



Milton® Antibacterial Surface Wipes

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

1.1. Product identifier

Product name: Milton® Antibacterial Surface Wipes

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

Biocidal product. Product-types 02 and 04.

Antibacterial surfaces wipes

For professional and general public.

Type of formulation: others (XX)

Use descriptor system (REACH): No data available

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.

Flammable liquid	Category 2 (Flam. Liq. 2, H225).
Eye irritation	Category 2 (Eye Irrit. 2, H319).

2.2. Label elements

Biocidal mixture (see section 15).

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

Hazards pictograms:



Signal word: DANGER

Hazard statements:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
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.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to a waste container

2.3. Other hazards

The mixture does not contain 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 satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annex XIII of the REACH regulations EC 1907/2006.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Composition:

INDEX	CAS No.	EC No.	Hazardous ingredient(s)	Pictograms	Classification	% w/w
603-002-00-5	64-17-5	200-578-6	ETHANOL ⁽¹⁾	GHS 07 GHS 02	H225 H319	50 \leq x % < 100

Informations on ingredients:

(1) Substance for which maximum workplace exposure limits are available.

Other data: No data available

SECTION 4 – FIRST AID MEASURES

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

NEVER induce swallowing if the victim is unconscious.

4.1. Description of first aid measures

In the event of splashes or contact with eyes:	Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.
In the event of swallowing:	Seek medical attention, showing the label.

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

Specific and immediate treatment: Treat symptomatically.

Information for the doctor: No data available.

SECTION 5 – FIREFIGHTING MEASURES

Flammable.

5.1. Extinguishing media

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Keep packages near the fire cool, to prevent pressurized containers from bursting.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

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

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

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non-first aid worker	Avoid any contact with the skin and eyes.
For first aid worker	First aid workers will be equipped with suitable personal protective equipment (See section 8).

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.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

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

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention	<p>Handle in well-ventilated areas.</p> <p>Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.</p> <p>Prevent the accumulation of electrostatic charges with connections to earth.</p> <p>The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.</p> <p>Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.</p> <p>Keep packages tightly closed and away from sources of heat, sparks and naked flames.</p> <p>Do not use tools which may produce sparks. Do not smoke.</p> <p>Prevent access by unauthorised personnel.</p>
Recommended equipment and procedures	<p>For personal protection, see section 8.</p> <p>Observe precautions stated on label and also industrial safety regulations.</p> <p>Avoid eye contact with this mixture.</p>
Prohibited equipment and procedures	<p>No smoking, eating or drinking in areas where the mixture is used.</p>

7.2. Conditions for safe storage, including any incompatibilities

No data available

Storage	<p>Keep out of reach of children.</p> <p>Keep the container tightly closed in a dry, well-ventilated place.</p> <p>Keep away from all sources of ignition - do not smoke.</p> <p>Keep well away from all sources of ignition, heat and direct sunlight.</p> <p>Avoid accumulation of electrostatic charges.</p>
Packaging	<p>Always keep in packaging made of an identical material to the original.</p>

7.3. Specific end use(s)

No data available

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

-ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64-17-5	-	1000 ppm	-	A3	-

- Germany - AGW (BauA - TRGS 900, 21/06/2010):

CAS	VME:	VME:	Dépassement	Remarques
64-17-5	-	500 ppm 960 mg/m3	-	2(II)

- Australia (NOHSC:3008, 1995):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64-17-5	1000 ppm 1880 mg/m3	-	-	H	-

- Belgium (Order of 19/05/2009, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64-17-5	1000 ppm 1907 mg/m3	-	-	-	-

- France (INRS - ED984:2012):

CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/m3	Notes:	TMP N°:
64-17-5	1000	1900	5000	9500	-	84

- Switzerland (SUVA 2015):

CAS	VME	VLE:	Valeur plafond	Notations
64-17-5	500 ppm 960 mg/m3	1000 ppm 1920 mg/m3	-	SSC

- UK / WEL (Workplace exposure limits, EH40/2005, 2007):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64-17-5	1000 ppm 1920 mg/m3	-	-	-	-

8.2. Exposure controls

Personal protection measures, such as personal protective equipment	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
Eye / face protection	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes Before handling, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.
Hand protection	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties: - Impervious gloves in accordance with standard EN374
Body protection	Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state	Fluid liquid
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Important health, safety and environmental information:

pH (aqueous solution)	5.25
pH	Not relevant.
Boiling point/boiling range	> 35°C
Flash point	22.00 °C
Vapour pressure (50°C)	Below 110 kPa (1.10 bar).
Density	env. 0.87
Water solubility:	Insoluble.

These data refer to the impregnation solution.

9.2. Other information

No data available

SECTION 10 – STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

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 data available.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials

No data available.

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

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixtures

No toxicological data available for the mixture.

SECTION 12 – ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

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

Do not pour into drains or waterways.

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 container completely. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14 – TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2016).

14.1 UN Number

3175

14.2. UN proper shipping name

UN3175=SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (ethanol)

14.3. Transport hazard class(es)

- Classification:

4.1

14.4. Packing group

II

14.5. Environmental hazards

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14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	4.1	F1	II	4.1	40	1 kg	216 274 601	E2	2	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	4.1	-	II	1 kg	F-A,S-I	216 274	E2

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	Note	EQ
	4.1	-	II	445	15 kg	448	50 kg	A46	E2
	4.1	-	II	Y441	5 kg	-	-	A46	E2

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.
For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

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

Classification and labelling information included in section 2	The following regulations have been used: - Regulation EC 1272/2008 and its adaptations.								
Container information	Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).								
Labelling of biocidal products	<table border="1"> <thead> <tr> <th>Name</th> <th>CAS</th> <th>%</th> <th>Product-type</th> </tr> </thead> <tbody> <tr> <td>ETHANOL</td> <td>64-17-5</td> <td>660.10 g/kg</td> <td>02 04</td> </tr> </tbody> </table> <p>Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals. Product-type 4: Food and feed area.</p>	Name	CAS	%	Product-type	ETHANOL	64-17-5	660.10 g/kg	02 04
Name	CAS	%	Product-type						
ETHANOL	64-17-5	660.10 g/kg	02 04						
Particular provisions	No data available.								

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.

Wording of the phrases mentioned in section 3:

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation.

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).
GHS02	Flame
GHS07	Exclamation mark
PBT	Persistent, bioaccumulable and toxic.
vPvB	Very persistent, very bioaccumulable.
SVHC	Substances of very high concern.