

HYDRAGUARD LIMITED

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **BW300**
CHEMICAL IDENTITY: Aqueous blend of sulphites, polymers and phosphates 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	
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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
Process Conditions
Respiratory Equipment
Hand Protection:

Eye Protection:
Other Protection:
Hygiene Measures:

Wear approved safety goggles or face shield and protective gloves.
Use engineering controls to reduce air contamination to permissible exposure level
If ventilation is insufficient, suitable respiratory protection must be provided
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.
Wear approved safety goggles.
Wear suitable protective clothing as protection against splashing or contamination
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 mauve
Odour	Faint
Solubility	Soluble in water
Relative Density	1.0 – 1.1
pH Value, Conc solution	9.0 – 10.0

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.

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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).

15. REGULATORY INFORMATION

Risk Phrases R31 Contact with acids liberates toxic gas

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 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.
