

SAFETY DATA SHEET
DISINFECTANT FOR DENTAL UNIT WATERLINES
 Conforms to Regulation EU 2015/830

SECTION 1: Identification of the substance/mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name : Continu Disinfectant for Dental Unit Water Lines
Product Code : USL 2005 (5 Litre)
Product Description : Dental Unit Water Line Disinfectant
Product Type : Liquid

1.2 Relevant Identified Users of the substance or mixture and uses advised against

Product Use : Removal of biofilm and legionella from dental unit water lines
Area of Application : In water bottles, tubes and handpieces attached to dental chairs

1.3 Details of the Supplier of the Safety Data Sheet

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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Product Definition : Mixture

Classification according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

The evaluation undertaken pursuant to Article 9 and Article 12 shows that the hazards associated with the substance or mixture do not meet the criteria for classification in one or more hazard classes or differentiations in Parts 2 to 5 of Annex 1 as no substance is present in the mixture at > 0.092%:

or aquatic environmental hazards in section 4.1 of this Annex:

- i) for substances where an M-factor has been set for the relevant hazard category either in Part 3 of Annex VI, or in the classification and labelling inventory referred to in Article 42, the generic cut-off value in Table 1.1 adjusted using the calculation set out in section 4.1 of this Annex; or
- ii) for substances where no M-factor is set for the relevant hazard category either in Part 3 of Annex VI or in the classification and labelling inventory referred to in Article 42, the relevant generic cut-off value set out in Table 1.1.

Table 1.1
 Generic cut-off values

Hazard class	Generic cut-off values to be taken into account
Acute Toxicity:	
— Category 1-3	0.1 %
— Category 4	1 %
Skin corrosion/irritation	1 % (*)
Serious damage to eyes/eye irritation	1 % (*)
Hazardous to Aquatic Environment	
— Acute Category 1	0.1 % (*)
— Chronic Category 1	0.1 % (*)
— Chronic Category 2-4	1 %

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2.2 Label Elements

Hazard symbols	: None	
Precautionary Statements	: P102	Keep out of the reach of children
	: P103	Read label before use
	: P273	Avoid release to the environment
	: P301/305	IF SWALLOWED OR IN EYES:
	: P330	<i>Rinse with fresh water</i>
	: P312	<i>Contact a Doctor/Medical professional if you feel unwell or symptoms arise/persist</i>
	: P411	Store at room temperature
: P501	Dispose of contents/container in accordance with local guidelines	

2.3 Other Hazards

Other hazards which do not result in classification : Not available

SECTION 3: Composition/information on ingredients

Substance/Mixture : Mixture

The substance is a mixture of water and quaternary ammonium compounds. No single active ingredient is present at a concentration in excess of 0.092% so there is no requirement to disclose them under current EU regulations:

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or identification numbers.

Suppliers of substances may choose to list in addition all constituents including non-classified ones.

This subsection may also be used to provide information on multi-constituent substances.

3.2. Mixtures

The product identifier, the concentration or concentration ranges and the classifications shall be provided for at least all substances referred to in points 3.2.1 or 3.2.2. Suppliers of mixtures may choose to list in addition all substances in the mixture, including substances not meeting the criteria for classification. This information shall enable the recipient to identify readily the hazards of the substances in the mixture. The hazards of the mixture itself shall be given in Section 2.

The concentrations of the substances in a mixture shall be described as either of the following:

- (a) exact percentages in descending order by mass or volume, if technically possible;
- (b) ranges of percentages in descending order by mass or volume, if technically possible.

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SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

No special measures required. As a general rule, in case of doubt or if symptoms persist, call a Doctor or other medical professional

Emergency Overview :

- Physical State** : Liquid (Clear), Colourless & Fragrance free
- Routes of Exposure** : Eyes, Skin Contact, Inhalation, Ingestion
- Eye Contact** : Immediately rinse open eyes with fresh, clean water for several minutes
- Skin Contact** : Generally the product will not irritate the skin
- Inhalation** : No special measures required, though if irritation occurs, breathe in fresh air
- Ingestion** : If swallowed, wash out mouth with water. Call a doctor or other medical professional if symptoms persist

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye Contact** : No known significant effects or critical hazards
- Skin Contact** : No known significant effects or critical hazards
- Inhalation** : No known significant effects or critical hazards
- Ingestion** : No known significant effects or critical hazards

Over exposure signs/symptoms

- Eye Contact** : Adverse symptoms may include mild irritation, watering or redness
- Skin Contact** : No signs or symptoms
- Inhalation** : No specific data
- Ingestion** : Prolonged exposure may cause irritation, redness or blistering

4.3 Indication of any immediate medical treatment and special treatment needed

See above. No specific treatments

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Use dry chemical powder, CO₂, water spray or foam appropriate to environment at time of application

5.2 Special Hazards arising from the mixture

No dangerous substances are released

5.3 Advice for Firefighters

This is a water based product presenting no unusual hazards. No special measures beyond normal appropriate protective equipment

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

None required

6.2 Environmental Precautions

No special measures required

6.3 Methods and material for containment and cleaning up

May be left to dry naturally or dry with absorbent towel to avoid any slippage

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

No special measures required but follow instructions for use on product label

7.2 Conditions for safe storage, including any incompatibles

Store upright away from direct sunlight at room temperature. Keep out of reach of children

