



# Milton® Antibacterial Laundry Cleanser

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

### 1.1. Product identifier

Product name : Milton® Antibacterial Laundry Cleanser  
 UFI : J4PF-95DJ-U00C-7KEC

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

Biocidal product. Product-types 02.  
 Disinfecting tablet  
 Mixed use : For professional and general public.  
 Type of formulation: tablet (TB)

Use descriptor system (REACH): No data available

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

Registered company name: Laboratoire Rivadis  
 Address: Impasse du petit Rosé, Z.I., 79100 Louzy - France  
 Phone: +33 (0)5 49 68 15 15  
 Fax.: +33 (0)5 49 66 16 41  
 E-mail: fds@labo-rivadis.fr  
<http://www.labo-rivadis.com>

### 1.4. Emergency telephone number

Country	Phone number	Website
Austria	112	-
Belgium	+ 32 070 245 245	<a href="http://www.centreantipoisons.be/">http://www.centreantipoisons.be/</a>
Bulgaria	+359 2 9154 409	<a href="http://www.pirogov.bg">http://www.pirogov.bg</a>
Croatia	(+385 1) 23-48-342	-
Cyprus	112	-
Czech Republic	+420 224 919 293, +420 224 915 402	<a href="http://www.tis-cz.cz">www.tis-cz.cz</a>
Denmark	+45 82 12 12 12	-
Estonia	16662 / (+372) 626 93 90	-
Finland	112	-
France	+33 (0)1 45 42 59 59	INRS / ORFILA <a href="http://www.centres-antipoison.net">http://www.centres-antipoison.net</a> .
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	<a href="http://www.tox.lt/">http://www.tox.lt/</a>
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.

**Causes serious eye irritation** | Category 2 (Eye. Irrit. 2, H319).

### 2.2. Label elements

The product is classified and labelled according to the CLP regulation.

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

Hazards pictograms:



GHS07

Signal word: WARNING

Hazard statements:

<b>H319</b>	Causes serious eye irritation.
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Precautionary statements:

<b>P101</b>	If medical advice is needed, have product container or label at hand.
<b>P102</b>	Keep out of reach of children.
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
<b>P337+P313</b>	If eye irritation persists: Get medical advice/attention.
<b>P411</b>	Store at temperatures not exceeding 40°C.

### 2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) as defined by criteria of article 57 and as per article 59 of REACH (Regulation EC No.1907/2006) at concentration  $\geq 0.1\%$  - list published by the European Chemicals Agency (ECHA): (<http://echa.europa.eu/fr/candidate-list-table>).

The mixture does not contain any PBT or vPvB substances as defined in annex XIII of the REACH regulation EC No.1907/2006.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable (mixture).

### 3.2. Mixtures

Description : Biocidal product.

Composition : Biocidal active substance: Peracetic acid generated from tetraacetythylenediamine (TAED) and sodium percarbonate (6.86%) and 6-(phthalimido)peroxyhexanoic acid (PAP) (0.1%).

CAS No.	EC No.	Hazardous ingredient(s)	Pictograms	Classification	% w/w
15630-89-4	239-707-6	SODIUM CARBONATE PEROXIDE	GHS 03 GHS 05 GHS 07	H272 H318 H302 Specific concentration limit: Eye Dam. 1; H318: C $\geq 25\%$	$\geq 10$ -<25%
497-19-8	207-838-8	sodium carbonate	GHS 07	H319	10-25%
124-04-9	204-673-3	adipic acid	GHS 07	H319 H335	$\geq 2.5$ -<10%
77-92-9	201-069-1	citric acid	GHS 07	H319	$\geq 2.5$ -<10%
112926-00-8	231-545-4	Precipitated silica (Silica-Amorphous) Nanoform: amorphous forms	/	/	$\leq 2.5\%$
128275-31-0	410-850-8	6-(phthalimido)peroxyhexanoic acid	GHS 02 GHS 05 GHS 09	H242 H318 H400	<0.25%

### Regulation (EC) No 648/2004 on detergents / Labelling for contents

oxygen-based bleaching agents	$\geq 15$ - <30%
non-ionic surfactants, polycarboxylates	<5%
disinfectants, perfumes	

Additional information: For the wording of the listed hazard phrases refer to section 16.

