

# SAFETY DATA SHEET



<b>Product Name:</b>		<b>BCB 94</b>	
<b>Version No.</b> 2	<b>Revision date</b> 01-06-2015	<b>Initial issue date</b>	02-06-2003

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

<b>1.1 Product Identifier</b>	BCB 94		
<b>1.2 Relevant/Use(s)/misuse(s)</b>	Industrial		
<b>1.3 SDS Supplier</b>	Beacon Water Treatments Limited Parsons Hall Industrial Estate High Street Irchester, NN29 7AB		<b>Telephone:</b> 01933 410066
<b>1.4 Emergency Telephone</b>	01604 505735 (Office hours)	<b>Competent Person e-mail:</b> 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)

Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

#### 2.1.2 Additional information

For text of hazard statements, see section 16

### 2.2 LABELLING ELEMENTS

#### 2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

<b>Pictogram(s):</b>		<b>Signal word</b>	WARNING
<b>Hazard statement(s)</b>	H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS		
<b>Precautionary statement(s)</b>	P273 AVOID RELEASE TO THE ENVIRONMENT. 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** None known

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical Characterisation</b>	AQUEOUS SOLUTION CONTAINING A POLYMER			
<b>Chemical name</b>	<b>CAS-No</b>	<b>EINECS/ELINCS</b>	<b>Classification</b>	<b>Concentration</b>
DIMETHYLAMINE, EPICHLOROHYDRIN POLYMER	25988-97-0	NOT ASSIGNED	Acute Tox. 4 H302; Aquatic Acute 1 H400; (M=10) Aquatic Chronic 1 H410	10-15%

**Product Name:**

**BCB 94**

#### **4. FIRST AID MEASURES**

##### **4.1 Description of measures**

<b>Inhalation</b>	If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
<b>Skin contact</b>	Clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.
<b>Eye contact</b>	Wash out eye thoroughly with plenty of water until irritation subsides. If necessary, seek medical advice.
<b>Ingestion</b>	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice.

**4.2 Most important effects/symptoms** None known.

**4.3 Immediate/special treatment** Treatment as described above.

#### **5. FIRE FIGHTING MEASURES**

<b>5.1 Extinguishing media</b>	To suit local surroundings (e.g. water mist, carbon dioxide, foam, chemical powder for large fires). The product is not flammable
<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)

#### **6. ACCIDENTAL RELEASE MEASURES**

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

#### **7. HANDLING AND STORAGE**

<b>7.1 Precautions for safe handling</b>	Handle in accordance with good hygiene and safety practice.
<b>7.2 Conditions for safe storage</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry. Store in original container.
<b>7.3. Specific end use(s)</b>	Industrial

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>8.1 Controls parameters</b>	There are no occupational exposure limit values available (OES. Data for NaOH is for solid material). Comply with good practice for the control of exposure.
<b>8.2 Exposure controls</b>	

<b>Product Name:</b>	<b>BCB 94</b>
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls</b>	Ensure adequate ventilation of working area.
<b>Personal protection</b>	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Avoid contact with skin and eyes. Wear personal protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles (e.g. EN 166) if splashing is likely.
<b>Skin protection</b>	Gloves (e.g. PVC, Nitrile (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	Approved respirator if ventilation is insufficient.
<b>Other protection</b>	Protective overall

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

<b>Physical form</b>	Liquid
<b>Colour</b>	Colourless to pale yellow.
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	7-8
<b>Boiling pt / range</b>	From 100 °C
<b>Melting pt / range</b>	Not determined °C
<b>Flash point</b>	Not applicable °C
<b>Auto ignition temp.</b>	Not applicable °C
<b>Evaporation rate</b>	Not applicable
<b>Relative density</b>	1.03 – 1.04
<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

**Product Name:** **BCB 94**

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions of handling.
<b>10.2 Chemical stability</b>	Stable
<b>10.3 Hazardous reactions</b>	None known.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible material</b>	Strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	Hydrochloric acid, oxides of carbon and nitrogen on thermal decomposition

## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological effects

<b>Acute toxicity</b>	LD <sub>50</sub> rat (derm)	200-2000 mg/kg	Data for dimethylamine, epichlorohydrin polymer
<b>Dermal compatibility</b>	No data available		
<b>Mucous membrane compatibility</b>	No data available		

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	LC <sub>50</sub> Fish (rainbow trout) 0.15 mg/l Method: OECD Test Guideline 203, 96hr ** EC <sub>50</sub> Daphnia magna 0.16 mg/l Method: OECD Test Guideline 202 48hr ** ** Data for dimethylamine, epichlorohydrin polymer
<b>12.2 Degradability</b>	Totally biodegradable: 81% (28 days) (Method: OECD Test Guideline 301, data for dimethylamine, epichlorohydrin polymer)
<b>12.3 Bioaccumulative potential</b>	Not determined
<b>12.4 Mobility in soil</b>	Log Koc: 4.7 (dimethylamine, epichlorohydrin polymer adsorbs onto soil.)
<b>12.5 PBT/vPvB assessment</b>	Not applicable
<b>12.6 Other adverse effects</b>	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

<b>Advice on disposal</b>	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

## 14. TRANSPORT INFORMATION

**Product Name:** **BCB 94**

## 14. TRANSPORT INFORMATION

<b>14.1 United Nations number</b>	UN 3082 (ADR, IMDG, IATA)	
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE POLYMERS, AQUEOUS SOLUTION), (ADR, IMDG, IATA)	
<b>14.3 Transport class(s)</b>	9 (ADR, IMDG, IATA)	
<b>14.4 Packing group</b>	III (ADR, IMDG, IATA)	
<b>14.5 Environmental hazards</b>	The product SHOULD be marked as a marine pollutant. (ADR, IMDG, IATA)	
<b>14.6 Special procedures</b>	Not applicable (ADR, IMDG, IATA)	
<b>14.7 Transport in bulk</b>	Not applicable (ADR, IMDG, IATA)	

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations</b>	The product is classified in accordance with EC Regulation 1272/2008 (CLP). Other regulatory information and provisions are not applicable for this product.
<b>15.2 Chemical safety assessment</b>	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

H302: Harmful if swallowed  
H410: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

**Sources of data** Other suppliers' safety data sheets, 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.