

# HEPBURN DISINFECTANT CLEANER



SAFETY DATA SHEET (according to Regulation (EC) No 1907/2006)

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier: **Hepburn Disinfectant Cleaner**
- 1.2 *Relevant identified uses of the substance or mixture:* Industrial user  
*Uses advised against:* Other uses than those recommended *Revision date:* 26/03/2020  
Version: 1
- 1.3 *Details of the supplier of the safety data sheet:* **Hepburn Bio Care UK Ltd**  
  
*Address:* **Ashwood House,  
8, Ashwood Gardens,  
Southampton SO16 7LF  
United Kingdom**  
  
*email :* info@hepburnbiocare.com
- 1.4 *Emergency telephone number:* +44(0) 2380 71 00 44

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Spanish Health Ministry** (in accordance with Regulation (EC) No 1272/2008)

Skin corrosion/irritation, Hazard Category 1B  
Long-term (chronic) aquatic hazard, category chronic 3  
Acute aquatic hazard Category 1

### 2.2 Label elements



**Signal word: Danger**

Contains: ethoxylated alcohols, ethanolamine, didecyldimethylammonium chloride

Hazard Statements:

H314: Causes severe skin burns and eye damage.  
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P280+P363: Wear protective gloves/protective clothing/eye protection/face protection. Clean contaminated clothing before reuse.  
P273: Avoid release to the environment.  
P391: Collect spillage.  
P501: Dispose of contents/container to an approved waste disposal plant in accordance with local regulation.

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## 2.3 Other hazards

Not available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Concentration	EC number / REACH Registration number	CAS	Chemical name	Hazard Class and Category Code; Hazard statement codes
≥5% and <10%	- / -	68439-46-3	Ethoxylated Alcohols	Acute Tox. 4;H302- Eye Dam. 1;H318 <sup>[1]</sup>
≥5% and <10%	205-483-3 / 01-2119486455-28-xxxx	141-43-5	Ethanolamine	Acute Tox. 4;H302- Acute Tox. 4;H312- Acute Tox. 4;H332- Skin Corr. 1B;H314- Eye Dam. 1;H318- STOT SE 3;H335 <sup>[1],[2]</sup>
≥5% and <10%	230-525-2 / -	7173-51-5	Didecyltrimethylammonium chloride	Acute Tox. 3;H301- Skin Corr. 1B;H314- Eye Dam. 1;H318- Aquatic Acute 1;H400 <sup>[1]</sup>
≥1% and <5%	200-661-7 / 01-2119457558-25-xxxx	67-63-0	Propan-2-ol	Flam. Liq. 2;H225- Eye Irrit. 2;H319- STOT SE 3;H336 <sup>[1]</sup>

[1] Substance classified with a health or environmental hazard.

[2] Substances for which Union workplace exposure limits have been assigned.

\* There are components with Specific Concentration Limits. See Section 15.

See section 16 for the full text of the Hazard statement codes declared above.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Consumption:	If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Keep the person at rest. Do NOT induce vomiting.
Eye contact:	Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water and seek medical advice.
Inhalation:	Remove person to fresh air and keep at rest.
Skin contact:	Remove contaminated clothing. Wash skin with mild soap and water, rinse abundantly. If symptoms persist, obtain medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed:

Read label before use. No additional information available.

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

Not available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

Carbon dioxide, dry chemical powder or appropriate foam.

For safety reasons do not use full water jet.

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

Not applicable.

### 5.3 Advice for firefighters:

In case of fire in the surrounding area, follow the recommendations below:

1-Closed containers may build up pressure at elevated temperatures.

2-Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.

3-Prevent run-off from fire fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

Wear appropriate gloves to prevent skin exposure.

Avoid breathing vapours. Use a suitable respiratory apparatus if necessary. Avoid contact with eyes and skin.

Maintain adequate ventilation in the working area after spilling.

### 6.2 Environmental precautions:

Avoid contaminating the environment via the sewers or water sources.

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

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Ventilate area and wash spill site after material pickup is complete.

Dispose of in accordance with current laws and regulations.

### 6.4 Reference to other sections:

See also sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling:

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

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

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

Keep away from incompatible substances (see section 10).

