

EC Safety Data Sheet

according to 1907/2006/EC, art. 31

Name of the product: **BevistoSurface****Print date: 21.10.2015 (AUS) - Version 9**

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SECTION 1: Identification of the substance/ preparation and of the company/ undertaking**1.1 Product identifier****Trade name: BevistoSurface****1.2 Relevant identified uses 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:
within business hours from 8:00 to 17:00 h | Tel.: +49 4741 1819830
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**

GHS08 health hazard

STOT RE 2

H373 May cause damage to the digestive system through prolonged or repeated exposure. Route of exposure: Oral.



GHS05 corrosion

Skin Corr. 1B

H314 Causes severe skin burns



GHS09 environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.

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

C; Corrosive

R34: Causes burns

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.

Classification system:

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

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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, GHS08, GHS09

Signal word: Danger

Hazard-determining components of labelling:

didecyldimethylammonium chloride

Laurylpropylendiamin

Hazard statements

H314 Causes severe skin burns and eye damage.

H373 May cause damage to the digestive system through prolonged or repeated exposure.
Route of exposure: Oral.

H411 Toxic 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.

P310 Immediately call a POISON CENTER/ doctor.

P404 Store in a closed container.

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

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 non-hazardous additions.

Dangerous components		
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol ☒ Xi R36; ☒ F R11 ☒ R67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	2,5-10 %
CAS: 7173-51-5 EINECS: 230-525-2 Index number: 612-131-00-6	didecyldimethylammonium chloride ☒ C R34; ☒ Xn R22 ☒ Skin Corr. 1B, H314; ☒ Acute Tox. 4, H302	2,5-10 %
	Fatty alcohol ethoxylate ☒ Xn R22; ☒ Xi R41 ☒ Eye Dam. 1, H318; ☒ Acute Tox 4, H302	2,5-10 %
	Laurylpropylendiamine ☒ C R35; ☒ Xn R 22; ☒ N R50 ☒ Acute Tox. 3, H301; ☒ STOT RE 1, H372; ☒ Skin Corr. 1B, H314; ☒ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤ 2,5 %

Additional information: 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 information:** Immediately remove any clothing soiled by the product.**After inhalation:**

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

After skin contact: Immediately wash with water and soap and rinse thoroughly.**After eye contact:**

Rinse opened eye for several minutes under running water. 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.

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:

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 contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

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

Ensure good ventilation/ exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire and explosion protection: No special measures required.

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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****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 the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

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

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



Protective gloves

Material of gloves:

Nitrile rubber, NBR

Butyl rubber, BR

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:

Goggles recommended during refilling



Tightly sealed goggles

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General information	
Appearance:	
Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH value at 20°C:	7,5
Change in condition	
Melting point/ melting range:	Undetermined
Boiling point/ boiling range:	100 °C
Flash point:	> 55 °C
Inflammability (solid, gaseous):	Not applicable.
Ignition temperature:	> 200 °C
Decomposition temperature:	Not determined.
Self-igniting:	The product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	2,0 Vol %
Upper:	12,0 Vol %
Vapour pressure at 20 °C	23 hPa
Density at 20 °C:	1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/ miscibility with water:	Fully miscible
Partition coefficient (n-octanol/ water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent contents:	
Organic solvents:	7,4 %
Water:	78,0 %
VOC (EU):	7,40 %
9.2 Other information:	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No hazardous reactions known when used according to instructions.

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.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

7173-51-5 didecyldimethylammonium chloride

Oral	LD50	84 mg/ kg (rat)
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Primary irritant effect:

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

on the eye: Strong caustic effect.

Sensitization: no sensitizing effects known.

Additional toxicological information:

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

Corrosive

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

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.

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 or unneutralized state.

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

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 system.

Uncleaned packaging:

Recommendation: Disposal must be made 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

ADR

1903 DISINFECTANT, LIQUID, CORROSIVE,




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IMDG	N.O.S. (didecyldimethylammonium chloride, Laurylpropylendiamin), ENVIRONMENTALLY HAZARDOUS
IATA	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (didecyldimethylammonium chloride, Laurylpropylendiamin), MARINE POLLUTANT DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (didecyldimethylammonium chloride, Laurylpropylendiamin)
14.3 Transport hazard class(es)	
ADR	
	
Class	8 (C9) Corrosive substances.
Label	8
IMDG	
	
Class	8 Corrosive substances.
Label	8
IATA	
	
Class	8 Corrosive substances.
Label	8
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	
Marine pollutant:	Yes
Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user	
Danger code (Kemler):	Warning: Corrosive substances. 80
EMS Number:	F-A, S-B
Segregation group:	Alkalis
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC	
Code	Not applicable
Transport/ Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	E

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IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (didecyldimethyl- ammonium chloride, Laurylpropylendiamin), ENVIRONMENTALLY HAZARDOUS, 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.

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.
H301	Toxic if swallowed.
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.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
R11	Highly flammable.
R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.

Departments issuing MSDS: Department for product safety

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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

Acute Tox. 3: Acute toxicity: Hazard Category 3

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

STOT RE 1: Specific target organ toxicity – Repeated exposure, Hazard Category 1

STOT RE 2: Specific target organ toxicity – Repeated exposure, Hazard Category 2

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 2: Hazardous to the aquatic environment – Chronic Hazard, Category 2