

**PREVANTICS - SWAB2HUB CLOREX2% MD**



**SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

**1.1. Product identifier**

Product name: PREVANTICS - SWAB2HUB CLOREX2% MD

**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: PROFESSIONAL DISPOSABLES INTERNATIONAL LTD (PDI)

Address: ABER PARK, FLINT - FLINTSHIRE - CH6 5EX - UNITED KINGDOM

Telephone: +44 (0) 1352 736 700 Fax: +44 (0) 1352 736 823

sales@pdi-hc.co.uk

www.pdihc.com/international

**1.4. Emergency telephone number: 0044 (0) 1352 736 700**

Association/Organisation: PROFESSIONAL DISPOSABLES INTERNATIONAL LTD (PDI) - Mon/Fri 9:00/12:30 A.M.-2:00/4:30 P.M.

**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 3 (Flam. Liq. 3, H226).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

**2.2. Label elements**

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

Hazard pictograms :



GHS07



GHS09



GHS02

Signal Word :

WARNING

Product identifiers :

603-117-00-0 PROPAN-2-OL

Hazard statements :

H226

Flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements - General :

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P273	Avoid release to the environment.
Precautionary statements - Response :	
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.
P314	Get medical advice/attention if you feel unwell.
Precautionary statements - Disposal :	
P501	Dispose of contents/container as hazardous waste.

**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.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

Identification	(EC) 1272/2008	Note	%
INDEX: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	50 $\leq$ x % < 100
PROPAN-2-OL CAS: 18472-51-0 EC: 242-354-0 REACH: 01-2119946568-22	GHS05, GHS09 Dgr Eye Dam. 1, H318 Aquatic Acute 1, H400 M Acute = 10		0 $\leq$ x % < 2.5
D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMIN O-2,4,11,13-TETRAAZATETRADECANEDIA MIDINE (2:1)	Aquatic Chronic 1, H410 M Chronic = 1		
CAS: 56-81-5 EC: 200-289-5		[1]	0 $\leq$ x % < 2.5
PROPANETRIOL 1,2,3			

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

**Information on ingredients :**

[1] Substance for which maximum workplace exposure limits are 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 by an unconscious person.

**4.1. Description of first aid measures**

**In the event of exposure by inhalation :**

Move the person away from the place of exposure and take him/her outside.

In the event of respiratory problems (e.g. heavy coughing):

Put the person in a half-seated position, with the torso raised ; keep the person warm and calm.

Call a doctor immediately.

**In the event of splashes or contact with eyes :**

If applicable, remove contact lenses.

Wash thoroughly with soft clean water for 15 minutes, holding the eyelids open.

Take care not to introduce rinsing water in the undamaged eye.

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Additional treatment to be provided immediately in an eye clinic or by an ophthalmologist.  
Continue rinsing until medical advice is obtained.

**In the event of splashes or contact with skin :**

In the event of skin irritation, seek medical advice.

**In the event of swallowing :**

Rinse out the mouth, do not allow to drink, do not induce vomiting. Calm the person down and transfer immediately to hospital or doctor.  
Show the label to the doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

Cf. § 11

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

Refer to the recommendation of the doctor.

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**SECTION 5 : FIREFIGHTING MEASURES**

Move oxidising products away from the fire.  
Move any flammable materials away from the fire.

**5.1. Extinguishing media**

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

**Suitable methods of extinction**

Use powder or foam extinguishers.

**Unsuitable methods of extinction**

In the event of a fire, do not use :  
- water jet

**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.

**5.3. Advice for firefighters**

Use autonomous insulating breathing apparatus and a full protective suit.

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**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**

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.  
Avoid inhaling the vapors.  
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**

Absorb any spilled product with absorbent non-combustible materials, and sweep away or remove with a shovel. Put any waste in drums for disposal. Do not mix with any other waste. Wash the contaminated surface thoroughly with water.  
Do not collect the product for re-use.

**6.4. Reference to other sections**

Disposal considerations: see section 13.

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**SECTION 7 : HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

- Always wash hands after handling.
- Remove and wash contaminated clothing before re-using.
- Product for external use - do not swallow.
- Follow instructions with regard to conditions of use.

**Fire prevention :**

- Handle in well-ventilated areas.
- Keep packages tightly closed and away from sources of heat, sparks and naked flames.
- Do not use tools which may produce sparks. Do not smoke.
- Prevent access by unauthorised personnel.
- Keep away from flammable materials

**Recommended equipment and procedures :**

- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations.
- Avoid eye contact with this mixture.
- Packages which have been opened must be reclosed carefully and stored in an upright position.
- Water source nearby.

**Prohibited equipment and procedures :**

- No smoking, eating or drinking in areas where the mixture is used.
- Never open the packages under pressure.

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

- Keep out of the reach of children
- Keep the container tightly closed
- Do not use after the expiry date mentioned on the packaging.
- Recommended storage temperature: from +5°C to +30°C.
- Keep in the original container only, in a cool and well-ventilated place, away from all sources of ignition, heat and direct sunlight.

**Storage**

- Keep the container tightly closed in a dry, well-ventilated place.
- Keep away from all sources of ignition - do not smoke.

