



# Milton® Antibacterial Surface Wipes

(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 Surface Wipes  
 UFI : P9YW-W8WY-F00R-KTM6

### 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](mailto:fds@labo-rivadis.fr)  
<https://www.milton-tm.com/en>

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](mailto: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	<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>
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.

<b>Flammable liquid</b>	Category 2 (Flam. Liq. 2, H225).
<b>Eye irritation</b>	Category 2 (Eye Irrit. 2, H319).

**Adverse physicochemical, human health and environmental effects**

Highly flammable liquid and vapour. Causes serious eye irritation.

**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:

<b>H225</b>	Highly flammable liquid and vapour.
<b>H319</b>	Causes serious eye irritation.

Precautionary statements:

<b>P102</b>	Keep out of reach of children.
<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<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>P312</b>	Call a POISON CENTER/doctor/... if you feel unwell.
<b>P337 + P313</b>	If eye irritation persists: Get medical advice/attention.
<b>P501</b>	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 fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

**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
-	64-17-5	200-578-6	ETHANOL <sup>(1)</sup>	GHS 02 GHS 07	H225 H319	50 $\leq$ x % < 100
603-117-00-0	67-63-0	200-661-7	PROPAN-2-OL <sup>(1)</sup>	GHS 02 GHS 07	H225 H319 H336	2.5 $\leq$ x % < 10

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

Informations on ingredients:

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

Other data: No data available

**SECTION 4 – FIRST AID MEASURES****4.1. Description of first aid measures**

<b>First-aid measures after inhalation</b>	Remove person to fresh air and keep comfortable for breathing.
<b>First-aid measures after eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

<b>First-aid measures after ingestion</b>	Call a poison center or a doctor if you feel unwell.
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#### 4.2. Most important symptoms and effects, both acute and delayed

Eye irritation.

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

Treat symptomatically.

## SECTION 5 – FIREFIGHTING MEASURES

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray. Dry powder. Foam. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

<b>Fire hazard</b>	Highly flammable liquid and vapour.
<b>Hazardous decomposition products in case of fire</b>	Toxic fumes may be released.

### 5.3. Advice for firefighters

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

<b>Emergency procedures</b>	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with eyes.
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#### 6.1.2. For emergency responders

<b>Protective equipment</b>	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment.

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

<b>Methods for cleaning up</b>	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
<b>Other information</b>	Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7 – HANDLING AND STORAGE

### 7.1. Precautions for safe handling

<b>Precautions for safe handling</b>	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with eyes.
<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Technical measures</b>	Ground/bond container and receiving equipment.
<b>Storage conditions</b>	Store in a well-ventilated place. Keep cool. Keep container tightly closed.
<b>Storage temperature</b>	4 – 40 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

- UK / WEL (EH40/2005 (Fourth edition, 2020). HSE):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64-17-5	1000 ppm 1920 mg/m <sup>3</sup>	- -	-	-	-
67-63-0	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>	-	-	-

#### 8.1.2. Recommended monitoring procedures

No data available.

#### 8.1.3. Air contaminants formed

No data available.


#### 8.1.4. DNEL and PNEC

No data available.

#### 8.1.5. Control banding

No data available.

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Ensure good ventilation of the work station.
<b>Personal protective equipment symbol(s)</b>	
<b>Eye protection</b>	Avoid contact with eyes
<b>Skin and body protection</b>	Wear suitable protective clothing
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment
<b>Thermal hazards</b>	No additional information available
<b>Environmental exposure controls</b>	Avoid release to the environment.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

General information:

<b>Physical state</b>	Liquid
<b>Odor</b>	Alcoholic
<b>Color</b>	Colourless

Important health, safety and environmental information:

<b>pH</b>	7.5 – 9 The data refer to the impregnation solution (pH solution concentration : 100%)
<b>Boiling point/boiling range</b>	> 35°C The data refer to the impregnation solution
<b>Flash point</b>	21 – 23 °C The data refer to the impregnation solution
<b>Relative density</b>	0.854 - 0.874 The data refer to the impregnation solution

### 9.2. Other information

No data available

#### 9.2.1. Information with regard to physical hazard classes

No data available

#### 9.2.2. Other safety characteristics

No data available.

## SECTION 10 – STABILITY AND REACTIVITY

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.1 Substances

##### ALCOHOL (CAS: 64-17-5)

Oral route :	LD50 = 6200 mg/kg Species : rat LD50 : 10470 mg/kg bodyweight
Dermal route :	LD50 : 15800 mg/kg bodyweight
Inhalation (Dust/Mist) :	LC50>99999 mg/l Species : rat

##### ISOPROPYL ALCOHOL (CAS: 67-63-0)

Oral route :	LD50 = 4710 mg/kg Species : rat LD50 : 4396 mg/kg bodyweight
Dermal route :	LD50 : 12800 mg/kg bodyweight
Inhalation (Dust/Mist) :	LC50>46600 mg/l Species : rat
STOT-single exposure :	May cause drowsiness or dizziness.

