

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **BW160**
CHEMICAL IDENTITY: Aqueous solution of water, tannins, polymer, carbonate
RECOMMENDED USE: Close circuit heating systems

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Hydraguard Limited
Rose Croft
Newton on Rawcliffe
Pickering
North Yorkshire
YO18 8QE

Tel No: **01751 475964**

2. HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Preparation containing water, tannins, polymer and carbonate

Name	EC No	CAS No	Content	Classification
SODIUM CARBONATE	207-838-8	497-19-8	10 - 20%	Xi;R36

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

4. FIRST AID MEASURES

Inhalation: Remove victim immediately from source of exposure. 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 if any discomfort continues.

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. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

Extinguishing Media: This product is not flammable. Use fire-fighting extinguishing media appropriate for surrounding materials.

Unusual Fire & Explosion Hazards: Oxides of sulphur, Oxides of carbon (under fire conditions)

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.

Environmental Precautions: Do not allow to enter water course or drains.

Spill Clean up Methods: Small spills: soak up with inert absorbent material. Sweep up and shovel. Reclaim into recovery or salvage drums. Large spills: Dam up. Reclaim into recovery or salvage drums. Flush with plenty of water to clean spillage area.

7. HANDLING AND STORAGE:

Usage Precautions: Avoid spilling, skin and eye contact. Use with adequate ventilation. Avoid eating, drinking and smoking when using the product.

Storage Precautions: Protect from freezing. Keep upright. Store in tightly closed original container in a dry and cool place. Storage for more than two years is not recommended.

Storage Class: Chemical storage

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8. EXPOSURE CONTROLS

OES = Occupational Exposure Standard	None
Engineering Measures	General ventilation is recommended
Protective Equipment	Wear 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. Wear organic vapour respirator.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Brown
Odour	Faint
Solubility	Miscible with water
Relative Density	1.15 – 1.17 (20°C)
pH Value, Conc solution	9.5 – 10.5
Freezing point:	0°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions and recommended use
Conditions to Avoid	Extremes of temperature.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of sulphur, oxides of carbon (under fire conditions)

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause irritation to the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin Contact	Liquid may irritate skin.
Eye Contact	Spray and vapour in the eyes may cause irritation and smarting.

12. ECOLOGICAL INFORMATION

Ecotoxicity	This product is not expected to be hazardous to the environment.
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13. DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose of waste and residues in accordance with local authority requirements.
Container	Triple rinse empty container thoroughly with water before disposal.

14. TRANSPORT INFORMATION

LAND TRANSPORT

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

15. REGULATORY INFORMATION

Risk Phrases	NC. Not classified
Safety Phrases	NC Not classified
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.

16. OTHER INFORMATION

Revision Date:	3-2008
Risk Phrases in Full	R36 Irritating to eyes

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.