**Packaging**

- Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

- For professional use only
- Refer to paragraph 1 for product indication

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits :**

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	VME :	Excess	Notes
67-63-0		200 ppm 500 mg/m <sup>3</sup>		2(II)
56-81-5		200 E mg/m <sup>3</sup>		2(I)

- Belgium (Arrêté du 09/03/2014, 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1000 mg/m <sup>3</sup>			
56-81-5	10 mg/m <sup>3</sup>				

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- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
67-63-0	-	-	400	980	-	84
56-81-5	-	10	-	-	-	-

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), 2017) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1000 mg/m <sup>3</sup>		VLB®, s	
56-81-5	10 mg/m <sup>3</sup>				

- Poland (2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	900 mg/m <sup>3</sup>	1200 mg/m <sup>3</sup>			
56-81-5	10 mg/m <sup>3</sup>				

- Czech Republic (Regulation No. 361/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	500 mg/m <sup>3</sup>	1000 mg/m <sup>3</sup>		I	
56-81-5	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>			

- Slovakia (Règlement 300/2007, 471/2011 23/11/2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1 000 mg/m <sup>3</sup>			
56-81-5	10 mg/m <sup>3</sup>				

- Switzerland (SUVAPRO 2017) :

CAS	VME	VLE	Valeur plafond	Notations
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1000 mg/m <sup>3</sup>		B SSC
56-81-5	50 i mg/m <sup>3</sup>	100 i mg/m <sup>3</sup>		SSC

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>			
56-81-5	- ppm 10 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>			

## 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.

#### - Eye / face protection

Make safety goggles with side protection available to the personnel.

Provide eye washes in workshops.

If necessary, the nearest water supply

#### - Hand protection

Type of gloves recommended :

- PVC (polyvinyl chloride)

Not applicable.

#### - Body protection

HEALTH MEASURES:

Do not eat, drink or smoke during use.

#### - Respiratory protection

Avoid breathing vapours.

If the ventilation is insufficient, wear appropriate breathing apparatus.

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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**General information :**

Physical state :	Fluid liquid.
Colour:	colourless
Odour:	typical of alcohol

**Important health, safety and environmental information**

pH :	Not relevant.
Boiling point/boiling range :	Not specified.
Flash Point :	33.00 °C.
Vapour pressure (50°C) :	Not relevant.
Density :	= 1
Water solubility :	Soluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

**9.2. Other information**

No data available.

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**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No hazardous reaction if the instructions/indications for storage and handling are respected.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

Cf. § 10.1 and 10.2

**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**

Do not mix with other products.

**10.6. Hazardous decomposition products**

At high temperatures, dangerous decomposition products may be produced, such as fumes, carbon dioxide and carbon monoxide, nitrogen oxide.

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**SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**11.1.1. Substances**

No toxicological data available for the substances.

**11.1.2. Mixture**

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**Acute toxicity :**

Inhalation may lead to irritation of the respiratory tracts.  
Sore throat, coughing, shortness of breath, respiratory failure  
Ingestion may lead to irritation of the buccal cavity.  
Risk of drowsiness and dizziness.

**Skin corrosion/skin irritation :**

Product not classified in this hazard category.

**Serious damage to eyes/eye irritation :**

Burns, characterized by discomfort or pain, excessive blinking, lacrimation and redness, swelling of the conjunctiva.

**Respiratory or skin sensitisation :**

Product not classified in this hazard category.

**Germ cell mutagenicity :**

Product not classified in this hazard category.

**Carcinogenicity :**

Product not classified in this hazard category.

**Reproductive toxicant :**

Product not classified in this hazard category.

**Specific target organ systemic toxicity - single exposure :**

Risk of drowsiness and dizziness.

**Specific target organ systemic toxicity - repeated exposure :**

Product not classified in this hazard category.

**Aspiration hazard :**

Product not classified in this hazard category.

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**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.1. Mixtures**

Acute toxicity:  
Very toxic to aquatic organisms.  
Chronic toxicity:  
Toxic to aquatic life with long lasting effects.

**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.

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**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 eliminate according to legislation in force.

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**Soiled packaging :**

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

**Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :**

18 01 06 \* chemicals consisting of or containing dangerous substances

For information :

18 = Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)

The waste code must be determined by the user, according to the application of the product.

The following waste code is given for indicative purposes only.

**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 2017 - IMDG 2016 - ICAO/IATA 2017).

**14.1. UN number**

1987

**14.2. UN proper shipping name**

UN1987=ALCOHOLS, N.O.S.

(propan-2-ol)

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

- Classification :

3

**14.4. Packing group**

III

**14.5. Environmental hazards**

- Environmentally hazardous material :



**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	274 601	E1	3	D/E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	3	-	III	5 L	F-E,S-D	223 274	E1			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	3	-	III	355	60 L	366	220 L	A3 A180	E1	
	3	-	III	Y344	10 L	-	-	A3 A180	E1	

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) No. 1272/2008 and its amendments.



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**- Container information:**

No data available.

**- Particular provisions :**

No data available.

**15.2. Chemical safety assessment**

To be translated (XML)

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**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.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture.

It is recommended that the information contained in this safety data sheet is provided to the users, if necessary in an appropriate form.

This information relates to the specifically designated product and may not be valid in combination with any another product. The product must not be used for applications other than those specified in heading 1 without having first obtained written handling instructions.

**UPDATES SINCE PREVIOUS VERSION**

- § 1
- § 2
- § 3
- § 8
- § 10
- § 11
- § 12

**Wording of the phrases mentioned in section 3 :**

H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**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.

GHS02 : Flame

GHS07 : Exclamation mark

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.