

EC Safety Data Sheet

according to 1907/2006/EC, art. 31

Name of the product: **Bevisto W2****Print date: 12.05.2017 - Version 8**

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SECTION 1: Identification of the substance/ preparation and of the company/ undertaking**1.1 Product identifier****Trade name:** **Bevisto W2****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Not suitable for body hygiene or cleaning in the food sector.

Application of the substance or mixture: Cleaning agent for medical products**Intended determination:**

Liquid concentrate for daily cleaning and care of dentistry Suction and separation systems.

1.3 Details of the supplier of the safety data sheet**Manufacturer/ Supplier:**

BEVISTON GmbH
D-27639 Nordholz (Wurster Nordseeküste)
Scharnstedter Weg 34 – 36
Tel.: +49 4741 1819830
Fax: +49 4741 1819831
E-mail: info@beviston.com
Internet: www.beviston.com

Distributor in Australia:

Bio Hygiene P/L
Unit N4, 5 - 7 Hephher Road
Campbelltown NSW 2560
Phone: +61 41 37 58 337
Fax: -
E-mail: info@biohygiene.com.au
Website: www.biohygiene.com.au

Further information obtainable from: Department for product safety**1.4 Emergency telephone number**

- 1) Emergency phone:
 within business hours from 8:00 to 17:00 h
- 2) 24 hours emergency phone of GGIZ

Tel.: +49 4741 1819830
E-mail: info@beviston.com
Tel.: +49 361 703 703

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008****Hazardous category:**

Serious eye damage/ eye irritation: Eye Irrit. 2
Harmful to aquatic environment: Aquatic Chronic 3

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Information concerning particular hazards for human and environment:

Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008****Hazard pictograms:****Signal word:**

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Hazard statements:

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P233 Keep container tightly closed.

P234 Keep only in original container.

P235 Keep cool.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice/attention.

Indications for labelling:

Due to the pH value, a skin or eye irritation can not be excluded.

2.3 Other hazards

The substances in the mixture do not fulfill the PBT-/ vPvB- criteria according to the REACH, Appendix XIII.

SECTION 3: Composition/ information on ingredients

3.2 Chemical characterization Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:		
CAS: 67-63-0 EINECS: 200-661-7 Index-Nr.: 603-117-00-0	2-propanol, isopropyl alcohol; isopropanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; ⚠ STOT SE 3, H336	< 5%
CAS: 85409-22-9 EINECS: 287-089-1 Index-Nr.: 011-002-00-6	quaternary ammonium compounds, benzyl-C12-14-alkyldimethylammonium chloride ⚠ Met. Corr. 1, ⚠ Acute Tox. 4, H302; ⚠ Skin Corr. 1B, H314; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410	< 1%
CAS: 164462-16-2 EG-Nr.: 225-768-6	<i>n n</i> -bis (carboxymethyl) alanine, trisodium salt ⚠ Met. Corr. 1, H290	1 – 5%
CAS: 5538-94-3 EINECS: 226-901-0	dimethyldioctylammonium chloride ⚠ Acute Tox. 4, H302, ⚠ Eye Dam. 1, Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410	< 1%

For the wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures**4.1 Description of first aid measures****General Indications:****After inhalation:**

Supply fresh air.

After skin contact:

In case of contact with skin wash immediately with plenty of water and soap. Immediately remove any clothing soiled by the product. In case of skin irritations seek medical advice.

After eye contact:

Rinse opened eyes under running water for 10 - 15 minutes. If the symptoms occur or persist, consult a doctor.

After swallowing: Immediately rinse mouth and drink plenty of water. Do NOT induce vomiting. Call for a doctor immediately.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment (decontamination, vital functions). No specific counteragent known.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions. The product itself is not flammable.

5.2 Special hazards arising from the substance or mixture

Can be released in case of fire: Gases/ vapours, harmful. Gases/ vapours, irritation.

5.3 Advice for firefighters**Protective equipment:**

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with the eyes and skin.

6.2 Environmental precautions

Do not allow to enter sewers or waters.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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6.4 References to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Avoid contact with the eyes and skin.

When working with undiluted product: Wear eye protection.

In case of sensitive skin: wear protective gloves. Recommended material: Nitrile rubber.

Information about fire and explosion protection: No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Keep cool.**Requirements to be met by storerooms and receptacles:**

Keep only in original container.

Information about storage in one common storage facility:

Keep away from foodstuffs, beverages and feed.

Further information about storage conditions: Keep container tightly closed.**7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/ personal protection**Additional information about design of technical facilities:**

No further data, see Section 7.

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

No eating, drinking, smoking or tobacco use at the place of work.

Respiratory protection:

When used and handled according to specifications under normal conditions respiratory protection is not necessary.

