SAFETY DATA SHEET

Product Name:	BECHLOR T20	
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 T20

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation DICHLORO ISOCYANURIC ACID, SODIUM SALT

Chemical name	CAS-No	EINECS/ELINCS	Classification	Concentration
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

Inhalation If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.

Skin contact Clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.

Eye contact Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary, seek medical advice.

Ingestion 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

5.1 Extinguishing media Carbon dioxide and water. Do NOT use powder based on ammonium salt and halogenous extinguishing media.

5.2 Special hazards 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.

5.3 Advice for fire fighters Wear self-contained breathing apparatus. Avoid run-off water entering the drains (e.g. use barriers)

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

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 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^3 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 ºC
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_3
Flammability	Not applicable
Explosion limits	Not applicable
Vapour pressure	Not applicable
Relative vapour density	Not determined

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Water solubility	290 g/l @ 25°C
Thermal decomposition	No data available
Viscosity	Not applicable
Partition coefficient	Log $P_{o/w}$ = Not determined
Explosive properties	Not applicable
Oxidising properties	Not applicable
9.2 Other information	None known

10. STABILITY AND REACTIVITY

10.1 Reactivity	Product is stable in normal storage conditions. Product loses less than 1% chlorine after one year at 40°C.
10.2 Chemical stability	Stable
10.3 Hazardous reactions	As described below.
10.4 Conditions to avoid	Humidity and temperatures over 50°C
10.5 Incompatible material	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, quatemary ammonium derivatives, oils, fats, peroxides, cationic tensioactives, etc.
10.6 Hazardous decomposition products	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

Acute toxicity	LD_{LO} human (oral) 3570 mg/kg .
Dermal compatibility	Redness, strong burning sensation, with ulceration eventually (Dermal (rabbit, 500mg/34h)
Mucous membrane compatibility	Pain and tears. Impaired vision (short term effect)

12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC_{50} Aquatic organisms mg/l No data available
12.2 Degradability	No data available
12.3 Bioaccumutive potential	Not determined
12.4 Mobility in soil	Not determined
12.5 PBT/vPvB assessment	Not applicable
12.6 Other adverse effects	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.

13. DISPOSAL CONSIDERATIONS

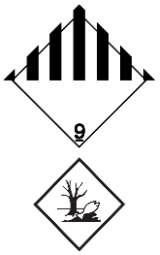
13.1 Waste treatment measures

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.