

# SAFETY DATA SHEET



**Product Name:** CS 11M

**Version No.** 2      **Revision date** 21-05-2018      **Initial issue date** 03-09-2003

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

**1.1 Product Identifier** CS 11

**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)

Skin Corr. 1B H314  
Acute Tox. 3 H301  
Skin Irrit 2 H315  
Eye Irrit. H319

#### 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)**

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
H301 TOXIC IF SWALLOWED

**Precautionary statement(s)**

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  
P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.  
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.  
P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

**2.3 Other hazards** None known

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation**

AQUEOUS ALKALINE SOLUTION PLUS ADDITIVES

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
SODIUM HYDROXIDE	1310-73-2	215-185-5	Skin Corr. 1A H314	2-5%
SODIUM NITRITE	7632-00-0	231-555-9	Ox. Sol. 3 H272; Acute Tox. 3 H301; Aquatic Acute 1 H400	20-25%
1,2,3-BENZOTRIAZOLE	95-14-7	202-394-1	Acute Tox. 4 H302; Aquatic Chronic 3 H412	< 1.0%
SODIUM MOLYBDATE	10102-40-6	231-551-7	Not classified	10%

### 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>	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. 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.

#### 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.

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## 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. Avoid high temperatures.
<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>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. 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>	
<b>Odour</b>	Faint
<b>Odour threshold</b>	No data available
<b>pH</b>	13-14
<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>	1.21 – 1.23
<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

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## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

<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
<b>10.3 Hazardous reactions</b>	None known.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible material</b>	According to experience, there are no incompatible substances.
<b>10.6 Hazardous decomposition products</b>	None

## 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		

## 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.			


## 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.

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## 14. TRANSPORT INFORMATION

<b>14.1 United Nations number</b>	UN 2922 (ADR, IMDG, IATA)	
<b>14.2 Proper shipping name</b>	CORROSIVE LIQUID, TOXIC, N.O.S. (SODIUM HYDROXIDE, SODIUM NITRITE) (ADR, IMDG, IATA)	
<b>14.3 Transport class(s)</b>	8 (ADR, IMDG, IATA)	
<b>14.4 Packing group</b>	III (ADR, IMDG, IATA)	
<b>14.5 Environmental hazards</b>	The product should not 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)

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

H272: May intensify fire; oxidiser.  
H301: Toxic if swallowed  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage.  
H400: Very toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects

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

**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.