON Sterilising Tablets (4g)

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

##### 1.1. Product identifier

**Product name** MILTON Sterilising Tablets (4g)

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

**Identified uses** Disinfectant.

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

**Supplier** Laboratoire Rivadis  
Impasse du petit Rosé, ZI  
79100 Louzy - France

Telephone number: 05 49 68 15 15

Fax: 05 49 66 16 41

fds@labo-rivadis.fr

**Contact person** sds@hydrachem.co.uk

##### 1.4. Emergency telephone number

**National emergency telephone number** Country / Phone number & Website: Austria 112 - ; Belgium +32 070 245 245, www.centreantipoisons.be/; Bulgaria +359 2 9154 409, www.pirogov.bg; Croatia +358 1 2348 342, - ; Cyprus 112, - ; Czech Republic (+420) 224 919 293/ 224 915 402 www.tis-cz.cz ; Denmark +45 82 12 12 12, - ; Estonia 166662, +372 626 93 90, - ; Finland 112, - ; France +33 (0)1 45 42 59 59 INRS/ORFILA www.centres-antipoison.net ; Germany 112, - ; Greece 112, - ; Hungary (+36) 14 766 464/ 80 201 199, - ; Iceland 112, - ; Italy 112, - ; Latvia +371 670 424 73, - ; Liechtenstein 112, - ; Lithuania (+370) 5 236 20 52/ 6 875 33 78, www.tox.lt/; Luxembourg 112, - ; Malta 112, - ; Netherlands (+31) 030 274 8888, - ; Norway (+42) 2259 1300, - ; Poland 112, - ; Portugal 0808 250 143, - ; Romania 112, - ; Slovakia (+421) 2 54 774 166, - ; Slovenia 112, - ; Spain (+34) 91 562 04 20, - ; Sweden 112, - ; Switzerland 145, - ; United Kingdom 111, - ;

#### SECTION 2: Hazards identification

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

###### Classification

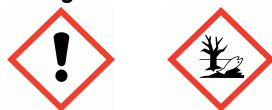
**Physical hazards** Not Classified

**Health hazards** Eye Irrit. 2 - H319 STOT SE 3 - H335

**Environmental hazards** Aquatic Chronic 2 - H411

##### 2.2. Label elements

###### Pictogram



**Signal word**

Warning

## MILTON Sterilising Tablets (4g)

<b>Hazard statements</b>	<p>H319 Causes serious eye irritation.</p> <p>H335 May cause respiratory irritation.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P402 Store in a dry place.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p>
<b>Supplemental label information</b>	<p>EUH031 Contact with acids liberates toxic gas.</p> <p>EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).</p>
<b>Contains</b>	TROCLOSENE SODIUM
<b>Supplementary precautionary statements</b>	<p>P264 Wash hands thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear eye protection.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P391 Collect spillage.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p>

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>ADIPIC ACID</b>	<b>10-30%</b>
CAS number: 124-04-9	EC number: 204-673-3
<b>Classification</b> Eye Irrit. 2 - H319	
<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	

## MILTON Sterilising Tablets (4g)

<b>SODIUM CARBONATE</b>	<b>5-10%</b>
CAS number: 497-19-8	EC number: 207-838-8
<b>Classification</b> Eye Irrit. 2 - H319	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	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.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use foam, carbon dioxide, dry powder or water fog to extinguish.

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

<b>Specific hazards</b>	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 substances: Oxides of the following substances: Carbon. Nitrogen. Chlorine. Hydrogen chloride (HCl). Toxic gases or vapours. Decomposes above 250°C with release of chlorine and other toxic fumes.
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#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Contain and collect extinguishing water.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	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.
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#### 6.2. Environmental precautions

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**Environmental precautions** Not considered to be a significant hazard due to the small quantities used. Collect and 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. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. 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. Follow instructions and ensure correct dilution of this product before use. Do not eat, drink or smoke when using this product. Protect from freezing and direct sunlight.

### 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 1.5 mg/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 Limit

#### 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 : 5 mg/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



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<b>Appropriate engineering controls</b>	No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.
<b>Eye/face protection</b>	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.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
<b>Other skin and body protection</b>	Avoid contact with skin. Wear suitable coveralls to prevent exposure to the skin.
<b>Hygiene measures</b>	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.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
<b>Environmental exposure controls</b>	Do not allow undiluted product to enter drains.

### 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

<b>Other information</b>	Not determined.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	See Section 10.3 (Possibility of hazardous reactions) for further information.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	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.
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#### 10.4. Conditions to avoid

## MILTON Sterilising Tablets (4g)

**Conditions to avoid** Avoid the following conditions: Water, moisture. Avoid 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

**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)** 7,364.1025641

**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

## SECTION 12: Ecological Information

**Ecotoxicity** The 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 toxicity - fish** LC<sub>50</sub>, 96 hours: 0.37-0.47 mg/l, Fish

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

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

## MILTON Sterilising Tablets (4g)

### 13.1. Waste treatment methods

<b>General information</b>	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.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

<b>General</b>	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.
<b>Road transport notes</b>	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.
<b>Sea transport notes</b>	Refer to the Dangerous Goods List for information on any Special Provisions General Provision 2.10.2.7.
<b>Air transport notes</b>	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

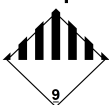
#### 14.2. UN proper shipping name

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.

#### 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
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## MILTON Sterilising Tablets (4g)

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 MARPOL73/78 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 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010.
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.

## SECTION 16: Other information

Revision date	20/04/2016
Revision	18
Supersedes date	08/02/2016
SDS number	10426
Signature	«184»



## MILTON Sterilising Tablets (4g)

**Hazard statements in full**

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.  
H411 Toxic to aquatic life with long lasting effects.

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.