SAFETY DATA SHEET

Product Name:	WT 112	
Version No. 2	**Revision date** 01-06-2015	**Initial issue date** 03-09-2003

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

1.1 Product Identifier WT 112

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

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)

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS ALKALINE SOLUTION PLUS ADDITIVES

Chemical name	CAS-No	EINECS/ELINCS	Classification	Concentration
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%

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 Immediately 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. CONSULT AN EYE SPECIALIST/OPHTHALMOLOGIST..

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 To suit local surroundings (e.g. water mist, carbon dioxide, foam, chemical powder for large fires). The product is not flammable

5.2 Special hazards Decomposition products released in a fire should be considered as probably harmful if inhaled.

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

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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 containers tightly closed, cool and dry. Avoid high temperatures.
7.3. Specific end use(s)	Industrial

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters	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.
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) if splashing is likely.
Skin protection	Gloves (e.g. Nitrile (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	
Odour	Faint
Odour threshold	No data available
pH	13-14
Boiling pt / range	From 100 ºC
Melting pt / range	Not determined ºC
Flash point	Not applicable °C
Auto ignition temp.	Not applicable °C
Evaporation rate	Not applicable
Relative density	1.21 – 1.23
Flammability	Not applicable
Explosion limits	Not applicable
Vapour pressure	Not applicable
Relative vapour density	Not determined
Water solubility	Miscible
Thermal decomposition	No data available

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

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	Stable under normal conditions of handling.
10.2 Chemical stability	Stable
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	None known.
10.5 Incompatible material	According to experience, there are no incompatible substances.
10.6 Hazardous decomposition products	None

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD_{50} rat (oral)	mg/kg	No data available.
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available		

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.			

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. (SODIUM HYDROXIDE, SODIUM NITRITE) (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 not 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.
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.