

# SAFETY DATA SHEET

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## 1. Identification of the substance/mixture and company/undertaking

<b>Product name</b>	<b>Clinell Chlorhexidine Wash Cloths</b>
<b>Use</b>	Cleaning wipes for skin
<b>Supplier</b>	GAMA Healthcare Ltd. Customer Services 39 Hampstead House 176 Finchley Road London NW3 6BT UK
<b>Contact number</b>	Telephone +44(0) 845 2011 644
<b>E-mail contact</b>	info@gamahealthcare.com

## 2. Hazards identification

<b>Classification</b>	N, R50-53
<b>Health hazards</b>	May cause eye irritation.
<b>Environmental hazards</b>	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<b>Fire and explosion hazards</b>	The product is water-based, and no fire or explosion hazards are expected.

## 3. Composition/information on ingredients

<b>Declarable components</b>	<b>Conc (%)</b>	<b>EC No.</b>	<b>CAS No.</b>	<b>Classification<sup>a</sup></b>
Chlorhexidine digluconate <sup>b</sup>	1 to 5	242-354-0	18472-51-0	Xi, R41; N, R50-53
Myristyl dimethyl amine oxide	0.1 to 1	222-059-3	3332-27-2	Xi, R38-41; N, R50

### Other components

Water >75%

<sup>a</sup> See Section 16 'Other information' for full text of the R-phrases.

<sup>b</sup> EU name: D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1).

## 4. First-aid measures

<b>Skin contact</b>	Product intended for skin use. For industrial use of the liquid, remove contaminated clothing and wash affected area with soap and water. If irritation occurs, seek medical attention. Launder contaminated clothing before re-use.
<b>Eye contact</b>	In case of contact with eyes, irrigate with water for 15 minutes, occasionally lifting eyelids. Seek prompt medical attention for signs of irritation.
<b>Ingestion</b>	For industrial use of the liquid, if swallowed, wash out mouth thoroughly and give water to drink. Seek medical attention if

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significant amounts (eg more than a teaspoonful) are ingested, or for any symptoms occurring after ingestion. Do not induce vomiting, unless instructed by medical personnel.

**Inhalation**

For industrial use of the liquid, if adverse effects (eg irritation of the airways, drowsiness, or dizziness) occur, remove patient from exposure and give fresh air and rest. Obtain prompt medical attention.

**Medical treatment**

Show this safety data sheet to medical personnel. Give symptomatic treatment and supportive therapy.

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**5. Fire-fighting measures**

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**Fire and explosive properties**

The product is water based, and therefore not flammable or explosive.

**Extinguishing media**

Water spray, carbon dioxide, dry chemical and foam are compatible with the product. Remove containers from fire or cool them with water.

**Specific hazards**

When heated sufficiently, product may decompose to form smoke and toxic fumes, gases or vapours, including oxides of carbon and nitrogen, and chlorine-containing compounds.

**Protective equipment for fire fighters**

Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

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**6. Accidental release measures**

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**Personal precautions**

For industrial spills of the liquid, ensure full personal protection is worn (see Section 8). Keep unauthorised personnel from the spillage area.

**Environmental precautions** Prevent leakage of product into water-courses or drainage system by diking with sand or other absorbent material. Contact authorities, water company, and waste-water treatment plant as appropriate if significant contamination occurs.

**Method for cleaning up**

Stop the source of leak or release. Clean up spill as soon as possible. Small spills can be mopped up with dry cloth. Collect larger spill using techniques such as sorbent materials or pumping. Place material in suitable container for disposal in accordance with local and national regulations. Wash contaminated surfaces with water, and collect washings for safe disposal. Follow prescribed procedures for responding to large spills and reporting to appropriate authorities.

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**7. Handling and storage**

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**Information for safe handling**

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For industrial use of the liquid, avoid contact with skin and eyes. Remove sources of ignition. Wear protective clothing as in Section 8. Good general ventilation is recommended.

**Storage**

Store in a cool, dry, well-ventilated place, away from direct sunlight. Do not allow to freeze. Keep container closed when not in use.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

EU: None.

UK: Glycerol mist: long-term exposure limit (8 h), 10 mg/m<sup>3</sup>.**Engineering measures**

For industrial use of the liquid, good general ventilation is recommended. Where exposure limits may be exceeded, local exhaust ventilation may be necessary.

**Personal protective equipment**

For professional use of the liquid, the need for personal protective equipment should be based on a workplace risk assessment for the particular use. Prevent skin and eye contact by wearing chemical resistant gloves (eg rubber, neoprene, PVC) and safety goggles. Where more extensive contact may occur, wear suitable protective clothing (eg apron, sleeves, boots).

