

**EC Safety Data Sheet**

according to 1907/2006/EC, art. 31

Name of the product: **Bevisto-Plastic-Cleaner**Print date: **21.10.2015 (AUS) - Version 5**

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**SECTION 1: Identification of the substance/ preparation and of the company/ undertaking****1.1 Product identifier**Trade name: **Bevisto-Plastic-Cleaner****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:** Cleaning agent**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 Hopher 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. 1A H314 Causes severe skin burns and eye damage.

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

C; Corrosive

R34: Causes burns.

Due to the extreme pH value the classification as corrosive is effected.

**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**Signal word** Danger**Hazard-determining components of labelling:**

Potassium hydroxide

**Hazard statements**

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

- |                |  |
|----------------|--|
| P280           | Wear protective gloves/ eye protection.  |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P332+P313      | If skin irritation occurs: Get medical advice/ attention.  |
| 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+P313      | If eye irritation persists: Get medical advice/attention.  |

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**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: 5064-31-3 EINECS: 225-768-6 Index no.: 607-620-00-6	Trisodium nitrilotriacetate Carc. Cat. 3  Xn, R40;  Xi, R22-36 Carc. 2, H351;  Acute Tox. 4, H302;  Eye Irrit. 2, H319	1 - < 5 %
CAS: 112-34-5 EINECS: 203-961-6 Index no.: 603-096-00-8	2-(2-butoxyethoxy)ethanol Xi, R36 Eye Irrit. 2, H319	< 5 %
CAS: 1310-58-3 EINECS: 215-181-3 Index no.: 019-002-00-8	Sodiumhydroxide solution C, R35;  Xn R22 Acute Tox. 4, H302;  Skin Corr. 1A, H314	< 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:**

Avoid contact with skin, the eyes and clothes. Immediately remove any clothing soiled by the product.

**After inhalation:** No symptoms known.

**After skin contact:**

Immediately wash with water.

In case of skin irritations seek medical advice.

**After eye contact:**

In case of contact with the eyes rinse immediately thoroughly with water and consult a doctor.

**After swallowing:**

Do NOT induce vomiting. Drink plenty of water in small sips (dilution effect). 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**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** Water spray or powder extinguisher.

**Unsuitable extinguishing agents:** Full water jet. Sharp water jet

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

Can be released in case of fire:

Gases/ vapours, harmful.

Gases/ vapours, irritating.

**5.3 Advice for firefighters****Protective equipment:** Use self-contained breathing apparatus in case of fire.**Additional information:** Do not allow contaminated fire water to enter sewers.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. High risk of slipping due to leakage/ spillage of product. Keep unprotected persons away.

**6.2 Environmental precautions:**

Dispose of contaminated fire water according to official regulations. Do not allow to enter subsoil/ soil. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter surface or ground water. Do not allow to enter sewers or waters.

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

Considering environmental regulations clean soiled objects and floors thoroughly.

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

**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.

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

**Information about fire and explosion protection:** The product is not inflammable.**Further information about handling:** Keep only in original container.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Keep away from foodstuffs, beverages and feed. Keep only in original container.

**Information about storage in one common storage facility:** Keep away from foodstuffs.**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.

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**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

No eating, drinking, smoking or tobacco use at the place of work.  
Keep away from foodstuffs, feed.

**Respiratory protection:**

Respiratory protection is necessary in case of exceeding the threshold value. Suitable respiratory protective device: Full face/ half/ quarter mask (DIN EN 136/140).

**Protection of hands:**

Selection of chemical protective gloves subject to the concentration and quantity of hazardous substances specific to workplace.

Wear approved protective gloves: DIN/ EN norms: DIN EN 374

Suitable material: PE (polyethylene), NBR (nitrile rubber).

Penetration times and swelling properties of the material have to be taken into consideration.



Protective gloves

**Eye protection:**

Suitable eye protection: Tightly sealed goggles  
DIN/ EN norms: DIN EN 165



Tightly sealed goggles

**Body protection:**

Body protection (in addition to the usual working clothes) is required for protection against direct skin contact. Use working clothes resistant against alkalis.

**Suitable technical control equipment:**

In case of proper use this threshold value is much underrun. There is no fear of health hazards. Provide good ventilation when working with the product.

**Limitation and monitoring of the environmental exposition:**

Avoid uncontrolled use and release into environment.

