

SAFETY DATA SHEET

Issuing date 13-Jun-2012

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Version 001

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

1.1 Product identifier

Product name HibiClens

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

Recommended Use Antimicrobial agent

Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Company Information Mölnlycke Health Care
2 Omega Drive
Irlam
M44 5BJ
United Kingdom

Telephone +44 (0) 161 777 2600

Fax +44 (0) 161 777 2601

For further information, please contact:

E-mail Address Antiseptics.UK@mölnlycke.com

1.4 Emergency telephone

Emergency telephone +44 (0) 161 621 2121 (9am-5pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi; R36 N; R50/53

2.2 Label elements



Xi - Irritant

N - Dangerous for the environment

R-phrases

R36 - Irritating to eyes

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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S-phrases(s)

S 2 - Keep out of the reach of children

S29 - Do not empty into drains

S61 - Avoid release to the environment. Refer to special instructions/ Safety data sheets

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

2.3 Other hazards

May cause skin irritation. May cause irritation of respiratory tract.

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.2 Mixtures.

Chemical Name	EC-No	CAS-No	w/w%	Classification (67/548/EEC)	Classification (EU Reg. 1272/2008)	REACH Registration Number
Chlorhexidine digluconate	242-354-0	18472-51-0	1-4	Xi; R41 N; R50/53	Eye Dam. 1 (H318) Acute Aquatic 1 (H400) Chronic Aquatic 1 (H410) GHS05, GHS09 (Dgr)	no data available
Isopropyl alcohol	200-661-7	67-63-0	1-4	F; R11 Xi; R36 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) GHS02, GHS07 (Dgr)	no data available

For the full text of R-phrases and H-Statements see Section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop obtain medical attention.
Skin contact	Wash off immediately with plenty of water. If symptoms develop obtain medical attention.
Ingestion	Wash out mouth with water and give 100 - 200 ml of water to drink. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms develop obtain medical attention.
Inhalation	Remove to fresh air and keep at a rest position. Administer oxygen if breathing is difficult and you are trained. If symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms	Irritating to eyes. Prolonged skin contact may cause skin irritation. Inhalation of vapors in high concentration may cause irritation of respiratory system: Headache, dizziness and loss of coordination.
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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable Extinguishing Media

Water spray, Dry chemical, Carbon dioxide (CO₂), Alcohol-resistant foam.

Extinguishing media which shall not be used for safety reasons

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Combustible material: If overheated, the product may release flammable vapours that can form explosive gas mixtures. Runoff may pollute waterways. Thermal decomposition can lead to release of irritating and toxic gases and vapours: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Ammonia.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Avoid breathing vapours or mists. Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Dike to collect large liquid spills. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use only non-sparking tools. Flush spillage area with plenty of water.

6.4 Reference to other sections

See section 8. Waste Disposal Methods: See also section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Wash thoroughly after handling. Use only in well-ventilated areas. Wear personal protective equipment.

Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Store at room temperature.

Store separately from incompatible materials: Oxidising agents. Anionic compounds.

7.3 Specific end use(s)

Antimicrobial agent.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Isopropyl alcohol 67-63-0
The United Kingdom	STEL: 500 ppm STEL: 1250 mg/m ³ TWA: 400 ppm TWA: 999 mg/m ³
France	VLCT: 400 ppm VLCT: 980 mg/m ³
Spain	VLA-EC: 400 ppm VLA-EC: 1000 mg/m ³ VLA-ED: 200 ppm VLA-ED: 500 mg/m ³
Germany	TWA: 200 ppm TWA: 500 mg/m ³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m ³
Portugal	STEL: 400 ppm TWA: 200 ppm
Finland	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³
Denmark	TWA: 200 ppm TWA: 490 mg/m ³
Austria	STEL 800 ppm STEL 2000 mg/m ³ MAK: 200 ppm MAK: 500 mg/m ³
Switzerland	STEL: 400 ppm STEL: 1000 mg/m ³ MAK: 200 ppm MAK: 500 mg/m ³
Poland	NDSCh: 1200 mg/m ³ NDS: 900 mg/m ³ Skin
Norway	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 150 ppm STEL: 306.25 mg/m ³
Ireland	TWA: 200 ppm STEL: 400 ppm Skin

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2 Exposure controls

Appropriate engineering controls Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment

Eye Protection

Safety glasses with side-shields (EN 166).

Hand Protection

Protective gloves (EN 374).

Skin and body protection

Wear suitable protective clothing; Protective shoes or boots.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment; (BS EN 14387:2004+A1).

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Avoid release to the environment. The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Odour	Fragrance
Colour	Pink
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks - Methods</u>
pH	5 - 6.5	
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range		No information available
Flash Point	64.4 °C / 148 °F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		isopropamol
upper flammability limit	12	
lower flammability limit	2	
Vapour pressure		No information available
Vapour density		No information available
Relative density	1.06	
Water solubility		Miscible
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Auto-ignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	Not explosive	
Oxidizing properties	Not applicable	

9.2 Other information

Softening point	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Density	No information available
Bulk Density	No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4 Conditions to avoid

High temperatures.

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10.5 Incompatible materials

Oxidizing agents. Anionic compounds.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapours: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NOx). Ammonia.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Chlorhexidine digluconate	> 2 g/kg (Rat)	> 5000 mg/kg (Rabbit)	

Skin corrosion/irritation Repeated or prolonged contact may cause irritation.

Serious eye damage/irritation Irritating to eyes.

Respiratory or skin sensitisation Not sensitising.

Mutagenicity Not classified.

Carcinogenicity Not classified.

Chemical Name	European Union	IARC
Isopropyl alcohol		Group 1 Group 3

Reproductive toxicity Not classified.

STOT - Single exposure Not classified.

STOT - Repeated exposure Not classified.

Aspiration hazard Not classified.

Other information No information available.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Isopropyl alcohol	>1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 >1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through >1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50	13299: 48 h <i>Daphnia magna</i> mg/L EC50
Chlorhexidine digluconate	ErC10: 0.03 mg/l 72 h <i>scenedesmus subspicatus</i>	LC50: 2.08 mg/l 96h <i>Brachydanio rerio</i>	EC50: 0.087 mg/l 48h <i>Daphnia magna</i> NOEC: 0.0206 mg/l 21d <i>Daphnia magna</i>

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12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Chemical Name	log Pow
Isopropyl alcohol	0.05

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Chemical Name	Toxicity to microorganisms
Chlorhexidine digluconate	COD: 219000 mg/l BOD5: 0 mg/l

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number	3082	3082	3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental Hazards	Marine pollutant	Marine pollutant	Marine pollutant
14.6 Special precautions for user		Avoid release to the environment	
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code			

SECTION 15: Regulatory information

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

Classification according to EU Directives 67/548/EEC or 1999/45/EC. This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable
R36 - Irritating to eyes
R41 - Risk of serious damage to eyes
R67 - Vapours may cause drowsiness and dizziness
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor
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

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Revision Note This SDS was updated according to regulation (EU) No 453/2010.

Disclaimer

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.