

# SAFETY DATA SHEET

Date: 12 June 2009

Version: 1

Page 1 of 6

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

<b>Product name</b>	<b>Clinell Disinfectant Spray</b>
<b>Use</b>	Disinfectant Spray
<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>	Not classified for supply.
<b>Health hazards</b>	May irritate eyes.
<b>Environmental hazards</b>	None identified for this product.
<b>Fire and explosion hazards</b>	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 <sup>a</sup>
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

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

## 4. First-aid measures

<b>Skin contact</b>	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.
<b>Ingestion</b>	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

# SAFETY DATA SHEET

Date: 12 June 2009

Version: 1

Page 2 of 6

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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.

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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.

### 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

# SAFETY DATA SHEET

Date: 12 June 2009

Version: 1

Page 3 of 6

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/m<sup>3</sup> (150 ppm) (total vapour and particulates); 10 mg/m<sup>3</sup> (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

<b>Appearance</b>	Clear liquid which might have slight haze
<b>Odour</b>	Slight, rose-perfume
<b>Melting point</b>	Ca. 0 °C
<b>Boiling point</b>	Ca. 100 °C
<b>Flash point (typical)</b>	Not expected for water-based product
<b>Explosive properties</b>	Not expected for water-based product
<b>Autoignition temperature</b>	No data available
<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
<b>in solvents</b>	No data available
<b>pH</b>	No data available
<b>Partition coefficient</b>	No data available

## 10. Stability and reactivity

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

# SAFETY DATA SHEET

Date: 12 June 2009

Version: 1

Page 4 of 6

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<b>Conditions to avoid</b>	None.
<b>Materials to avoid</b>	Oxidising agents. Contact with anionic substance will reduce effectiveness of the product.
<b>Hazardous decomposition products</b>	None known.

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## 11. Toxicological information

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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.

<b>Acute toxicity</b>	Not classified as harmful by ingestion, skin contact, or inhalation.
<b>Corrosivity/irritation</b>	Prolonged or repeated skin contact may cause irritation. Mild irritant to eyes.
<b>Sensitisation</b>	No ingredient has been identified as having sensitising properties.
<b>Repeated-dose toxicity</b>	No information available.
<b>Carcinogenicity/Mutagenicity/Reproductive toxicity</b>	No information available.

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## 12. Ecological information

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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.

<b>Mobility</b>	No information available.
<b>Persistence/degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Toxicity</b>	No information available.

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## 13. Disposal considerations

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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.

# SAFETY DATA SHEET

Date: 12 June 2009

Version: 1

Page 5 of 6

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## 14. Transport information

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Not classified for transport.

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## 15. Regulatory information

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### 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.

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## 16. Other information

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**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.

# SAFETY DATA SHEET

Date: 12 June 2009

Version: 1

Page 6 of 6

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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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