**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>	Red
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH value at 20 °C:** 13,5

**Change in condition**

<b>Melting point/ melting range:</b>	Undetermined.
<b>Boiling point/ boiling range:</b>	95°C

**Flash point:** Not applicable.

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

**Ignition temperature:** Not determined.

**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>	Not applicable.
<b>Upper:</b>	Not applicable.
<b>Vapour pressure at 20°C:</b>	Not applicable.
<b>Density:</b>	1,033 g/ cm <sup>3</sup> .
<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>	Not determined.
<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>	Not applicable.
<b>9.2 Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No special hazards to mention.

**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:** Protect from frost.

**10.5 Incompatible materials:** Reacts with acids.

**10.6 Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapours.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity:**

CAS	Name	Exposition	Method	Dose	Species	Source
5064-31-3	Trisodium nitrilotriacetate	oral	ATE	500 mg/ kg		
112-34-5	2-(2-butoxyethoxy) ethanol	oral	LD50	5660 mg/ kg	rat	
		dermal	LD50	4120 mg/ kg	rabbit	
1310-58-3	Potassium hydroxide solution	oral	LD50	273 mg/ kg	rat	RTECS

**Primary irritant effect:**

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

**on the eye:** Caustic effect.

**Sensitization:** No sensitization.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Negative ecological effects are not known according to present knowledge.

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CAS	Name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
112-34-5	2-(2-butoxyethoxy) ethanol					
	Acute algae toxicity	ErC50	> 100 mg/L		Scenedesmus sp.	
	Acute Crustacea toxicity	EC50	> 100 mg/L	48 h	Daphnia magna	
1310-58-3	Potassium hydroxide solution					
	Acute fish toxicity	LC50	80 mg/L	96 h	Gambusia affinis	IUCLID

**12.2 Persistence and degradability:**

The surfactants contained in the mixture are according to the conditions of the biodegradability as stated in the Detergent Regulation (no. 648/2004). Supporting documents confirming this are kept available for the competent authorities of the member states upon their direct enquiry or at the request of a detergent manufacturer.

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

**Partition coefficient (n-octanol/ water)**

CAS	Name	LogPow
112-34-5	2-(2-butoxyethoxy) ethanol	0,56 (25°C)

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

**Additional ecological information:**

**General notes:**

Water hazard class 1 (German Regulation) (self-assessment): slightly hazardous for water.

**12.5 Results of PBT and vPvB assessment**

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

**12.6 Other adverse effects:**

The product is a base. Neutralization is generally required before entrance of the sewage water in the wastewater treatment plant.

**Additional information**

Due to the present data about

On the basis of the data available concerning eliminability/ degradation and bioaccumulative potential longer-term harm to the environment is unlikely.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation:**

Waste key numbers are assigned according to EAKV regulation depending on the sector and process type.

**Uncleaned packaging:**

**Recommendation:** Disposal of completely emptied packaging can be carried out.

**SECTION 14: Transport information**

<b>14.1 UN number</b> <b>ADR, IMDG, IATA</b>	UN1719
<b>14.2 UN proper shipping name</b> <b>ADR</b>	1719 CAUSTIC ALKALINE LIQUID, N.O.S. (contains potassium hydroxide, trisodium nitrilotriacetate)
<b>IMDG, IATA</b>	CAUSTIC ALKALINE LIQUID, N.O.S. (contains potassium hydroxide, trisodium nitrilotriacetate)



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<b>14.3 Transport hazard class(es)</b>	
<b>ADR</b>	
	
<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</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. 80
<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 Code</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
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	E
<b>Classification code</b>	C5
<b>Special regulations</b>	274
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1
<b>Special regulations</b>	223, 274
<b>IATA</b>	
<b>Excepted quantities (EQ)</b>	Code: E1
<b>Limited quantities (LQ) Passenger</b>	1L
<b>IATA packaging instructions - Passenger</b>	852
<b>IATA maximum quantity - Passenger</b>	5L
<b>IATA packaging instructions - Cargo</b>	856
<b>IATA maximum quantity - Cargo</b>	60L
<b>Passenger LQ</b>	Y841
<b>Special regulations</b>	A3 A803
<b>UN "Model Regulation":</b>	UN1719 CAUSTIC ALKALINE LIQUID, N.O.S. (contains potassium hydroxide, trisodium nitrilotriacetate), 8, III

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**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**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
R22	Harmful if swallowed.
R35	Causes severe burns.
R36	Irritating to eyes.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.

**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)

Acute Tox. 4: Acute toxicity: Hazard Category 4

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

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

Carc. 2: Suspected of causing cancer, Hazard Category 2

LogPow: Partition coefficient of n-octanol in water

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative