

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

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

Classification (67/548/EEC or 1999/45/EC)

Xn;R22. Xi;R36/37. N;R51/53. R31.

2.2. Label elements**Pictogram**

Signal word

Warning

Hazard statements

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H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P402 Store in a dry place.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local regulations.

Supplemental label information

EUH031 Contact with acids liberates toxic gas.
 EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

Contains

TROCLOSENE SODIUM

Supplementary precautionary statements

P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear eye protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

ADIPIIC ACID	10-30%
CAS number: 124-04-9 EC number: 204-673-3	
Classification	Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319	Xi;R36
TROCLOSENE SODIUM	10-30%
CAS number: 2893-78-9 EC number: 220-767-7	
M factor (Acute) = 1 M factor (Chronic) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Ox. Sol. 2 - H272	E;R2 O;R8 Xn;R22 Xi;R36/37 R31 N;R50/53
Acute Tox. 4 - H302	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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SODIUM CARBONATE		5-10%
CAS number: 497-19-8 EC number: 207-838-8		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319	Xi;R36	

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.

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**

Extinguish with the following media: Water spray, dry powder or carbon dioxide.

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/m³. 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.

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.

6.2. Environmental precautions**Environmental precautions**

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

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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. 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 direct sunlight. Follow instructions and ensure correct dilution of this product before use.

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/m3 fume

Long-term exposure limit (8-hour TWA): WEL 10 mg/m3 inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4.0 mg/m3 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/m3
	Consumer - Oral; Long term systemic effects: 1.15 mg/kg/day

ADIPIC ACID (CAS: 124-04-9)

DNEL	Industry - Inhalation; Short term : 5 mg/m3
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.

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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 skin. Wear suitable coveralls to prevent 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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

White flat tablet

Colour

White/off-white.

Odour

Characteristic. bleach

pH

pH (diluted solution): 4-6 @ 1%

Flash point

Not applicable.

Solubility(ies)

Soluble in water.

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information

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

10.5. Incompatible materials

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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)

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 aquatic toxicity

LE(C)₅₀

$0.1 < L(E)C_{50} \leq 1$

M factor (Acute)

1

Acute toxicity - fish

LC₅₀, 96 hours: 0.37-0.47 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 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

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is soluble in water.

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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 The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Road transport notes ADR/ IMDG SPECIAL PROVISION 375

Air transport notes ICAO/ IATA SPECIAL PROVISION A197

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Revision date	24/02/2015
Revision	13
Supersedes date	17/02/2015
SDS number	10426

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Signature

Risk phrases in full

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

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R36 Irritating to eyes.

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.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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.