



Milton® Antibacterial Hand Sanitiser

(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 Hand Sanitiser

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

Disinfecting foam for hands without rinsing.

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
<http://www.milton-tm.com/fr>

Registered company name: Milton Pharmaceutical Company UK Ltd
 Address: The Garden Suite, 23 Westfield Park, Redland, BS6 6LT, Bristol - England
 Phone: +44 0800 097 5606
 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/
Luxembourgs	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.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal detergent mixture (see section 15).

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

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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of container according to the municipal regulation.

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

The mixture fulfills neither the PBT nor the vPvB criteria for mixtures in accordance with annex XIII of the REACH regulation EC No.1907/2006.

The mixture does not contain substances $> 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**Composition :

CAS No.	EC No.	Hazardous ingredient(s)	Pictograms	Classification	% w/w
50-21-5	200-018-0	LACTIC ACID	GHS 05	H314 H318	$0 \leq x \% < 2.5$
-	POLYMER	CARBOXYMETHYL ETHER, SODIUM SALT	GHS 05	H315 H318	$0 \leq x \% < 2.5$

Identification	Specific concentration limits	ATE
50-21-5 LACTIC ACID		oral: ATE = 3540 mg/kg BW

(Full text of H-phrases: see section 16)

SECTION 4 – FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of swallowing	Seek medical attention, showing the label.
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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

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction	Mist water, foam, dry powder, carbon dioxide (CO ₂). Do not use in case of electrical risks.
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5.2. Special hazards arising from the substance or mixture

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under sections 7 and 8.

For first aid worker	First aid workers will be equipped with suitable personal protective equipment (See section 8).
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6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

6.3. Methods and material for containment and cleaning up

Pure product spilled on the floor can make it slippery
Clean preferably with water.

6.4. Reference to other sections

No data available.

SECTION 7 – HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Insure an adequate ventilation, especially in the closed places.

Fire prevention	Prevent access by unauthorised personnel. Manipulate in well ventilated zones.
Recommended equipment and procedures	For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. The begun packagings must be carefully closed and kept in vertical position.
Prohibited equipment and procedures	Do not drink/eat during the use of the product.

7.2. Conditions for safe storage, including any incompatibilities

No data available

Storage	Keep out of reach of children. Avoid: cold, frost, heat, exposure to direct sunlight. Biocidal product: Keep the well closed container in a dry and well ventilated place, shielded from the frost.
Packaging	Always keep in the original packaging.

7.3. Specific end use(s)

No data available

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available

8.2. Exposure controls

Personal protection measures, such as personal protective equipment	Do not eat, drink or smoke during the use of the product. Remove and wash contaminated clothing before re-using. Insure an adequate ventilation, especially in confined areas.
Eye / face protection	Avoid contact with eyes.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state	Fluid liquid
Odour	Neutral
Color	Colourless

Important health, safety and environmental information:

pH	2.80 +/- 0.5 Slightly acidic
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Boiling point/boiling range	Not specified.
Flash point interval	Not relevant.
Vapour pressure (50°C)	Not relevant.
Density	= 1 +/- 0.02
Water solubility	Dilutable.
Viscosity	< 50 mPa.s
Melting point/melting range	Not specified.
Self-ignition temperature	Not specified.
Decomposition point/decomposition range	Not specified.

9.2. Other information

No data available

SECTION 10 – STABILITY AND REACTIVITY

10.1. Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4. Conditions to avoid

Avoid :

- frost
- heat
- cold

10.5. Incompatible materials

Do not mix with other products.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No data available.

11.1.1. Substances

LACTIC ACID (CAS No. 50-21-5)

Oral route	LD50 = 3450 mg/kg
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11.1.2. Mixture

Serious damage to eyes/eye irritation	The mixture is not classified on the basis of the criteria set out in Regulation (EU) n°1272/2008 and its amendments
Skin corrosion/skin irritation	The mixture is not classified according to criteria defined in Regulation (EC) n°1272/2008 and its amendments.

SECTION 12 – ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

The surfactants contained in this preparation respect completely the criteria of biodegradability defined by the regulation n° 648/2004 concerning cleaning products (> 60% ultimate biodegradability according to OCDE 301B).

12.3. Bioaccumulative potential

Non bioaccumulable mixture.

12.4. Mobility in soil

Strong mobility in the ground.

12.5. Results of PBT and vPvB assessment

Non-persistent mixture.
Non bioaccumulable mixture.
Non toxic mixture.

12.6. Other adverse effects

No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Biocidal product: Avoid direct release of the unused product into the sewage system or the environment.

Waste	Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Soiled packaging	Empty completely the container and rinse with water. Keep the label on the container. The container can be then eliminated as a non-hazardous waste. The residual product must be eliminated according to the directive 2008/98/CE.

SECTION 14 – TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1 UN Number

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14.2. UN proper shipping name

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14.3. Transport hazard class(es)

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14.4. Packing group

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14.5. Environmental hazards

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14.6. Special precautions for user

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

Classification and labelling information included in section 2	The following regulations have been used: - EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13) - EU Regulation No. 1272/2008 amended by EU Regulation No. 2019/521 (ATP 12)
Container information	No data available.
Particular provisions	No data available.

Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/CE)

Nom	CAS	%	Product-type
LACTIC ACID	50-21-5	17.51 g/kg	01

Product-type 1 : Human hygiene.

15.2. Chemical safety assessment

No data available

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.

Classification procedure: The mixture has been classified in accordance with the additivity rules defined by Regulation (EC) N° 1272/2008. If certain classification data on the mixture, or bridging principles or weight of evidence have been used, these information will be indicated in the relevant sections of the Safety Data Sheet (section 9 for the physical and chemical properties, section 11 for the toxicological information, section 12 for the ecological information)

Wording of the phrases mentioned in section 3 :

H315	Causes skin irritation.
H318	Causes serious eye damage.

Abbreviations

ADR	European agreement concerning the international carriage of dangerous goods by Road.
IMDG	International Maritime Dangerous Goods.
IATA	International Air Transport Association.
ICAO	International Civil Aviation Organisation
RID	Regulations concerning the International carriage of Dangerous goods by rail.
WGK	Wassergefährdungsklasse (Water Hazard Class).
PBT	Persistent, Bioaccumulative and Toxic.
vPvB	Very Persistent and very Bioaccumulative.
SVHC	Substance of Very High Concern.