



SAFETY DATA SHEET

In accordance with REACH Regulation EC No. 1907/2006
as amended by EC 453/2010



Product:

EcoClenz Anti-Bacterial Hand Gel

Version: Version 3
Supersedes: Version 2: dated 01/01/2014

Date: 07/04/2015
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier EcoClenz Anti-Bacterial Hand Gel

Other means of identification HG50 / HG250 / HG500

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

Uses: Disinfection of hands effective against MRSA, C-DIFF & H1N1

Not to be used for:

1.3 Details of the supplier of the Safety Data Sheet

Company Name: EcoTech (Europe) Limited

Address: EcoTech House
Falkland Close
Charter Avenue Industrial Estate
Coventry
West Midlands
CV4 8AU
United Kingdom

Telephone: +44 (0)24 7647 1894

Fax: +44 (0)24 7647 4743

E-mail: sales@ecotech-europe.com

Web Site www.ecotech-europe.com

1.4 Emergency telephone number

Telephone: National Poisons Information Service (UK) +44 (0)844 8920111

SECTION 2: HAZARDS IDENTIFICATION



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2.1 Classification of the substance or mixture

67/548/EEC R10
Symbols:
Main Hazards Flammable.
- EC 1272/2008 Flam. Liq. 3: H226;



2.2 Label elements

Signal Word Warning

Hazard Statement **Flam. Liq. 3: H226 - Flammable liquid and vapour.**

Precautionary Statement: Prevention P102 - Keep out of reach of children.
P103 - Read label before use.
P233 - Keep container tightly closed.

Precautionary Statement: Response P101 - If medical advice is needed, have product container or label at hand.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
P370+P378 - In case of fire: Use for extinction.

Precautionary Statement: Storage Keep cool.



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Disposal compliance with local and national regulations.

2.3 Other hazards This product does not contain any PBT or VPvB substances.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethanol	603-002-00-5	64-17-5	200-578-6			F; R11
PROPANE-1,2-DIOL (Propane-1,2-diol total vapour and particulates)		57-55-6	200-338-0			
Cyclohexane	601-017-00-1	110-82-7	203-806-2			F; R11 Xn; R65 Xi; R38 R67 N; R50/53
2-Methylpropan-2-ol	603-005-00-1	75-65-0	200-889-7			F; R11 Xn; R20 Xi; R36/37

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethanol	603-002-00-5	64-17-5	200-578-6		1 – 10%	Flam. Liq. 2: H225;
PROPANE-1,2-DIOL (Propane-1,2-diol total vapour and particulates)		57-55-6	200-338-0			
Cyclohexane	601-017-00-1	110-82-7	203-806-2			Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Acute 1: H400;



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2-Methylpropan-2-ol 603-005-00-1 75-65-0 200-889-7
Aquatic
Chronic 1:
H410;
Flam. Liq. 2:
H225; Acute
Tox. 4: H332;
Eye Irrit. 2:
H319; STOT
SE 3: H335;

3.2 Mixtures See section 3.1 for further information.

Further information For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Considered to be not hazardous by inhalation. Seek medical attention if irritation or symptoms persist.

Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Skin contact No irritation expected. Seek medical attention if irritation or symptoms persist.

Ingestion Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation No specific symptoms noted.

Eye contact May cause irritation to eyes.

Skin contact No specific symptoms noted.

Ingestion No specific symptoms noted.

4.3 Indication of any immediate medical attention and special treatment needed If you feel unwell, seek medical advice (show the label where possible). No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media Alcohol resistant foam. Carbon dioxide (CO₂). Use extinguishing media



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appropriate to the surrounding fire conditions.

- 5.2 Special hazards arising from the substance or mixture** Vapour may travel considerable distance to source of ignition and flash back.
- 5.3 Advice for firefighters** Wear protective gloves / protective clothing / eye protection / face protection. Wear suitable respiratory equipment when necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Large spillages are highly unlikely due to pack size.
- 6.2 Environmental precautions** Large spillages are highly unlikely due to small pack size. Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.
- 6.3 Methods and material for containment and cleaning up** Large spillages are highly unlikely due to small pack size. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Use of non-sparking tools and equipment where applicable.
- 6.4 Reference to other sections** For recommended personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** None
- 7.2 Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Do NOT allow to freeze.



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7.3 **Specific end use** Restricted to professional users.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Exposure Limit Values

2-Methylpropan-2-ol	WEL 8-hr limit ppm: 100 WEL 15 min limit ppm: 150	WEL 8-hr limit mg/m3: 308 WEL 15 min limit mg/m3: 462
Cyclohexane	WEL 8-hr limit ppm: 100 WEL 15 min limit ppm: 300	WEL 8-hr limit mg/m3: 350 WEL 15 min limit mg/m3: 1050
Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: -
PROPANE-1,2-DIOL (Propane-1,2-diol particulates)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: -
PROPANE-1,2-DIOL (Propane-1,2-diol total vapour and particulates)	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 474 WEL 15 min limit mg/m3: -

8.2 Exposure controls

8.2.1 Appropriate engineering Controls

Keep in a cool,
dry, well ventilated area.

