

# HYDRAGUARD LIMITED

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **BW345**  
CHEMICAL IDENTITY: Aqueous blend of potassium sulphite and alkalinity builder  
RECOMMENDED USE: Steam boiler treatment

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Hydraguard Limited  
Rose Croft  
Newton on Rawcliffe  
Pickering  
North Yorkshire YO18 8QE  
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### 2. HAZARDS IDENTIFICATION

Contact with acids liberates toxic gas.

Classification : R31

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Aqueous blend of potassium sulphite and alkalinity builder

### 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 SO<sub>2</sub>). 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.

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<b>6. ACCIDENTAL RELEASE METHODS</b>	
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. 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

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<b>8. EXPOSURE CONTROLS</b>	
Protective Equipment	Wear approved safety goggles or face shield and protective gloves.
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 tight fitting safety glasses where splashing is probable.
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	Clear liquid
Colour	Pale pink/mauve solution
Odour	Faint
Solubility	Soluble in water
Relative Density	1.10 – 1.20
pH Value, Conc solution	10.0 – 10.5

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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.
Materials to Avoid	Acids.
Hazardous Decomposition Products	Contact with acids liberates toxic gas

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<b>11. TOXICOLOGICAL INFORMATION</b>	
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.

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<b>12. ECOLOGICAL INFORMATION</b>	
Ecotoxicity	This product is not expected to be hazardous to the environment.

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<b>13. DISPOSAL CONSIDERATIONS</b>	
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**

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.

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**16. OTHER INFORMATION**

Revision Date:

3-2008

**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.

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