

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **BW320**
CHEMICAL IDENTITY: Aqueous blend of sulphites with alkalinity builder
RECOMMENDED USE: Steam boiler treatment

1.2
Hydraguard Limited
Rose Croft
Newton on Rawcliffe
Pickering
North Yorkshire
YO18 8QE

Tel No: **01751 475964**

2. HAZARDS IDENTIFICATION

Contact with acids liberates toxic gas.

Classification : R31

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

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: No unusual fire or explosion hazard

Specific Hazards: Fire creates: sulphurous gases (sulphur dioxide SO₂). Keep containers exposed to fire cool with water spray. The product does not support combustion.

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: Absorb in vermiculite, dry sand or earth and place into containers. Transfer to a closable labelled salvage container for disposal by an appropriate method. Flush with plenty of water to clean spillage area.

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7. HANDLING AND STORAGE:

Usage Precautions: Avoid spilling, skin and eye contact. Avoid eating, drinking and smoking when using the product. Persons susceptible for allergic reactions should not handle this product.

Storage Precautions: Keep upright. Store in tightly closed original container in a dry and cool place.

Storage Class: Chemical storage

8. EXPOSURE CONTROLS

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

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

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: Clear liquid
Colour: Pale pink/mauve
Odour: Faint
Solubility: Soluble in water
Relative Density: 1.1 – 1.2
pH Value, Conc solution: 10.0 – 11.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions and recommended use

Conditions to Avoid: Direct sunlight. Extremes of temperature. Avoid excessive heat for prolonged periods of time. Low temperatures and frost.

Materials to Avoid: Acids.

Hazardous Decomposition Products: Contact with acids liberates toxic fumes of sulphur dioxide.

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.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of waste and residues in accordance with local authority requirements. Do not mix with other waste chemicals.

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).

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15. REGULATORY INFORMATION

Risk Phrases	R31 Contact with acids liberates toxic gas
UK Regulatory References Approved Code of Practice	Chemicals (Hazard Information & Packaging) Regulations 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	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.