#### 11.1.2. Mixture

Causes serious eye irritation.

## SECTION 12 – ECOLOGICAL INFORMATION

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

### 12.1. Toxicity

#### 12.1.1 Substances

##### ALCOHOL (CAS: 64-17-5)

Fish toxicity :	LC50 = 8140 mg/l
Crustacean toxicity :	EC50 = 12340 mg/l
Other aquatic organisms :	EC50 : 275 mg/l EC50 : 5012 mg/l waterflea
Algae toxicity :	ErC50 = 275 mg/l

##### ISOPROPYL ALCOHOL (CAS: 67-63-0)

Fish toxicity :	LC50 = 1400 mg/l
Crustacean toxicity :	EC50 = 2285 mg/l
Other aquatic organisms :	EC50 > 1000 mg/l EC50 : 13299 mg/l waterflea
Algae toxicity :	ErC50 >100 mg/l

#### 12.1.2. Mixture

No aquatic toxicity data available for the mixture.

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

##### ALCOHOL (CAS: 64-17-5)

Partition coefficient n-octanol/water	log Pow = -0,32
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ISOPROPYL ALCOHOL (CAS: 67-63-0)  
Partition coefficient n-octanol/water

log Pow = 0,05

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Endocrine disrupting properties

No data available.

#### 12.7. Other adverse effects

No data available.

### SECTION 13 – DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

<b>Waste treatment methods</b>	Dispose of contents/container in accordance with licensed collector's sorting instructions.
<b>Product/Packaging disposal recommendations</b>	A licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
<b>Additional information</b>	Flammable vapours may accumulate in the container.
<b>HP Code</b>	<p>HP3 - "Flammable:"</p> <ul style="list-style-type: none"> <li>– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point &gt; 55 °C and ≤ 75 °C;</li> <li>– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;</li> <li>– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;</li> <li>– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;</li> <li>– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.</li> </ul> <p>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.</p>

### 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 2021 - IMDG 2020 - ICAO/IATA 2021).

#### 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, propan-2-ol)

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



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	Stowage Handling	Segregation	

	4.1	-	II	1 kg	F-A,S-I	216 274	E2	Category B	-
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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 IMO instruments

No data available.

## SECTION 15 – REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>REACH Annex XVII (Restriction List)</b>	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)								
<b>REACH Annex XIV (Authorisation List)</b>	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)								
<b>REACH Candidate List (SVHC)</b>	Contains no substance(s) listed on the REACH Candidate List								
<b>PIC Regulation (Prior Informed Consent)</b>	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)								
<b>POP Regulation (Persistent Organic Pollutants)</b>	Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)								
<b>Ozone Regulation (1005/2009)</b>	Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)								
<b>Biocide Regulation (528/2012)</b>	<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						
<b>Explosives Precursors Regulation (2019/1148)</b>	Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)								
<b>Drug Precursors Regulation (273/2004)</b>	Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)								

### 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:

<b>H225</b>	Highly flammable liquid and vapour.
<b>H319</b>	Causes serious eye irritation.
<b>H336</b>	May cause drowsiness or dizziness.

### Abbreviations

<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADR</b>	European agreement concerning the international carriage of dangerous goods by Road.
<b>ATE</b>	Acute Toxicity Estimate
<b>BCF</b>	Bioconcentration factor
<b>BLV</b>	Biological limit value

<b>BOD</b>	Biochemical oxygen demand (BOD)
<b>COD</b>	Chemical oxygen demand (COD)
<b>DMEL</b>	Derived Minimal Effect level
<b>DNEL</b>	Derived-No Effect Level
<b>EC-No.</b>	European Community number
<b>EC50</b>	The effective concentration of substance that causes 50% of the maximum response.
<b>EN</b>	European Standard
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association.
<b>IMDG</b>	International Maritime Dangerous Goods.
<b>LC50</b>	The concentration of a test substance resulting in 50% lethality in a given period.
<b>LD50</b>	The dose of a test substance resulting in 50% lethality in a given time period.
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>NOAEC</b>	No-Observed Adverse Effect Concentration
<b>NOAEL</b>	No-Observed Adverse Effect Level
<b>NOEC</b>	No-Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulable and toxic
<b>PNEC</b>	Predicted No-Effect Concentration
<b>RID</b>	Regulations concerning the International carriage of Dangerous goods by rail.
<b>STP</b>	Sewage treatment plant
<b>ThOD</b>	Theoretical oxygen demand (ThOD)
<b>TLM</b>	Median Tolerance Limit
<b>VOC</b>	Volatile Organic Compounds
<b>CAS-No.</b>	Chemical Abstract Service number
<b>N.O.S.</b>	Not Otherwise Specified
<b>vPvB</b>	Very persistent, very bioaccumulable.
<b>SVHC</b>	Substance of Very High Concern
<b>ED</b>	Endocrine disrupting properties