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Protection of hands:

Eye protection:



Wear protective gloves.



Wear tightly sealed goggles.

Recommended material gloves: Nitrile rubber

Body protection: Not necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Blue
Odour:	Lemon
Odour threshold:	not applicable

pH value at 20 °C: 11,2

Change in condition

Melting point/ melting range:	not applicable
Boiling point/ boiling range:	not applicable

Flash point: not determined.

Flammability (solid, gaseous): not applicable

Ignition temperature: not determined

Decomposition temperature not applicable

Self-igniting: product is not self-igniting

Danger of explosion: product does not present an explosion hazard.

Explosion limits:

Lower:	not applicable
Upper:	not applicable

Vapour pressure at 20°C: not applicable

Density at 20 °C: 1,010 g/ cm³

Relative density: not applicable

Vapour density: not applicable

Evaporation rate not applicable

Solubility in/ miscibility with water: fully miscible

Partition coefficient (n-octanol/ water): not applicable

Viscosity:

Dynamic:	not applicable
Kinematic:	not applicable

Solvent content:

Organic solvents: not applicable

9.2 Other information no further relevant information available

SECTION 10: Stability and reactivity

10.1 Reactivity

In case of proper handling no hazardous reactions known.

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10.2 Chemical stability

Thermal decomposition/ conditions to be avoided:

No decomposition in case of proper handling and storage.

10.3 Possibility of hazardous reactions

In case of proper handling and storage no hazardous reactions known.

10.4 Conditions to avoid

Avoid heavy warming. Protect from frost.

10.5 Incompatible materials

Avoid contact with magnesium and aluminium foil.

10.6 Hazardous decomposition products

No decomposition if used and handled according to specifications.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

No further relevant information available.

CAS-no.	Compound	Exposition	Method	Dose	Species
164462-16-2	<i>n n</i> -bis (carboxymethyl) alanine, trisodium salt	oral	LD50	>2000 mg/kg	rat
5538-34-3	Dimethyldioctylammonium chloride	oral	LD50	200-2000 mg/kg	rat
85409-22-9	benzyl-C12-14-alkyldimethylammonium chloride	oral	LD50	344 mg/kg	rat

Irritation and corrosivity: Irritating to eyes.

Sensitization: No sensitizing effect known.

Specific effects in animal experiments: There are no data for the mixture itself.

SECTION 12: Ecological information

12.1 Toxicity

Negative ecological effects are to be expected when the undiluted product directly enters surface waters and soils.

12.2 Persistence and degradability

The surfactants contained in the mixture are according to the Detergent Regulation (no. 648/2004) and fully biodegradable under aerobic conditions. The product has no effect on the AOX value.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

The mixture does not contain vPvB substances (vPvB = very persistent, very bioaccumulative) or does not fall under Annex XIII of Regulation (EC) 1907/2006. The mixture contains no PBT substances (PBT = persistent, bioaccumulative, toxic) or does not fall under Annex XIII of Regulation (EC) 1907/2006.

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12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation:**

Proper disposal/ product: Waste key numbers are assigned according to EAK regulation depending on the sector and process type.

Uncleaned packaging:

Disposal of completely emptied packaging can be carried out.

Recommendation: Disposal must be according to official regulations.**Recommended cleaning agent:** Water, if necessary together with cleaning agents.**SECTION 14: Transport information**

<u>14.1 UN number</u> ADR, ADN, IMDG, IATA	void
<u>14.2 UN proper shipping name</u> ADR, ADN, IMDG, IATA	void
<u>14.3 Transport hazard class(es)</u> ADR, ADN, IMDG, IATA Class	void
<u>14.4 Packing group</u> ADR, ADN, IMDG, IATA	void
<u>14.5 Environmental hazards:</u> Marine pollutant:	no
<u>14.6 Special precautions for user</u>	not applicable
<u>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u>	not applicable
UN "Model Regulation":	-

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture**

No further relevant information available.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

EU-Vorschriften:

Regulation (EG) no. 648/ 2004 (Detergent Regulation): The product complies with the criteria laid down in Regulation (EG) no. 648/2004.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225	Highly flammable liquid and vapour
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Department issuing MSDS: Department for product safety**Contact person:** Department for product safety**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam Liq. 2: Flammable liquids, Hazard Category 2

Met. Corr. 1: Corrosive to metals, Hazard Category 1

Acute Tox. 4: Acute toxicity: Hazard Category 4

Skin Corr. 1B: Skin corrosion/ irritation, Hazard Category 1B

Eye Dam. 1: Serious eye damage/ eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/ eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity – Single exposure, Hazard Category 3

Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment – Chronic Hazard, Category 1

Aquatic Chronic 3: Harmful to aquatic environment - - Chronic Hazard, Category 3