PPE should be to European (EN) standards. Consult manufacturers concerning breakthrough times.

## 9. Physical and chemical properties

<b>Appearance</b>	White wet wipe
<b>Odour</b>	Odourless
<b>Melting point</b>	Ca. 0 °C
<b>Boiling point</b>	Ca. 100 °C
<b>Vapour pressure</b>	24 mmHg (25 °C) (water)
<b>Specific gravity</b>	No data available
<b>Solubility: in water</b>	Liquid is water soluble, but will precipitate in the presence of most alkalis
<b>in solvents</b>	No data available
<b>pH</b>	5.5
<b>Partition coefficient</b>	No data available
<b>Flash point (typical)</b>	Not expected for water-based product
<b>Explosive properties</b>	Not expected for water-based product

## 10. Stability and reactivity

Stable under recommended storage and handling conditions. No hazardous polymerization.

**Conditions to avoid** Light and excessive heat.

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**Materials to avoid** Alkalis and oxidising agents.**Hazardous decomposition products**  
None known.

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## 11. Toxicological information

The preparation has not been tested for toxicological effects. Based on the known effects of the ingredients, the product is classified for human health effects as indicated below.

**Acute toxicity** Not classified as harmful by ingestion, skin contact, or inhalation.**Corrosivity/irritation** May cause eye irritation, and mild skin irritation.**Sensitisation** No ingredient has been identified as having sensitising properties.**Repeated-dose toxicity** Repeated skin exposure may cause contact dermatitis.**Carcinogenicity/Mutagenicity/Reproductive toxicity**  
No information available.

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## 12. Ecological information

Ecotoxicological data have not been determined specifically for this product, but it is classified as very toxic on the basis of the known hazards of the components.

**Mobility** No information available.**Persistence/degradability** Contains a substance (chlorhexidine digluconate) which is not readily biodegradable.**Bioaccumulation** No information available.**Toxicity** Contains substances (chlorhexidine digluconate and myristyl dimethyl amine oxide) which are very toxic to aquatic organisms.

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## 13. Disposal considerations

For large-scale industrial use, the liquid should be disposed of by incineration. Do not dispose of via the drains, or by landfill. Disposal must be in accordance with current national and local regulations.

In industry, chemical residues generally count as special waste, and their disposal may be regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you on how to dispose of special waste.

General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC).

The wipes are not flushable or maceratable.

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## 14. Transport information

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<b>UN No.</b>	3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains chlorhexidine digluconate)
<b>Marine Pollutant</b>	Yes, according to 2008 Edition criteria
<b>Class</b>	9
<b>Label(s)</b>	9
<b>Classification Code</b>	M6
<b>Packing Group</b>	III
<b>Packing Instruction</b>	P001
<b>HIN</b>	90

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## 15. Regulatory information

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### Classification and labelling according to EC Directives

**Classification** N, R50-53

### Symbols and indications of danger



Dangerous for the environment

**Risk phrases** R50/53, very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Safety phrases** S61, avoid release to the environment. Refer to special instructions/safety data sheet

### UK legislation

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716) (CHIP4).

Control of Substances Hazardous to Health Regulations 1999 SI 1999/437.

Health and Safety at Work Act 1974 c 37.

### EU legislation

Dangerous Substances Directive (67/548/EEC).

Dangerous Preparations Directive (99/45/EC).

REACH Regulation (1907/2006).

Regulation (EC) No 1272/2008 on *Classification, Labelling and Packaging of Substances and Mixtures*.

Chemical Agents Directive (98/24/EC).

Personal Protective Equipment (EC Directive) Regulations SI 1992/3139.

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## Guidance

COSHH Essentials: Easy steps to chemical control.

Occupational Exposure Limits EH40.

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## 16. Other information

**Revisions:** None

**Risk phrase explanations:** R38, irritating to skin; R41, risk of serious damage to eyes; R50, very toxic to aquatic organisms; R53, may cause long-term adverse effects in the aquatic environment.

**Explanatory note:** This SDS refers mainly to the industrial use of the liquid. The product is supplied as packaged cleaning wipes, which are not expected to produce adverse health or environmental effects under normal conditions of use and disposal.

The classification of the liquid component has been assessed according to the calculation method given in 99/45/EC on the basis of available information for the ingredients from supplier safety data sheets.

## References

Annex VI of Regulation 1272/2008 on *Harmonised Classification and Labelling for Certain Hazardous Substances*.

Existing Chemical Substances Information System (ESIS) available at the European Chemical Bureau website: <http://ecb.jrc.ec.europa.eu/esis/>.

Supplier safety data sheets.

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