

SAFETY DATA SHEET according to regulation (EC) No.1907/2006

Date of issue: 18 January 2021

Issue number: 2

dentisan[®]

INNOVATION, EDUCATION, COMPLIANCE

SECTION 1: Identification of the substance/mixture and company

1.1. Product Identifier

Product code: DS024

Name: Bioclear Daily

1.2. Product Uses

Dental unit waterline maintenance product.

1.3. Supplier

Dentisan
Bateman Street
Derby

DE23 8JL

Phone: 01332 268526

Web: www.dentisan.co.uk

Fax: 01332 295941

Email: info@dentisan.co.uk

1.4. Emergency telephone number

Emergency Telephone Number: 01332 292402

SECTION 2: Hazards identification (Undiluted product)

2.1. Classification of the mixture

According to 1272/2008

Health Hazards: Not Classified

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

2.2. Label elements

Not classified as Hazardous under current EU regulations

According to 1272/2008

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/ information on ingredients

| Material | CAS number | Level | EC No (where available) | EU REACH reg. no. (where available) | Hazards (see section 16) |
|-------------------|-------------------|--------------|--------------------------------|--|---|
| Hydrogen peroxide | 7722-84-1 | <5% | 231-765-0 | 01-2119485845-22 | Acute Tox. 4, Aquatic Chronic 3, Ox. Liq. 1, Skin Corr. 1A, STOT SE 3 H271 H332 H302 H314 H335 H412 |

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance if irritation persists.

Skin contact: Remove contaminated clothing, wash skin with water and seek medical attention if irritation persists.

Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

4.2. Most important symptoms and effects, both acute and delayed

Eye hazard: Will cause discomfort.

Skin hazard: Prolonged or repeated contact may cause irritation/dryness.

Respiratory hazard: Not a hazard in normal use.

Other hazards: No other hazards.

4.3. Indication of any immediate medical attention and special treatment needed

No special treatment or attention required additional to section 4.2.

SECTION 5: Fire fighting measures

Flammability hazard: Not combustible.

5.1. Extinguishing media

No special requirements. As appropriate for the fire.

5.2. Special hazards arising from the mixture

Oxygen released on exothermic decomposition may support combustion in case of surrounding fire. Fire may cause evolution of irritant gases/vapours.

5.3. Advice for firefighters

Wear self-contained breathing apparatus. Cool closed containers exposed to fire with water spray. Collected contaminated fire extinguishing water separately and do not discharge into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8

Provide ventilation. Keep the area clear. Observe regulations.

6.2. Environmental precautions

Prevent spills from entering water courses.

6.3. Methods and material for containment and cleaning up

Small quantities, flush to foul sewer with a large quantity of water.

Large quantities, contain and absorb or pump into suitable containers for disposal.

6.4. Reference to other sections

Observe the advice given in sections 8 and 13

SECTION 7: Handling and storage

Shelf life: 24 months in original sealed containers.

7.1. Precautions for safe handling

Do not mix with other products. Observe good industrial hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place protected from frost and away from alkalis, strong oxidising agents out of direct sunlight. Store upright in original containers. Recommended storage temperature 5-25°C.

7.3. Product Uses

Dental unit waterline maintenance product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits

| | | |
|-------------------|-----------------------|--------------------------|
| Hydrogen peroxide | 1ppm | WEL 8 hour TWA (UK EH40) |
| Silver (as Ag) | 0.01mg/m ³ | WEL 8 hour TWA (UK EH40) |

8.2. Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

| | |
|-------------------------|---|
| Eye protection: | Wear eye protection appropriate to the process according to BS EN 166. |
| Hand protection: | Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments. |
| Body protection: | As necessary to prevent contact. |
| Respiratory protection: | Not applicable. |
| Other protection: | |

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|--|--------------------|------------------------------------|
| Physical State: Liquid | Colour: Colourless | |
| Odour: Mild, characteristic. | | Melting point/ freezing point: N/a |
| pH (typical): 5.2 1% in water (typical). | | Flammability N/a |
| Initial boiling point: Not determined. | | Flash point: Not applicable. |
| Auto-ignition temp: Not applicable. | | Viscosity: Free flowing. |
| Vapour pressure: Not determined. | | |
| Explosive properties: Not determined. | | |
| Lower upper explosion limits: N/a | | |
| Oxidising properties: Not determined. | | |
| Solubility: Miscible with water. | | |
| Relative density at 20° C (typical): 1.009 | | |
| Relative vapour density: No data | | |

9.2. Other information

SECTION 10: Stability and reactivity

- 10.1. Reactivity** Incompatible with strong oxidising agents and alkalis.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** Heat can cause the generation of oxygen.
- 10.4. Conditions to avoid** Extremes of temperature. Direct sunlight. Heat, flames and sparks.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and alkalis.
- 10.6. Hazardous decomposition products** Oxygen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity: Based on available data, the classification criteria are not met.
- Skin corrosion/ irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/ irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Does not contain any ingredients classified as sensitising.
- Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.
- Carcinogenicity: Does not contain any ingredients classified as carcinogenic.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Based on available data, the classification criteria are not met.
- STOT repeated exposure: Does not contain any ingredients classified as STOT RE.
- Aspiration toxicity: Does not contain any ingredients classified as Asp Tox.

Routes of exposure/ symptoms

- Eye contact: Will cause discomfort.
- Skin contact: Prolonged or repeated contact may cause irritation/dryness.
- Inhalation: Not a hazard in normal use.
- Ingestion: Low toxicity.

- 11.2. Information on other hazards** No data.

SECTION 12: Ecological information

- 12.1. Toxicity** This product has microbiocidal properties. Large quantities may affect biological treatment plants.
- 12.2. Persistence and degradability** Water based product. All organic ingredients are biodegradable when well diluted.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has high water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Endocrine disrupting properties** No known endocrine disrupting properties.
- 12.7. Other adverse effects** No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Process effluent can normally be discharged to foul sewer (subject to consent limits).
- Dispose of surplus product and packaging via a licenced chemical waste contractor.
- Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

SECTION 14: Transport information

- 14.1. UN number** Not classified
- 14.2. UN proper shipping name** N/a ()
- 14.3. Transport hazard class(es)** N/a **14.4. Packing group** Na
- 14.5. Environmental hazards** Not classified as environmentally hazardous for transport
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Maritime transport in bulk according to IMO instruments** Not available for bulk transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

Contents according to (EC) regulation No.648/2004 on detergents:

Oxygen based bleaching agent

15.2. Chemical safety assessment A chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements relating to ingredients (see section 3)

H271 May cause fire or explosion; strong oxidizer

H332 Harmful if inhaled

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H335 May cause respiratory irritation

H412 Harmful to aquatic life with long lasting effects

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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