## SECTION 4 – FIRST AID MEASURES

### 4.1. Description of first aid measures

In the event of exposure by inhalation	Supply fresh air; consult doctor in case of complaints.
In the event of splashes or contact with eyes	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
In the event of splashes or contact with skin	Generally the product does not irritate the skin.

<b>In the event of swallowing</b>	If symptoms persist consult doctor.
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**4.2. Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

**SECTION 5 – FIREFIGHTING MEASURES****5.1. Extinguishing media**

<b>Suitable extinguishing agents</b>	Use fire extinguishing methods suitable to surrounding conditions.
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**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3. Advice for firefighters**

No special measures required.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Not required.

**6.2. Environmental precautions**

Do not allow to enter sewers/ surface or ground water.

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

Pick up mechanically.

**6.4. Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7 – HANDLING AND STORAGE****7.1. Precautions for safe handling**

No special measures required.

Prevent formation of dust.

<b>Information about fire - and explosion protection</b>	Protect from heat.
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**7.2. Conditions for safe storage, including any incompatibilities**

<b>Requirements to be met by storerooms and receptacles</b>	No special requirements.
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<b>Information about storage in one common storage facility</b>	Not required.
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<b>Further information about storage conditions</b>	Keep container tightly sealed. Protect from heat and direct sunlight.
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**7.3. Specific end use(s)**

No further relevant information available.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**



<b>Regulatory information</b>	OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work
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<b>Additional information</b>	The lists valid during the making were used as basis.
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**8.2. Exposure controls**

<b>Appropriate engineering controls</b>	No further data; see item 7.
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<b>General protective and hygienic measures</b>	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.
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<b>Respiratory protection</b>	Not required
<b>Protection of hands</b>	 <p>Protective Gloves</p> <p>Valid in case of prolonged contacts like during production Not required in normal use The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</p>
<b>Material of gloves</b>	<p>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>Nitril rubber, NBR Natural rubber, NR PVC gloves</p>
<b>Penetration time of glove material</b>	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>Eye protection</b>	 <p>Safety glasses</p> <p>Valid in case of prolonged contacts like during production Not required in normal use</p>

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

General information:

<b>Physical state</b>	Solid
<b>Odor</b>	Characteristic
<b>Color</b>	White green
<b>Odour threshold</b>	Not determined
<b>Melting point/freezing point</b>	Undetermined.
<b>Initial boiling point/boiling range</b>	265°C
<b>Flammability (solid, gas)</b>	Not determined
<b>Lower/upper explosive limits</b>	Not determined
<b>Flash point</b>	196°C
<b>Flammability (solid, gas)</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>pH-value</b>	Not applicable
<b>Viscosity</b>	Not applicable
<b>Solubility in / Miscibility with water</b>	Soluble
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Vapour pressure</b>	Not applicable
<b>Density</b>	Not applicable solid product
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not applicable
<b>Particle characteristics</b>	CAS : 112926-00-8 Precipitated silica (Silica -Amorphous): amorphous forms

## 9.2. Other information

<b>Appearance</b>	Solid
<b>Auto-ignition temperature</b>	Product is not selfigniting.
<b>Explosive properties</b>	Product does not present an explosion hazard.
<b>Organic solvents content</b>	0.0%
<b>Water content</b>	0.3%
<b>Solids content</b>	100.0%
<b>Evaporation rate</b>	Not applicable.

Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

## SECTION 10 – STABILITY AND REACTIVITY

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

<b>Thermal decomposition / conditions to be avoided</b>	No decomposition if used according to specifications.
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### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met. SODIUM CARBONATE PEROXIDE (CAS No. 15630-89-4) Acute oral toxicity, rat: LD50 = 1.034 mg/kg Acute dermal toxicity, rabbit: LD50 > 2.000 mg/kg
<b>Skin corrosion/skin irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious damage to eyes/eye irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ systemic toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ systemic toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

<b>Endocrine disrupting properties</b>	None of the ingredients is listed.
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## SECTION 12 – ECOLOGICAL INFORMATION

### 12.1. Toxicity

<b>Aquatic toxicity</b>	No further relevant information available.
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### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.

### 12.4. Mobility in soil

No further relevant information available.

### 12.5. Results of PBT and vPvB assessment

Not applicable.

### 12.6. Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7. Other adverse effects

<b>General notes</b>	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
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## SECTION 13 – DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

<b>Recommendation</b>	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
<b>Uncleaned packaging</b>	Disposal must be made according to official regulations.

## SECTION 14 – TRANSPORT INFORMATION

### 14.1 UN Number or ID number

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### 14.2. UN proper shipping name

-

**14.3. Transport hazard class(es)**

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to IMO instruments**

Not applicable.

**SECTION 15 – REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Eliminate products not used according to the prescriptions of the municipal regulation of elimination of this waste, for example by contribution in waste recycling center, the recycling of the packaging will be banned in this case. Do not throw residues in sewers and streams.

CLP Regulation (EC) n°1272/2008 and its adaptations.

Detergents Regulation (EC) n°648/2004 and its adaptations.

No restriction under Annex XVII of REACH

Contains no REACH candidate substance

CLP Regulation (EC) n°1272/2008 and its adaptations.

Detergents Regulation (EC) n°648/2004 and its adaptations.

Biocidal Products Regulation (EU)n°528/2012 and its adaptations.

No restriction under Annex XVII of REACH

Contains no REACH candidate substance

<b>Directive 2012/18/EU - Named dangerous substances - ANNEX I</b>	None of the ingredients is listed.
<b>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</b>	None of the ingredients is listed.
<b>REGULATION (EU) 2019/1148 Annex I – RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</b>	None of the ingredients is listed.
<b>REGULATION (EU) 2019/1148 Annex II - REPORTABLE EXPLOSIVES PRECURSORS</b>	None of the ingredients is listed.
<b>Regulation (EC) No 273/2004 on drug precursors</b>	None of the ingredients is listed.
<b>Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors</b>	None of the ingredients is listed.

**15.2. Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 16 – OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

For substances with REACH registration number, information on the classification by Regulation (EC) No 1272/2008 are provided by the supplier of the substance.

For all other substances, information on the classification by Regulation (EC) No 1272/2008 are purely illustrative (automatic software), and may be modified based on data suppliers.

**Relevant phrases:**

<b>H242</b>	Heating may cause a fire.
<b>H272</b>	May intensify fire; oxidiser.

<b>H302</b>	Harmful if swallowed.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H400</b>	Very toxic to aquatic life.

### Abbreviations

<b>ADR</b>	European agreement concerning the international carriage of dangerous goods by Road.
<b>IMDG</b>	International Maritime Dangerous Goods.
<b>IATA</b>	International Air Transport Association.
<b>GHS</b>	Globally Harmonised System of Classification and Labelling of Chemicals
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>CAS</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>LC50</b>	Lethal concentration, 50 percent
<b>LD50</b>	Lethal dose, 50 percent
<b>PBT</b>	Persistent, Bioaccumulative and Toxic
<b>vPvB</b>	very Persistent and very Bioaccumulative
<b>Ox. Sol. 3</b>	Oxidizing solids – Category 3
<b>Org. Perox. D</b>	Organic peroxides – Type C/D
<b>Acute Tox. 4</b>	Acute toxicity - oral – Category 4
<b>Eye Dam. 1</b>	Serious eye damage/eye irritation – Category 1
<b>Eye Irrit. 2</b>	Serious eye damage/eye irritation – Category 2
<b>STOT SE 3</b>	Specific target organ toxicity (single exposure) – Category 3
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment - acute aquatic hazard – Category 1