7.3 Specific End Use

To avoid exposure of patients to the product, instructions for use should be followed to ensure the disinfectant is emptied from the water bottle and rinsed through the tubing prior to commencing treatment

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The user is responsible for following instructions and using safely

8.1 Control Parameters

Occupational exposure limits have not been set for the ingredients within this mixture

8.2 Exposure Controls

Engineering Controls

Ensure any spillage is dried away to avoid slipping

Personal Protective Equipment

Eye Protection : Not normally required

Skin Protection : Not normally required

Body Protection : Not normally required

Respiratory Protection: Not normally required

SECTION 9: Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid, Colourless

Odour : Mild chemical odour

Odour Threshold : Not available

pH : 7 – 10.5

Melting/Freezing point : Not available/0°C

Boiling Point/Range : 100°C

Flash Point : Not applicable

Evaporation Rate : Not available

Flammability : Not self inflammable

Explosive Limits : Lower limit 0.9% (Vol %)

Vapour Pressure : Not available

Vapour Density : Not available

Relative Density : ca 1g/cm³ (@ 20°C)

Solubility/Miscibility : Fully miscible

Partition coefficient : Not available

Auto-ignition temp : Not available

Decomposition temp : Not available

Viscosity : Non-viscous

Explosive Properties : Product does not present an explosion hazard.

Oxidising Properties : Not available

9.2 Other Information

No additional information

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SECTION 10: Stability and reactivity

- 10.1 Reactivity** : None known
10.2 Chemical stability: Stable under recommended storage conditions
10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions won't occur
10.4 Conditions to avoid : Do not mix with other chemicals
10.5 Incompatible materials : Strong oxidising agents and acids
10.6 Hazardous decomposition products : None known

SECTION 11: Toxicological Information

The substance is not subject to classification according to the latest version of the EU list. When used and handled according to specifications, the product does not have any harmful effect according to our experience and the information provided to us.

- Toxicity** : Non toxic at concentration levels
Irritation : May cause irritation if ingested or swallowed but not under usual instructions for use
Sensitisation : No sensitising effects known
General : No known significant effects or critical hazards
Carcinogenicity : No known significant effects or critical hazards
Mutagenicity : No known significant effects or critical hazards
Teratogenicity : No known significant effects or critical hazards
Developmental Effects: No known significant effects or critical hazards
Fertility Effects : No known significant effects or critical hazards
Other Information : Not available

SECTION 12: Ecological Information

- 12.1 Toxicity** : Non toxic at concentration levels
12.2 Persistence and degradability : Biodegradable
12.3 Bioaccumulative potential : No bioaccumulation potential
12.4 Mobility in Soil : Readily absorbed into soil
12.5 Results of PBT & vPvB assessment : This product is not identified as a PBT/vPvB substance.
12.6 Other adverse effects : No known significant effects or hazards

SECTION 13: Disposal Considerations

The information in this section contains generic advice and guidance.

Product

Disposal should at all times comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. Small amounts of surplus solution may be diluted with plenty of water and washed away.

Packaging

Disposal should at all times comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. Waste packaging and product containers should be recycled wherever possible so incineration or landfill should only be considered where recycling is not feasible. The container should be disposed of safely.

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SECTION 14: Transport Information

No special transport arrangements necessary.

SECTION 15: Regulatory Information

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

EU Regulations (EC) No. 1272/2008 REACH

Annex XIV Substances of very high concern

None of the ingredients are listed

Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable

Notification Status

All ingredients within the mixture are identified as existing under Biocidal Products Regulation (BPR, Regulation (EU) 528/2012)

Other EU Regulations

Black List Chemicals : Not listed
Priority List Chemicals : Not listed
IPPC – Air/Water : Not listed
Chemical Weapons Convention List : Not listed

15.2 Chemical Safety Assessments

Chemical safety assessments for all substances in this product are either Complete or Not Applicable

Section 16: Other Information

Requirement to produce a Safety Data Sheet for this product

As this product is not classified as hazardous, dangerous, persistent, bio-cumulative or toxic it is not mandatory to supply a safety data sheet unless requested by the end user for which purpose this document has been produced

Classification according to Regulation (EC) No. 1272/2008

The mixture does not meet the criteria for classification as hazardous

Classification according to Dangerous Preparations Directive (EC) No. 1999/45/EC

The mixture does not meet the criteria for classification as dangerous

Precautionary Statements	: P102 : P103 : P301/305 : P330 : P312 : P411 : P501	Keep out of the reach of children Read label before use IF SWALLOWED OR IN EYES: <i>Rinse with fresh water</i> <i>Contact a Doctor/Medical professional if you feel unwell or symptoms arise/persist</i> Store at room temperature Dispose of contents/container in accordance with local guidelines
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Date of previous issue: 13th April 2017 (Revision 6)

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. All materials may present unknown hazards and should be used with caution so this document does not purport to be all inclusive. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The document does not form a legally binding contractual relationship and the company shall not be held liable for any damage resulting from contact with the product as final determination of suitability of any material is the sole responsibility of the user.