8.2.2 Individual protection measures

None

8.2.3 Environmental exposure controls

Do not empty into drains. Do not flush into surface water. Prevent further spillage if safe.

8.2.3. Further information

Information valid at the time of review of safety data sheet.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|---|--|
| a Appearance: | Clear Colourless Gel |
| b Odour: | Unfragranced but characteristic alcoholic odour. |
| c Odour threshold: | Not available. |
| d pH: | 7.5 - 8.5 |
| e Melting point / freezing point: | Not available. |
| f Initial boiling point and boiling range: | Not available. |
| g Flash point: | 27°C. |
| h Evaporation rate: | Not available. |
| i Flammability (solid, gas): | Not applicable. |
| j Upper / lower flammability or explosive limits: | Not available. |
| k Vapour pressure: | Not available. |
| l Vapour density: | Not available. |
| m Relative density: | Not available. |
| n Solubility(ies): | Gel completely soluble / miscible with water. |
| o Partition coefficient: n-octanol / water: | Completely miscible with water |
| p Auto-ignition temperature: | Not available. |
| q Decomposition temperature: | Not available. |
| r Viscosity: | Not available. |
| s Explosive properties: | Not available. |
| t Oxidising properties: | Not available. |



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9.2 Other information None available.

SECTION 10: STABILITY AND REACTIVITY

10.1 **Reactivity** Avoid sparks, flames, heat and sources of ignition.

10.2 **Chemical Stability** Stable under normal conditions. Will not decompose if stored and used as recommended.

10.3 **Possibility of hazardous reactions** Strong acids and Strong bases. Strong oxidising agents.

10.4 **Conditions to avoid** Heat, sparks and open flames. Do NOT allow to freeze.

10.5 **Incompatible materials** Strong acids and Strong bases. Strong oxidising agents.

10.6 **Hazardous decomposition products** Combustion of the product will generate toxic fumes containing oxides of carbon may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Based on available data the classification criteria are not met.

Skin corrosion / irritation Based on available data the classification criteria are not met.

Serious eye damage / irritation May cause irritation to eyes.

Respiratory or skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity No mutagenic effects reported.

Carcinogenicity No carcinogenic effects reported.

Reproductive toxicity No teratogenic effects reported.

STOT-single exposure Not classified as a specific target organ toxicant after a single exposure.

STOT-repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard Based on available data the classification criteria are not met.

11.1.4 Toxicological Information



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2-Methylpropan-2-ol

Dermal Rat LD50: > 2000 mg/kg

Oral Rat LD50: 2.743 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity** No data available.
- 12.2 Persistence and degradability** and The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in the Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
- 12.3 Bio accumulative potential** No data available.
- 12.4 Mobility in soil** Soluble in water
- 12.5 Results of PBT and vPvB assessment** The product does not contain any PBT or vPvB substances.
- 12.6 Other adverse effects** Not known.

SECTION 13: DISPOSAL CONSIDERATION

- 13.1 Waste treatment methods** Contact a licensed waste disposal company. Dispose of as special waste in compliance with local and national regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

Hazard Pictograms



- 14.1 UN number** UN1170
- 14.2 UN proper shipping name** Ethanol Solution



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14.3	Transport hazard class(es)	
	ADR/RID	3
	Subsidiary Risk	-
	IMDG	3
	Subsidiary Risk	-
	IATA	3
	Subsidiary Risk	-
14.4	Packing group	III
14.5	Environmental hazards	No
	Marine Pollutant	No
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC Code	Not applicable.
	ADR/RID	
	Hazard ID	30
	Tunnel Category	(D/E)
	IMDG	
	EmS Code	F-E S-D
	IATA	
	Packaging Instruction (Cargo)	366
	Maximum quantity	220 L
	Packaging Instruction (Passenger)	355
	Maximum quantity	60 L

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations / legislation specific for the substance or mixture	Commission Directive 2000/39/EC of 8 June 2000 established a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and
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repealing Council Regulation (EEC) 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, including amendments. 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 with amendments. Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

15.2 Chemical safety assessment No assessment has been carried out.

SECTION 16: OTHER INFORMATION

Text of risk phrases in Section 3	R11 - Highly flammable. R20 - Harmful by inhalation. R36/37 - Irritating to eyes and respiratory system. R38 - Irritating to skin. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H332 - Harmful if inhaled. STOT SE 3: H335 - May cause respiratory irritation.
Glossary	ADR European Agreement concerning the International Carriage of Dangerous Goods by Road IATA International Air Transport Association IMDG International Maritime Dangerous Goods PBT Persistent, bio accumulative, toxic RID Convention concerning International Carriage by Rail vPvB very persistent, very bio accumulative STOT Specific Target Organ Toxicity WEL Workplace Exposure Limit.
General Information	No relevant information required
Further Information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the



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best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy, reliability or completeness. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. It is the user's responsibility to satisfy him/herself as to the suitability of such information for his / her own particular use.