

SAFETY DATA SHEET

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

Product name	Clinell Disinfectant Spray
Use	Disinfectant Spray
Supplier	GAMA Healthcare Ltd. Customer Services 39 Hampstead House 176 Finchley Road London NW3 6BT UK
Contact number	Telephone +44(0) 845 2011 644
E-mail contact	info@gamahealthcare.com

2. Hazards identification

Classification	Not classified for supply.
Health hazards	May irritate eyes.
Environmental hazards	None identified for this product.
Fire and explosion hazards	The product is water-based, and no fire or explosion hazards are expected.

3. Composition/information on ingredients

Declarable components	Conc (%)	EC No.	CAS No.	Classification^a
Benzalkonium chloride	<1	264-151-6	63449-41-2	Xn, R21/22; C, R34; N, R50
Propane-1,2-diol	1 to 5	200-338-0	57-55-6	Not classified

Other components

Water	>75
Other additives	Each <1

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

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.
Eye contact	In case of contact with eyes, irrigate with water for 15 minutes, occasionally lifting eyelids. Seek prompt medical attention.
Ingestion	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

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occurring after ingestion. Do not induce vomiting, unless instructed by medical personnel.

Inhalation If adverse effects (eg irritation of the airways) occur, remove patient from exposure and give fresh air and rest. If the patient continues to feel unwell, obtain 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 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.

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). 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.

7. Handling and storage

Information for safe handling

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For industrial use of the liquid, avoid contact with skin and eyes. Wear protective clothing as in Section 8. Good general ventilation is recommended. Avoid breathing mists if sprayed.

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: Propane-1,2-diol: long-term exposure limit (8 h), 474 mg/m³ (150 ppm) (total vapour and particulates); 10 mg/m³ (particulates).

Engineering measures

For industrial use of the liquid, good general ventilation is recommended.

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	Clear liquid which might have slight haze
Odour	Slight, rose-perfume
Melting point	Ca. 0 °C
Boiling point	Ca. 100 °C
Flash point (typical)	Not expected for water-based product
Explosive properties	Not expected for water-based product
Autoignition temperature	No data available
Vapour pressure	24 mmHg (25 °C) (water)
Specific gravity	No data available
Solubility: in water	Liquid is water soluble
in solvents	No data available
pH	No data available
Partition coefficient	No data available

10. Stability and reactivity

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

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Conditions to avoid	None.
Materials to avoid	Oxidising agents. 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, skin contact, or inhalation.
Corrosivity/irritation	Prolonged or repeated skin contact may cause irritation. Mild irritant to eyes.
Sensitisation	No ingredient has been identified as having sensitising properties.
Repeated-dose toxicity	No information available.
Carcinogenicity/Mutagenicity/Reproductive toxicity	No information available.

12. Ecological information

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

Mobility	No information available.
Persistence/degradability	No information available.
Bioaccumulation	No information available.
Toxicity	No information available.

13. Disposal considerations

This product may be disposed of via the drains, by landfill, or by incineration. 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.

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14. Transport information

Not classified for transport.

15. Regulatory information

Classification and labelling according to EC Directives

Classification Not classified

Symbols and indications of danger

None

Risk phrases None.**Safety phrases** None.

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:** R21, harmful in contact with skin; R22, harmful if swallowed; R34, causes burns; R50, very toxic to aquatic organisms.**Explanatory note:** This SDS refers mainly to the industrial use of the liquid. The product is supplied as packaged disinfectant spray, which is not expected to produce adverse health or environmental effects under normal conditions of use and disposal.

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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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