

SAFETY DATA SHEET

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

Product name	Clinell Alcoholic 2% Chlorhexidine Wipes
Use	Cleaning wipes for medical devices
Supplier	GAMA Healthcare Ltd. Customer Services Unit 2, The Exchange Brent Cross Gardens London NW4 3RJ United Kingdom
Contact number	Telephone +44(0) 845 2011 644
E-mail contact	info@gamahealthcare.com

2. Hazards identification

Classification	F, R10; Xi, R36; R67; N, R51-53
Health hazards	Eye irritant. Inhalation of vapours may cause drowsiness or dizziness.
Environmental hazards	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Fire and explosion hazards	The liquid is expected to be flammable. Vapour may produce explosive mixture in air in confined space.

3. Composition/information on ingredients

Declarable components	Conc (%)	EC No.	CAS No.	Classification^a
Propan-2-ol	50 to 75	200-661-7	67-63-0	F, R11; Xi, R36; R67
Chlorhexidine digluconate ^b	1 to 5	242-354-0	18472-51-0	Xi, R41; N, R50-53

Other components

Water	25 to 50
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^a See Section 16 'Other information' for full text of the R-phrases.

^b 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

Skin contact	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.
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Eye contact	In case of contact with eyes, irrigate with water for 15 minutes, occasionally lifting eyelids. Seek prompt medical attention for signs of irritation.
Ingestion	For industrial use of the liquid, if swallowed, wash out mouth thoroughly and give water to drink. Seek medical attention if 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	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.

5. Fire-fighting measures

Fire and explosive properties

The liquid is expected to be flammable. Vapour may produce explosive mixture in air in confined space.

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, hydrogen chloride, ammonia, and small amounts of p-chloroaniline.

Protective equipment for fire fighters

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

6. Accidental release measures

Personal precautions

For industrial spills of the liquid, ensure full personal protection is worn (see Section 8). Ensure all sources of ignition are extinguished. 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.

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Method for cleaning up Stop the source of leak or release. Clean up spill as soon as possible using non-sparking equipment and machinery. 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.

7. Handling and storage

Information for safe handling

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: Propan-2-ol: long-term exposure limit (8 h), 999 mg/m³ (400 ppm); short-term exposure limit (15 min), 1250 mg/m³ (500 ppm).

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

Appearance	Moist non-woven wipe
Odour	Alcohol
Melting point	-88 to -90 °C (propan-2-ol)

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Boiling point	82 to 83 °C (propan-2-ol)
Vapour pressure	ca. 42 hPa at 20 °C (propan-2-ol)
Specific gravity	No data available
Solubility: in water	Liquid is water soluble
 in solvents	No data available
pH	5.0 to 8.0
Partition coefficient	No data available
Flash point (typical)	ca. 12 °C (propan-2-ol)
Explosive properties	Vapours may form explosive mixtures with air

10. Stability and reactivity

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

Conditions to avoid Sources of ignition (eg heat, spark, flame)

Materials to avoid Oxidising agents, ammonia, and chlorine. Contact with anionic substance will reduce effectiveness of the product.

Hazardous decomposition products
None known.

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 or skin contact. Inhalation may cause drowsiness or dizziness. Ingestion of liquid may cause intoxication.

Corrosivity/irritation May cause skin and eye 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.

12. Ecological information

Ecotoxicological data have not been determined specifically for this product, but it is classified as harmful 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.

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Bioaccumulation	No information available.
Toxicity	Contains a substance (chlorhexidine digluconate) which is very toxic to aquatic organisms.

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.

14. Transport information

UN No.	3175 With special provisions : IATA A46 , ADR 216 & 274 , IMDG 216 & 274.
Proper Shipping Name	SOLIDS CONTAINING FLAMMABLE LIQUID , N.O.S. (contains isopropanol)
Marine Pollutant	Yes
Class	4.1
Label(s)	4.1
Classification Code	F1
Packing Group	II
Packing Instruction	P001
HIN	40

15. Regulatory information

Classification and labelling according to EC Directives

Classification F, R10; Xi, R36; R67; N, R51-53

Symbols and indications of danger



Irritant



Dangerous for the environment

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Risk phrases	R10, flammable R36, irritating to eyes R51/53, toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R67, vapours may cause drowsiness and dizziness
Safety phrases	S2, keep out of the reach of children S26, in case of contact with eyes, rinse immediately with plenty of water and seek medical advice 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.

Guidance

COSHH Essentials: Easy steps to chemical control.

Occupational Exposure Limits EH40.

16. Other information

Revisions: None

Risk phrase explanations: R10, flammable; R11, highly flammable; R36, irritating to eyes; R41, risk of serious damage to eyes; R51, toxic to aquatic organisms; R53, may cause long-term adverse effects in the aquatic environment; R67, vapours may cause drowsiness and dizziness.

Explanatory note: This SDS refers mainly to the industrial use of the liquid. The product is supplied as packaged cleaning wipes.

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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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