### 7.3 Specific end use(s):

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational Exposure Limits:

United Kingdom			
Substance	Long-term exposure limit (8-hour TWA reference period)	Short-term exposure limit (15-minute reference period)	Notation
Propan-2-ol	999 mg/m <sup>3</sup>	1250 mg/m <sup>3</sup>	-
Ethanolamine	2.5 mg/m <sup>3</sup>	7.6 mg/m <sup>3</sup>	Sk
European Union			

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Name of agent	Limit value - 8 hours	Limit value - Short term	Notation
Ethanolamine	2.5 mg/m <sup>3</sup>	7.6 mg/m <sup>3</sup>	Skin

Derived no-effect level (DNEL):

No data available

Predicted No Effect Concentration (PNEC):

No data available

## 8.2 Exposure controls

Personal protection equipment:	Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425.
Engineering Controls-Ventilation:	The areas where the product is handled and stored should be adequately ventilated.
Respiratory Protection:	Use personal breathing apparatus whenever deemed necessary.
Skin Protection:	Avoid contact with skin. Wear suitable gloves (EN 374).
Eye/Face protection:	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Transparent liquid
Colour:	Pink
Odour:	N/A
Odour threshold:	N/A
pH value:	12.2 - 12.8 (20 °C)
Evaporation rate:	N/A
Melting point:	N/A
Boiling point:	N/A
Flash point:	> 100 °C
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Density:	1.005 - 1.015 g/cm <sup>3</sup> (20 °C)
Water solubility:	N/A
Partition coefficient: n-octanol/water:	N/A
Viscosity:	N/A
Kinematic viscosity:	N/A

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Oxidising properties:	N/A
Explosive properties:	N/A
Lower explosive limit:	N/A
Upper explosive limit:	N/A
Refractive Index:	N/A
Optical Rotation:	N/A

- 9.2 Other information:  
Not applicable.

## SECTION 10: Stability and reactivity

10.1 Reactivity:	Not available.
10.2 Chemical stability:	Stable under normal operating conditions.
10.3 Possibility of hazardous reactions:	
Hazardous Polymerization:	It does not undergo any dangerous reactions under normal conditions.
10.4 Conditions to avoid:	Handle in accordance with good industrial hygiene and safety practice.
10.5 Incompatible materials:	None known
10.6 Hazardous decomposition products:	Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

## SECTION 11: Toxicological information

- 11.1 Information on toxicological effects

See also sections 2 and 3.

No toxicological information is available on the product itself.

Acute toxicity:	This mixture meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Skin corrosion/irritation:	This mixture meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Serious eye damage/irritation:	This mixture meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Respiratory or skin sensitisation:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Germ cell mutagenicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Carcinogenicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-single exposure:	This mixture meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

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## SECTION 12: Ecological information

### 12.1 Toxicity

Acute aquatic toxicity: Not available.

### 12.2 Persistence and degradability:

All organic components in this product reach a 60% BOD and 70% COD reduction with the OCDE 301 A-F test of easy biodegradability in 28 days. Therefore the product is classified as readily biodegradable according to OCDE.

The surfactants that this product contains are agree with regulation (EC) n° 648/2004 of the European Parliament of 31 March 2004 on detergents.

### 12.3 Bioaccumulative potential:

Not available.

### 12.4 Mobility in soil:

Not available.

### 12.5 Results of PBT and vPvB assessment:

Not available.

### 12.6 Other adverse effects:

Do not allow the material to enter streams, sewers or other waterways.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods



Container disposal:

Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site.

Disposal conditions:

Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.





## SECTION 14: Transport information

International Carriage of Dangerous Goods by Road (ADR)	
UN No.:	UN3267
Proper Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Contains Ethanolamine, Didecyltrimethylammonium chloride)
Packing Group:	II
Class:	8
Tunnel restriction code:	(E)
Label:	  8
Sea Transport (IMDG)	
UN No.:	UN3267
Proper Shipping Name:	Corrosive liquid, basic, organic, n.o.s. (Contains Ethanolamine, Didecyltrimethylammonium chloride)
Packing Group:	II
Class:	8
Marine Pollutant:	Yes

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IMDG-Code segregation group:	18 - Álcalis
Label:	 
<b>Air Transport (ICAO/IATA)</b>	
UN No.:	UN3267
Proper Shipping Name:	Corrosive liquid, basic, organic, n.o.s. (Mixture of Ethanolamine, Didecyldimethylammonium chloride)
Packing Group:	II
Class:	8
Passenger aircraft:	ACCEPTED
Cargo aircraft:	ACCEPTED
Label:	 

## SECTION 15: Regulatory information

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

Substances are either included in EINECS, ELINCS, NLP inventories or exempted.

15.2 Chemical safety assessment:

Not available.

## SECTION 16: Other information

Text of hazard statement codes in section 3:

H225:	Highly flammable liquid and vapour.
H301:	Toxic if swallowed.
H302:	Harmful if swallowed.
H312:	Harmful in contact with skin.
H314:	Causes severe skin burns and eye damage.
H318:	Causes serious eye damage.
H319:	Causes serious eye irritation.
H332:	Harmful if inhaled.
H335:	May cause respiratory irritation.
H336:	May cause drowsiness or dizziness.
H400:	Very toxic to aquatic life.

This material should only be used for industrial purposes.

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC)

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No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

3. EH40/2005. Workplace exposure limits with amendments.

Reg. N° for biocide producer CYGYC BIOCON, S. L. B-0146-E

Reason for Change: First version.

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