

**EC Safety Data Sheet**

according to 1907/2006/EC, art. 31

Name of the product: **Bevisto-Instrumental**Print date: **21.10.2015 (AUS) - 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-Instrumental****1.2 Relevant identified use of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance/ the preparation:** Disinfectant**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

**Australian Representative:**

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

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

- |   |   |
|---|---|
| 1) Emergency phone:<br>within business hours from 8:00 to 17:00 h | Tel.: +49 4741 1819830<br>E-mail: info@beviston.com |
| 2) 24 hours emergency phone of GGIZ                               | Tel.: +49 361 703 703                               |

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

GHS05 corrosion

Skin Corr. 1B      H314      Causes severe skin burns and eye damage.



GHS07

Skin Sens. 1      H317      May cause an allergic skin reaction.

Aquatic Chronic 3      H412      Harmful to aquatic life with long lasting effects.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

C; Corrosive

R34:      Causes burns.



Xi; Sensitizing

R43:      May cause sensitization by skin contact.

R52/53:      Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General classification guideline for preparations of the EU" in the latest version.

R 34 Causes burns.

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**Classification system:**

The classification is according to the latest editions of the EU lists, and extended by company and literature data.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms** GHS05, GHS07

**Signal word** Danger

**Hazard-determining components of labelling:**

C12-14Alkyldimethylammoniummethylsulfat

Polymeric Biguanide Hydrochloride

Laurylpropylendiamin

Guanidin, N,N''-1,3-Propandiylbis-, N-Kokos-alkylderivate, Diacetate (CAS:85681-60-3)

**Hazard statements**

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER/ doctor.

P362+P364 Take off contaminated clothing and wash it before reuse.

P404 Store in a closed container.

P501 Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

**Additional information:**

Contains Polymeric Biguanide Hydrochloride. May produce an allergic reaction.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable. **vPvB:** Not applicable.

**SECTION 3: Composition/ information on ingredients**

**3.2 Chemical characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

<b>Dangerous components:</b>		
CAS: 3006-13-1 EINECS: 221-108-6	C12-14 Alkyldimethylammoniummethylsulfate  	2,5-10 %
	Laurylpropylendiamine  	2,5-10 %

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	Guanidin, N,N''-1,3-Propandiylbis-, N-Kokos-alkylderivate, Diacetate (CAS: 85681-60-3) C R34;  Xn R22;  N R50 R10 <hr/> Flam. Liq. 3, H226;  Skin. Corr. 1B, H314;  Aquatic Acute 1, H400;  Acute Tox. 4, H302	≤ 2,5 %
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	Propan-2-ol Xi R36;  F R11 R67 <hr/> Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	≤ 2,5 %
	Fatty alcohol ethoxylate Xn R22;  Xi R41 <hr/> Eye Dam. 1, H318;  Acute Tox. 4, H302	≤ 2,5 %
	Polymeric Biguanide Hydrochloride Xi R38;  Xi R43;  N R50/53 <hr/> Eye Dam. 1, H318;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Skin Irrit. 2, H315; Skin Sens. 1, H317	0,1- <1 %
CAS: 2372-82-9 EINECS: 219-145-8	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine C R35;  Xn R22;  N R50/53 <hr/> Skin Corr. 1A, H314;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302	0,1- <1 %
	Duftstoff Xi R43 R52/53 <hr/> Skin Sens. 1, H317; Aquatic Chronic 3, H412	0,1- <1 %

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:** Immediately remove any clothing soiled by the product.

**After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Wash with water and acidic soap.

**After eye contact:**

Rinse opened eyes under running water for several minutes. Then consult a doctor.

**After swallowing:** Drink plenty of water and provide fresh air. 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**

No further relevant information available.

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

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3 Advice for firefighters****Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

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

Use neutralizing agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

**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** Keep container tightly sealed.**Information about fire and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** Keep container tightly sealed.**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 item 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:**

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**General protective and hygienic measures:**

Wash hands before breaks and at the end of work.  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Avoid contact with skin and eyes.

**Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.



Protective gloves

**Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of the material of gloves**

Butyl: > 0,7 mm/ 480 min.

Nitrile: > 0,4 mm/ 480 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH value at 20 °C:** 9,4

**Change in condition**

<b>Melting point/ melting range:</b>	Undetermined.
<b>Boiling point/ boiling range:</b>	100°C

**Flash point:** > 100°C

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:**

**Decomposition temperature** Not determined.

**Self-igniting:** Product is not self-igniting

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<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	2,0 Vol %
<b>Upper:</b>	17,7 Vol %
<b>Vapour pressure at 20°C:</b>	23 hPa
<b>Density:</b>	Not determined.
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in/ miscibility with water:</b>	Fully miscible.
<b>Partition coefficient (n-octanol/ water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	2,5 %
<b>Water:</b>	83,9 %
<b>VOC (EU)</b>	2,50 %
<b>9.2 Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

**10.2 Chemical stability**

**Thermal decomposition/ conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** No hazardous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No hazardous decomposition products known.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** Caustic effect on skin and mucous membranes.

**on the eye:** Strong caustic effect.

**Sensitization:** Sensitization possible through skin contact.

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.

**12.3 Bioaccumulative potential:** No further relevant information available.

**12.4 Mobility in soil:** No further relevant information available.

**Ecotoxicological effect:**

**Remark:** Harmful to fish

**Additional ecological information:**

**General notes:**

Water hazard class 2 (German Regulation) (self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch in undiluted resp. unneutralized state.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable. **vPvB:** Not applicable.

**12.6 Other adverse effects:** No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation:**

Must not be disposed together with domestic waste. Do not allow product to reach sewage systems.

**Uncleaned packaging:**

**Recommendation:** Disposal must be according to official regulations.

**Recommended cleaning agents:** Water, if necessary together with cleaning agents.

**SECTION 14: Transport information**

**14.1 UN number**

**ADR, IMDG, IATA** UN1903

**14.2 UN proper shipping name**

<b>ADR</b>	1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (C12-14 Alkyldimethylammonium-ethylsulfat, Guanidin, N,N''-1,3-Propan-diylbis-, N-Kokos-alkyl-derivate, Diacetate (CAS: 85681-60-3))
<b>IMDG, IATA</b>	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (C12-14 Alkyldimethylammoniumethylsulfat, Guanidin, N,N''-1,3-Propan-diylbis-, N-Kokos-alkyl-derivate, Diacetate (CAS: 85681-60-3))

**14.3 Transport hazard class(es)**

**ADR**



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<b>Class</b>	8 (C9) Corrosive substances.
<b>Label</b>	8
<b>IMDG, IATA</b>	
	
<b>Class</b>	8 Corrosive substances.
<b>Label</b>	8
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	
<b>Danger code (Kemler):</b>	Warning: Corrosive substances. 86
<b>EMS Number:</b>	F-A, S-B
<b>Segregation groups</b>	Alkalis
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC</b>	
<b>Code</b>	Not applicable
<b>Transport/ Additional information:</b>	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	E
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (C12-14 Alkyldimethylammoniummethylsulfat, Guanidin, N,N"-1,3-Propandiylobis-, N-Kokos-alkylderivate, Diacetate (CAS: 85681-60-3)), 8, III

**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.

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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.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
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.
- R10 Flammable.  
R11 Highly flammable.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R35 Causes severe burns.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.  
R50 Very toxic to aquatic organisms.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67 Vapours may cause drowsiness and dizziness.

**Department issuing MSDS:** 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)  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 4: Acute toxicity: Hazard Category 4  
Skin Corr. 1A: Skin corrosion/ irritation, Hazard Category 1A  
Skin Corr. 1B: Skin corrosion/ irritation, Hazard Category 1B  
Skin Irrit. 2: Skin corrosion/ irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/ eye irritation, Hazard Category 1

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

Skin Sens. 1: Sensitisation – Skin, Hazard Category 1

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: Hazardous to the aquatic environment – Chronic Hazard, Category 3