

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **BW75**  
CHEMICAL IDENTITY: Aqueous solution of organic tannins, polymers and sodium hydroxide  
RECOMMENDED USE: Oxygen Scavenger for Boiler Water Treatment

1.2  
Hydraguard Limited  
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Newton on Rawcliffe  
Pickering  
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### 2. HAZARDS IDENTIFICATION

Irritating to eyes and skin  
CLASSIFICATION Xi; R36/38

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS No	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	1-5 %	C;R35

The full text for all R-Phrases are Displayed in Section 16

### 4. FIRST AID MEASURES

**Inhalation:** Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.  
**Ingestion:** Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Get medical attention.  
**Skin Contact:** Remove affected person from source of contamination. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.  
**Eye Contact:** Remove victim immediately from source of exposure. Immediately rinse with water for several minutes. Continue to rinse for at least 15 minutes and get medical attention.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: This product is not flammable. Use fire-fighting extinguishing media appropriate for surrounding materials.  
Unusual Fire & Explosion Hazards: No unusual fire or explosion hazards noted.  
Specific Hazards: The product is non-combustible. If heated, irritating vapours may be formed.  
Protective Measures in Fire: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE METHODS

Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet.  
Spill Clean up Methods: Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

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<b>7. HANDLING AND STORAGE:</b>	
Usage Precautions:	Avoid spilling, skin and eye contact. Avoid eating, drinking and smoking when using the product.
Storage Precautions:	Keep upright. Store in tightly closed original container in a dry and cool place.
Storage Class	Chemical storage

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<b>8. EXPOSURE CONTROLS</b>					
Name	Std	LT – ppm	LT – mg/m3	ST – ppm	ST – mg/m3
SODIUM HYDROXIDE	OES				2 mg/m3
Ingredient Comments	OES = Occupational Exposure Standard				
Protective Equipment	Approved safety goggles or face shield and protective gloves				
Process Conditions	Use engineering controls to reduce air contamination to permissible exposure level				
Respiratory Equipment	If ventilation is insufficient, suitable respiratory protection must be provided				
Hand Protection:	Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.				
Eye Protection:	Wear approved safety goggles.				
Other Protection:	Wear suitable protective clothing as protection against splashing or contamination				
Hygiene Measures:	Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.				

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<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
Appearance	Liquid
Colour	Brown
Odour	Slight odour
Solubility	Miscible with water
Relative Density	1.15 – 1.25
pH Value, Conc solution	10.0 – 10.5
Flashpoint:	Non flammable
Freezepoint (°C)	0°C

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<b>10. STABILITY AND REACTIVITY</b>	
Stability	Stable under normal temperature conditions and recommended use
Conditions to Avoid	Avoid excessive heat for prolonged periods of time.

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<b>11. TOXICOLOGICAL INFORMATION</b>	
Inhalation	Inhalation of spray mists may cause irritation
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting
Skin Contact	Irritating to skin
Eye Contact	Irritating to eyes

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<b>12. ECOLOGICAL INFORMATION</b>	
Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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<b>13. DISPOSAL CONSIDERATIONS</b>	
General Information	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority
Disposal Methods	Dispose of waste and residues in accordance with local authority requirements
Container	Triple rinse empty container thoroughly with water before disposal.

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**14. TRANSPORT INFORMATION**  
**LAND TRANSPORT**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)

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**15. REGULATORY INFORMATION**

Labelling	Irritant
Contains	Sodium Hydroxide
Risk Phrases	R36/38 Irritating to eyes and skin
Safety Phrases	S24/25 Avoid contact with skin and eyes
	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S36/39 Wear suitable protective clothing and eye/face protection
	S37 Wear suitable gloves
	S60 This material and its container must be disposed of as hazardous waste
UK Regulatory References	Chemicals (Hazard Information & Packaging) Regulations
Approved Code of Practice	Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

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**16. OTHER INFORMATION**

Revision Date:	5-2008
Risk Phrases in Full	R35 Causes severe burns

**DISCLAIMER**

This data sheet does not constitute a User's Assessment of Workplace Risk as required by HSW Act, COSHH, Management of Health and Safety at Work Regulations, or other Health and Safety Legislation. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.