

# SAFETY DATA SHEET



**Product Name:** **BCB 135**

**Version No.** 2 | **Revision date** 01-06-2015 | **Initial issue date** 03-06-2003

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

**1.1 Product Identifier** BCB 135

**1.2 Relevant/Use(s)/misuse(s)** Biocide used in cooling towers and non-evaporative heating and chilled water systems.

**1.3 SDS Supplier** Beacon Water Treatments Limited  
Parsons Hall Industrial Estate  
High Street  
Irchester NN29 7AB  
**Telephone:** 01933 410066

**1.4 Emergency Telephone** 01604 505735 (Office hours) | **Competent Person e-mail:** trevor@rising-hsande.co.uk

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Acute Tox. 3 H301  
Acute Tox. 3 H331  
Skin Corr. 1B H314  
Skin Sens. 1 H317  
Resp. Sens. 1 H334  
Aquatic Acute 1 H400

#### 2.1.2 Additional information

For text of hazard statements, see section 16

### 2.2 LABELLING ELEMENTS

**Pictogram(s):**



**Signal word**

DANGER

**Hazard statement(s)**

H301 TOXIC IF SWALLOWED.  
H331 TOXIC IF INHALED  
H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
H317 MAY CAUSE AN ALLERGIC SKIN REACTION  
H334 MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.  
H400 VERY TOXIC TO AQUATIC LIFE.

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## 2. HAZARDS IDENTIFICATION

<b>Precautionary statement(s)</b>	P280	WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
	P310	IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. .
	P301+330+331	IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.
	P303+361+353	IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.
	P304+P340	IF INHALED: REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.
	P305+P351+P338	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
	P501	DISPOSE OF CONTENTS/CONTAINER TO HAZARDOUS OR SPECIAL WASTE COLLECTION SITE IN ACCORDANCE WITH LOCAL / REGIONAL / NATIONAL OR INTERNATIONAL REGULATIONS

**2.3 Other hazards** See section 8.1

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation**

AQUEOUS SOLUTION CONTAINING GLUTARALDEHYDE

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
GLUTARALDEHYDE	111-30-8	203-856-5	Acute Tox. 3 H301; Acute Tox. 3 H331; Skin Corr. 1B H314; Skin Sens. 1 H317; Resp. Sens. 1 H334; Aquatic Acute 1 H400	approx. 40%

## 4. FIRST AID MEASURES

### 4.1 Description of measures

<b>Inhalation</b>	If inhaled, provide fresh air, warmth, rest and seek medical advice.
<b>Skin contact</b>	Immediately clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.
<b>Eye contact</b>	Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary, consult an eye specialist/ophthalmologist
<b>Ingestion</b>	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice.
<b>4.2 Most important effects/symptoms</b>	None known.
<b>4.3 Immediate/special treatment</b>	Note to physician: probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

## 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing media</b>	Extinguish with alcohol resistant foam, carbon dioxide, waterfog (spray), dry powder,
<b>5.2 Special hazards</b>	Decomposition products released in a fire should be considered as probably harmful if inhaled.
<b>5.3 Advice for fire fighters</b>	Wear self-contained breathing apparatus. Avoid run-off water entering the drains (e.g. use barriers). Cool containers with water spray.

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## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions** Adhere to personal protective measures.
- 6.2 Environmental precautions** Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
- 6.3 Methods and materials for cleaning up** Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. Label container and dispose of as prescribed. Wash spillage site with plenty of water.
- 6.4 Reference to other sections** See section 8 for personal protective equipment.

## 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Handle in accordance with good hygiene and safety practice.
- 7.2 Conditions for safe storage** Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry. Protect from freezing. Storage for > 6 months is not recommended. Store away from incompatible materials.
- 7.3. Specific end use(s)** See section 1.2

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Controls parameters** Occupational Exposure Limits (WELs) have been assigned (EH40/2011).  
LTEL (8 hour TWA) 0.05 ppm 0.2 mg/m<sup>3</sup> Data for glutaraldehyde  
STEL (15 min) 0.05 ppm 0.2 mg/m<sup>3</sup> Data for glutaraldehyde
- 8.2 Exposure controls**
- Engineering controls** Ensure adequate ventilation of working area.
- Personal protection** Observe normal standards for handling chemicals.  
Wash hands before breaks and after work.  
Those with a history of sensitisation should take appropriate protective measures  
Avoid contact with skin and eyes.  
Wear personal protective equipment appropriate to the task (see below)
- Eye protection** Safety goggles (e.g. EN 166) if splashing is likely.
- Skin protection** Gloves e.g. PVC or PE) (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
- Respiratory protection** Approved respirator if ventilation is insufficient.
- Other protection** Protective overall

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

- Physical form** Liquid
- Colour** clear
- Odour** Pungent
- Odour threshold** 0.04 ppm (data for glutaraldehyde)
- pH** 6-7
- Boiling pt / range** > 100 °C
- Melting pt / range** Not determined °C
- Flash point** Not applicable °C

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## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

<b>Auto ignition temp.</b>	Not applicable °C
<b>Evaporation rate</b>	Not applicable
<b>Relative density</b>	>1.0
<b>Flammability</b>	Not applicable
<b>Explosion limits</b>	Not applicable
<b>Vapour pressure</b>	Not applicable
<b>Relative vapour density</b>	Not determined
<b>Water solubility</b>	Miscible
<b>Thermal decomposition</b>	No data available
<b>Viscosity</b>	Not applicable
<b>Partition coefficient</b>	Log P <sub>o/w</sub> = Not determined
<b>Explosive properties</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>9.2 Other information</b>	None known

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions of handling.
<b>10.2 Chemical stability</b>	Stable under normal conditions of handling.
<b>10.3 Hazardous reactions</b>	None known
<b>10.4 Conditions to avoid</b>	None known
<b>10.5 Incompatible material</b>	Strong acids and bases.
<b>10.6 Hazardous decomposition products</b>	Oxides of carbon (under fire conditions)

## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological effects

<b>Acute toxicity</b>	LD <sub>50</sub> rat(oral)	mg/kg	No data available
<b>Dermal compatibility</b>	No data available		
<b>Mucous membrane compatibility</b>	No data available		
<b>Further information</b>	Levels of glutaraldehyde > 0.2% produced allergic contact dermatitis in humans.		

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	LC <sub>50</sub>	Aquatic organisms	mg/l	No data available
<b>12.2 Degradability</b>	Readily degradable			
<b>12.3 Bioaccumulative potential</b>	Not determined			
<b>12.4 Mobility in soil</b>	Not determined			
<b>12.5 PBT/vPvB assessment</b>	Not applicable			

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## 12. ECOLOGICAL INFORMATION

**12.6 Other adverse effects** Glutaldehyde is classified as very toxic to aquatic organisms. Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment measures

**Advice on disposal** In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.

**Contaminated packaging** Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

## 14. TRANSPORT INFORMATION

**14.1 United Nations number** UN 2922 (ADR, IMDG, IATA)

**14.2 Proper shipping name** CORROSIVE LIQUID, TOXIC, N.O.S.  
(GLUTARALDEHYDE) (ADR, IMDG, IATA)

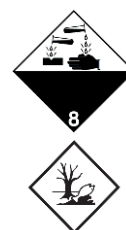
**14.3 Transport class(s)** 8 (ADR, IMDG, IATA)

**14.4 Packing group** III (ADR, IMDG, IATA)

**14.5 Environmental hazards** The product SHOULD be marked as a marine pollutant. (ADR, IMDG, IATA)

**14.6 Special procedures** Not applicable (ADR, IMDG, IATA)

**14.7 Transport in bulk** Not applicable (ADR, IMDG, IATA)



## 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations** The product is classified in accordance with EC Regulation 1272/2008 (CLP). Other regulatory information and provisions are not applicable for this product.

**15.2 Chemical safety assessment** Not applicable

## 16. OTHER INFORMATION

**Further information** The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP). The product has been classified using an additivity formula or the tiered approach using generic concentration limits [Regulation (EC) No 1272/2008]

### Hazard statements referred to in sections 2/3

H301: Toxic if swallowed  
H331: Toxic if inhaled  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H400: Very toxic to aquatic life.

**Sources of data** Other suppliers' safety data sheets, EH40(2011), ECHA C&L Inventory

**Date of issue** 01-06-2015

**This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.**

Data sheet prepared by Rising HS&E Services.