

# SAFETY DATA SHEET



**Product Name:** **BECHLOR 126**

**Version No.** 2      **Revision date** 01-06-2015      **Initial issue date** 02-06-2003

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

**1.1 Product Identifier** BECHLOR 126

**1.2 Relevant/Use(s)/misuse(s)** Industrial

**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)

Ox. Liq. 3 H272  
Acute Tox. 4 H302  
Eye Irrit. 2 H319  
STOT SE 3 H335  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

#### 2.1.2 Additional information

For text of hazard statements, see section 16

**Pictogram(s):**



**Signal word**

WARNING

**Hazard statement(s)**

H272 MAY INTENSIFY FIRE; OXIDISER.  
H302 HARMFUL IF SWALLOWED  
H319 CAUSES SERIOUS EYE IRRITATION.  
H335 MAY CAUSE RESPIRATORY IRRITATION.  
H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**Precautionary statement(s)**

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  
P314 GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL. .  
P301+330+P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.  
P303+P361+P353 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.  
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

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation**

DICHLORO ISOCYANURIC ACID, SODIUM SALT

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
SYMCLOSENE (TRICHLOROISOCYANURIC ACID)	87-90-1	201-782-8	Ox. Liq. 3 H272; Acute Tox. 4 H302; Eye Irrit. 2 H319; STOT SE 3 H335; Aquatic Acute 1 H400; Aquatic Chronic 1 H410	>98%

### 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>	Immediately 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.
<b>4.2 Most important effects/symptoms</b>	None known.
<b>4.3 Immediate/special treatment</b>	Treatment as described above.

### 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing media</b>	Carbon dioxide and water. Do NOT use powder based on ammonium salt and halogenous extinguishing media.
<b>5.2 Special hazards</b>	Extinguish with big quantities of water – small amounts may aggravate the situation. product is not flammable, but may decompose at high temperatures, thus emitting toxic gases. If the fire only affects part of the drums, isolate them from the rest by taking them to a well ventilated area. For small fires CO2 extinguishers can be used.
<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

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**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 in cool dry conditions. Product should be kept in suitable closed containers (wooden or metallic containers must not be used) away from ignition sources and other chemical products. If product is stored with other products, it should be placed in a separate compartment near the exit door, which should be free from obstacles, in order to take product away quickly.

**7.3. Specific end use(s)**

Industrial

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Controls parameters**

Occupational Exposure Limits (WELs) have been assigned (EH40/2011).  
STEL (15 min) 0.5 ppm 1.5 mg/m<sup>3</sup> Data for chlorine gas

**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.  
Avoid contact with skin and eyes.  
Wear personal protective equipment appropriate to the task (see below)

**Eye protection**

Safety goggles (e.g. EN 166)

**Skin protection**

Polyethylene gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

**Respiratory protection**

Full mask equipped with suitable filter (combined for dust and halogens).if ventilation is insufficient.

**Other protection**

Protective overall

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

**Physical form**

Granular or tablets

**Colour**

White

**Odour**

Slight chlorine odour

**Odour threshold**

No data available

**pH**

7-8

**Boiling pt / range**

Not determined °C

**Melting pt / range**

At 60°C it loses hydration water. At 240°C melts with decomposition

**Flash point**

>150 °C (ASTM D-92)

**Auto ignition temp.**

Not applicable °C

**Evaporation rate**

Not applicable

**Bulk density**

900-1,000 kg/m<sup>3</sup>

**Flammability**

Not applicable

**Explosion limits**

Not applicable

**Vapour pressure**

Not applicable

**Relative vapour density**

Not determined

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## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

<b>Water solubility</b>	290 g/l @ 25°C
<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>	Product is stable in normal storage conditions. Product loses less than 1% chlorine after one year at 40°C.
<b>10.2 Chemical stability</b>	Stable
<b>10.3 Hazardous reactions</b>	As described below.
<b>10.4 Conditions to avoid</b>	Humidity and temperatures over 50°C
<b>10.5 Incompatible material</b>	Product attacks metals in general. It reacts with water (in small quantities which may moisten product, but great quantities are necessary to extinguish a fire), oxidant and reducing agents, acids, alkalis, nitrogen products, ammonium salts, urea, amines, quaternary ammonium derivatives, oils, fats, peroxides, cationic tensioactives, etc.
<b>10.6 Hazardous decomposition products</b>	In combination with the above mentioned products, it decomposes and gives off a great quantity of heat, chlorine, nitrogen trichloride, etc with subsequent danger of explosion if nitrogen trichloride level is high enough.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological effects

<b>Acute toxicity</b>	LD <sub>50</sub> human (oral)	3570	mg/kg	.
<b>Dermal compatibility</b>	Redness, strong burning sensation, with ulceration eventually (Dermal (rabbit, 500mg/34h)			
<b>Mucous membrane compatibility</b>	Pain and tears. Impaired vision (short term effect)			

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	LC <sub>50</sub>	Aquatic organisms	mg/l	No data available
<b>12.2 Degradability</b>	No data available			
<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			
<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. Do not pour directly to rivers, lakes, etc. Product hydrolyses in diluted aqueous solution giving off hypochlorous and cyanuric acids. Hypochlorous is transformed into chloride with time and the action of the sun's rays. Cyanuric Acid is biodegradable and practically non toxic. The diluted solution can be directly poured to the sewer system, Providing the chlorine content is of 0 ppm and local authorities permit it.			

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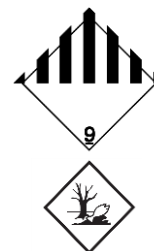
### 13. DISPOSAL CONSIDERATIONS

#### 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 3077 (ADR, IMDG, IATA)
- 14.2 Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCES SOLID, NOS (SODIUM DICHLOROSOCYANURATE DIHYDRATE) (ADR, IMDG, IATA)
- 14.3 Transport class(s)** 9 (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)

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

H272: May intensify fire; oxidiser.  
H302: Harmful if swallowed  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

- Sources of data** Other suppliers' safety data sheets, EH40(2011)

**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.