

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

Date of issue:

18 January 2021

Issue number:

3

dentisan®

INNOVATION, EDUCATION, COMPLIANCE

SECTION 1: Identification of the substance/mixture and company

1.1. Product Identifier

Product code: DS290

Name: Dentichlor Tablets

1.2. Product Uses

A convenient, reliable and consistent means of producing chlorine solutions for disinfection operations. Main uses: Disinfecting impressions and devices. Dealing with blood/ body fluid spills. Multiple hard surface disinfection such as plastic water storage bottles, work surfaces and any other chlorine resistant hard surface. Avoid contact with fabrics.

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: Eye Irrit. 2, STOT SE 3

Physical Hazards: Not Classified

Environmental Hazards: Aquatic Acute 1

2.2. Label elements

Warning

According to 1272/2008



H319 Causes serious eye irritation

H335 May cause respiratory irritation

H410 Very toxic to aquatic life with long lasting effects

EUH031 Contact with acids liberates toxic gas.

P271 Use only in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

P402 + P404 Store in a dry place. Store in a closed container.

P501 Dispose of contents/container via licenced chemical waste contractor.

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)
Troclosene Sodium	2893-78-9	30-60%			Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Eye Irrit. 2, Ox. Sol. 2, STOT SE 3 H272 H302 H319 H335 H400 H410
Adipic acid	124-04-9	10-30%			Eye Irrit. 2 H319
Sodium carbonate	497-19-8	1-5%			Eye Irrit. 2 H319

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 immediately.
- Skin contact: Remove contaminated clothing, wash skin with soap and 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 irritation.
- Skin hazard: Will cause irritation.
- Respiratory hazard: Exposure to dust or chlorine gas will cause irritation of the respiratory tract.
- 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: Contact with combustible material may cause fire.

5.1. Extinguishing media

No special requirements. As appropriate for the fire.

5.2. Special hazards arising from the mixture

Thermal decomposition or combustion products may include the following substances: Very corrosive gases or vapours. Chlorine. Hydrogen chloride (HCl).

5.3. Advice for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Contain and collect extinguishing water.

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
Spillage may make floors slippery. 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

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: 60* 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 acids and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5-25°C.

7.3. Product Uses

A convenient, reliable and consistent means of producing chlorine solutions for disinfection operations. Main uses: Disinfecting impressions and devices. Dealing with blood/ body fluid spills. Multiple hard surface disinfection such as plastic water storage bottles, work surfaces and any other chlorine resistant hard surface. Avoid contact with fabrics.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits

Chlorine	0.5ppm	WEL 15 min STEL (UK EH40)
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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 to BS EN 166 if splashing of solution is likely, or if airborne dust levels are high

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: Avoid creating and breathing dust when handling the tablets, wear a protective mask to EN149 if necessary.

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: Solid

Colour: White

Odour: Characteristic, chlorine.

Melting point/ freezing point: N/a

pH (typical): 5-6 1% in water (typical).

Flammability N/a

Initial boiling point: Not applicable.

Flash point: Not applicable.

Auto-ignition temp: Not applicable.

Viscosity: Not applicable.

Vapour pressure: No data.

Explosive properties: Not applicable.

Lower upper explosion limits: N/a

Oxidising properties: Contact with combustible material may cause fire.

Solubility: Freely soluble in water.

Relative density at 20° C (typical): N/a

Relative vapour density: No data

9.2. Other information

SECTION 10: Stability and reactivity

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and acids.
- 10.6. Hazardous decomposition products** Contact with acids liberates toxic gas (chlorine).

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: Mixture is classified as Eye Irrit. 2. See section 2.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT single exposure: Mixture is classified as STOT SE 3. See section 2.
- STOT repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration toxicity: Based on available data, the classification criteria are not met.

Routes of exposure/ symptoms

- Eye contact: Will cause irritation.
- Skin contact: Will cause irritation.
- Inhalation: Exposure to dust or chlorine gas will cause irritation of the respiratory tract.
- Ingestion: Harmful if swallowed.

- 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** This product is expected to be Biodegradable.
- 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

- Dispose of surplus product and packaging via a licenced chemical waste contractor.
- Process effluent can normally be discharged to foul sewer (subject to consent limits).
- 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** 3077
- 14.2. UN proper shipping name** Environmentally hazardous substance, Solid, N.O.S. (TROCLOSENE SODIUM)
- 14.3. Transport hazard class(es)** 9 **14.4. Packing group** 3
- 14.5. Environmental hazards** Very toxic to aquatic life with long lasting effects(supply)
- 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:

NTA and salts thereof

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)

H272 May intensify fire; oxidizer

H302 Harmful if swallowed

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Date of issue: 18 January 2021

Issue number: 3 Date of printing: 26 January 2021

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.

