



Milton® Sterilising Tablets

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Milton® Sterilising tablets

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

Disinfectant

1.3. Details of the supplier of the safety data sheet

Registered company name: Milton International
 Address: 9 rue Marcel Sembat, 44100 Nantes - France
 Phone: +33 (0)5 49 68 15 15
 Fax.: +33 (0)5 49 66 16 41
 E-mail: fds@labo-rivadis.fr
<https://www.milton-tm.com/en>

1.4. Emergency telephone number

Country	Phone number	Website
Austria	112	-
Belgium	+ 32 070 245 245	http://www.centreantipoisons.be/
Bulgaria	+359 2 9154 409	http://www.pirogov.bg
Croatia	(+385 1) 23-48-342	-
Cyprus	112	-
Czech Republic	+420 224 919 293, +420 224 915 402	www.tis-cz.cz
Denmark	+45 82 12 12 12	-
Estonia	16662 / (+372) 626 93 90	-
Finland	112	-
France	+33 (0)1 45 42 59 59	INRS / ORFILA http://www.centres-antipoison.net .
Germany	112	-
Greece	112	-
Hungary	+36 1 476 6464 / +36 80 201 199	-
Iceland	112	-
Ireland	01 809 2166	-
Italy	112	-
Latvia	+371 67042473	-
Liechtenstein	112	-
Lithuania	+370 5 236 20 52 / +370 687 53378	http://www.tox.lt/
Luxembourg	112	-
Malta	112	-
Netherlands	(+31) 030-2748888	-
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

In compliance with EC regulation No. 1272/2008 and its amendments.

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319 STOT SE 3 - H335
Environmental hazards	Aquatic Chronic 2, H411

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazards pictograms:



SGH07

SGH09

Signal word: WARNING

Hazard statements:

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.
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 eye protection.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.
P402	Store in a dry place.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container in accordance with local regulations.

Additional labelling:

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

2.3. Other hazards

No data available.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable (mixture).

3.2. Mixtures

Composition:

INDEX	CAS No.	EC No.	Hazardous ingredient(s)	Pictograms	Classification	% w/w
607-144-00-9	124-04-9	204-673-3	Adipic acid	GHS 07	H319	10-30
613-030-01-7	2893-78-9	220-767-7	Troclosene sodium M factor (Acute)= 1 M factor (Chronic) = 1	GHS 03 GHS 07 GHS 09	H272 H302 H319 H335 H400 H410	10-30
011-005-00-2	497-19-8	207-838-8	Sodium carbonate	GHS 07	H319	5-10

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

SECTION 4 – FIRST AID MEASURES

4.1. Description of first aid measures

In the event of exposure by 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.
In the event of splashes or contact with eyes	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.
In the event of splashes or contact with skin	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
In the event of swallowing	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.

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

Use foam, carbon dioxide, dry powder or water fog to extinguish.

5.2. Special hazards arising from the substance or mixture

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.

5.3. Advice for firefighters

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

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

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

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.

6.4. Reference to other sections

No data available.

SECTION 7 – HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling. 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. Do not eat, drink or smoke when using this product. Protect from freezing and direct sunlight. Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid breathing dust.

7.2. Conditions for safe storage, including any incompatibilities

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)

No data available.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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/m ³ 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 ³
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

Suitable technical inspections	No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.
Personal protection measures, such as personal protective equipment	 
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.
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.
Thermal risks	Not applicable.

8.3. Exposure controls linked to environmental protection

Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state	Tablet
Odor	Characteristic. Chlorine.
Color	White/off-white.

Important health, safety and environmental information:

pH	pH (diluted solution): 4-6 @ 1%
Flash point	Not applicable.
Solubility	Soluble in water.
Oxidising properties	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

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

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

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

11.1.1. Substances

No data available

11.1.2. Mixture

Acute toxicity	ATE oral: 7,364.1025641 mg/kg May cause respiratory system irritation. May be harmful if swallowed.
Skin corrosion/skin irritation	Skin irritation should not occur when used as recommended.
Serious damage to eyes/eye irritation	Irritating to eyes.
Other information	Route of entry: Inhalation Ingestion. Skin and/or eye contact.

SECTION 12 – ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

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

12.1.2. Mixtures

Acute toxicity - fish

LC₅₀, 96 hours: 0.24 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: < 1 mg NaDCC mg/l, Daphnia magna

12.2. 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

The 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.

Sea transport notes

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

Air transport notes

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
IMDG packing group	III
ICAO packing group	III
ADN 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	(-)

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

No data available.

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. 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.

SECTION 16 – OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H and EUH indications mentioned in section 3:

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.