# SAFETY DATA SHEET



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

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|---|---|
| **Product name** | **Clinell Sporicidal Wipes** |
| **Use** | Surface-cleaning wipes |
| **Supplier** | GAMA Healthcare Ltd.<br>Customer Services<br>39 Hampstead House<br>176 Finchley Road<br>London NW3 6BT<br>UK |
| **Contact number** | Telephone +44(0) 845 2011 644 |
| **E-mail contact** | info@gamahealthcare.com |

## 2. Hazards identification

| | |
|---|---|
| **Classification** | O, R8; Xn, R22; Xi, R41 (refers to dry content of wipes). |
| **Health hazards** | Harmful if swallowed. Contact with eyes may cause serious damage. Moisture forms corrosive substances (peracetic acid and acetic acid) (refers to dry content of wipes). |
| **Environmental hazards** | Toxic to aquatic organisms. |
| **Fire and explosion hazards** | The product is an oxidising agent, and may promote combustion of flammable materials. Reaction with water may form flammable vapours. Dust may produce explosive atmosphere. (Refers to dry content of wipes). |

## 3. Composition/information on ingredients

| **Declarable components** | **Conc (%)** | **EC No.** | **CAS No.** | **Classification**[a] |
|---|---|---|---|---|
| Sodium carbonate peroxyhydrate[b] | 25 to 50 | 239-707-6 | 15630-89-4 | O, R8; Xn, R22; Xi, R41 |
| **Other components** | | | | |
| Tetra acetyl ethylene diamine | 10 to 25 | | | |

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

[b] EU name: Disodium carbonate, compound with hydrogen peroxide (2:3).

## 4. First-aid measures

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| **Skin contact** | For industrial use of the powder, or the liquid produced on wetting the powder with water, in case of contact with skin, promptly 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** | For industrial use of the powder, or the liquid produced on wetting the powder with water, in case of contact with eyes, irrigate with water for 15 minutes, occasionally lifting eyelids. |

Speed is essential. Seek prompt medical attention for signs of irritation.

**Ingestion**

For industrial use of the powder, if swallowed, wash out mouth thoroughly and give water to drink. Seek immediate medical attention. Do not induce vomiting, unless instructed by medical personnel.

**Inhalation**

For industrial use of the powder, or the liquid produced on wetting the powder with water, if adverse effects (eg irritation of the airways) 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 powder is an oxidising agent, and may increase the rate of burning of combustible materials. May produce flammable vapours on contact with water. Dust may be an explosion hazard.

**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. Contact with water will produce irritant vapours (peracetic acid and acetic acid).

**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 powder, ensure full personal protection is worn (see Section 8). Keep unauthorised personnel from the spillage area.

**Environmental precautions**

Prevent product from entering water-courses or drainage system.

**Method for cleaning up**

Powder can be carefully swept up or collected by clean, spark-free vacuum cleaner. Avoid forming dusts. Collect spill and place in suitable container for disposal. Wash contaminated surfaces with water, and collect washings for safe disposal. Follow prescribed procedures for responding to large spills and reporting to authorities.

## 7. Handling and storage

**Information for safe handling**

For industrial use of the powder, avoid contact with skin and eyes. Remove sources of ignition. Wear protective clothing as in Section 8.

**Storage**

Store in a cool (<40 °C), dry, well-ventilated place, away from direct sunlight in low humidity. Keep container closed when not in use. Keep away from combustible materials.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

EU: Acetic acid; long-term exposure limit (8 h), 25 mg/m$^3$ (10 ppm).

UK: None.

**Engineering measures**

For industrial use of the powder, local exhaust ventilation or closed system is recommended.

**Personal protective equipment**

For professional use of the powder, 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).

Respiratory protection (dust mask) may be required if dusts are present. An organic vapour mask may be required if the product contacts water or moisture.

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

## 9. Physical and chemical properties

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|---|---|
| **Appearance** | Product is provided as non-woven wipe containing powder particles |
| **Odour** | No data available |
| **Melting point** | Decomposition above 50 °C (sodium carbonate peroxyhydrate) |
| **Boiling point** | No data available |
| **Vapour pressure** | No data available |
| **Specific gravity** | No data available |
| **Solubility: in water** | 130 g/l at 20 °C (sodium carbonate peroxyhydrate) |
| **in solvents** | No data available |
| **pH** | No data available |
| **Partition coefficient** | No data available |
| **Explosive properties** | No data available |

## 10. Stability and reactivity

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

**Conditions to avoid** Heat, light, humidity.

**Materials to avoid** Water, and combustible materials.

**Hazardous decomposition products**
Product reacts with water to produce peracetic acid, hydrogen peroxide and acetic acid.

## 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** Sodium carbonate peroxyhydrate: $LD_{50}$ (oral, rat) 1034 mg/kg (harmful if swallowed); $LD_{50}$ (dermal, rat) >2000 mg/kg (not harmful).

The wipe has been tested and shown to produce peroxides and peroxyacetic acid are produced close to the surfaces on which the wipe is used, but little material is released as free acid into the atmosphere.

**Corrosivity/irritation** Powder product is expected to be a serious irritant to eyes. On contact with water, releases corrosive liquids (peracetic acid and acetic acid).

**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 classified as very toxic on the basis of the known hazards of the components.

**Mobility** Product is expected to partition between water and soil compartments.

**Persistence/degradability** Sodium carbonate peroxyhydrate dissociates into sodium carbonate and hydrogen peroxide in fresh water (30% in 24 h). Hydrogen peroxide decomposes more slowly to water and oxygen.

**Bioaccumulation** No information available.

**Toxicity** Contains substance (sodium carbonate peroxyhydrate) which is toxic to aquatic organisms.

## 13. Disposal considerations

For large-scale industrial use, the powder 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.

The environmental and health hazards of the powder product may be reduced by hydrolysis with a large excess of water.

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 can be macerated fro disposal in the sewage system.

## 14. Transport information

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|---|---|
| **UN No.** | 1479 |
| **Proper Shipping Name** | OXIDISING SOLID, N.O.S (contains sodium carbonate peroxyhydrate) |
| **Marine Pollutant** | No |
| **Class** | 5.1 |
| **Label(s)** | 5.1 |
| **Classification Code** | O2 |
| **Packing Group** | III |
| **Packing Instruction** | P002 |
| **HIN** | 50 |

## 15. Regulatory information

**Classification and labelling according to EC Directives**

**Classification** O, R8; Xn, R22; Xi, R41

**Symbols and indications of danger**

Oxidizing

Harmful

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|---|---|
| **Risk phrases** | R8, contact with combustible material may cause fire |
| | R22, harmful if swallowed |
| | R41, risk of serious damage to eyes |
| **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 |
| | S39, wear eye/face protection |

**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**: R8, contact with combustible material may cause fire; R22, harmful if swallowed; R41, risk of serious damage to eyes.

**Explanatory note:** This SDS refers mainly to the bulk properties of the powder contained in the wipe. 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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