

# MATERIAL SAFETY DATA SHEET – SOOTBREAKER GS Liquid

## ***Kamco Limited***

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### **1. Product name / description:**

**SOOTBREAKER GS boiler cleaning liquid**

### **2. Composition / information on ingredients:**

Blend of alkaline earth oxidising agents and catalysts.

Potassium and sodium nitrates < 19%.

### **3. Hazards identification:**

**Oxidising agent** in aqueous solution.

### **4. FIRST AID MEASURES:**

Eyes: Irrigate thoroughly with water for at least 10 minutes.

Skin: Wash with soap and plenty of water.

Ingestion: Wash out mouth with water, and give water to drink. **DO NOT INDUCE VOMITING.** If patient feels unwell seek medical attention.

Inhalation: n/a.

### **5. Fire fighting measures:**

Flammable materials soaked in SOOTBREAKER GS, when dried out, will burn rapidly.

Extinguishing with water spray, carbon dioxide, foam, or BCF.

### **6. Accidental release measures:**

Flush with plenty of water.

### **7. Handling & storage**

Storage: SOOTBREAKER GS is an oxidising agent, and should be stored away from combustible materials such as paper or cardboard, oxidisable materials, and acids.

Keep containers closed when not in use.

### **8. Exposure controls / personal protection:**

Hand protection: Wear PVC or rubber gloves.

Eye protection: Wear goggles or face visor when spraying SOOTBREAKER GS.

**9. Physical & chemical properties:**

- Appearance: Orange liquid with slight ammoniacal smell.
- Specific gravity: 1.08
- Solubility in water: infinite.
- pH of 1% solution: 7.5

**10. Stability & reactivity:**

Stability: Stable.

Materials to avoid: Combustible materials and acids.

Hazardous decomposition products: small amounts of nitrogen oxides produced when product is reacted within boiler, but these exit with the flue gases.

**11. Toxicological information:**

Eyes: spray may cause irritation to eyes.

Inhalation: material may irritate mucus membranes and the upper respiratory tract.

**12. Ecological information:**

Ecotoxicity: small hazard to aquatic life.

Persistence:

**13. Disposal considerations:**

Flush with plenty of water.

**14. Transport information:**

**Shipping name: SOOTBREAKER GS liquid.**

**15. Regulatory information:**

Classification: Oxidising.

- RISK PHRASES:
  - R8 Contact with combustible material may cause fire.
  - R25 Toxic if swallowed.
  - R36 Irritating to eyes.
- SAFETY PHRASES:
  - S17 Keep away from combustible material.
  - S24/25 Avoid contact with skin and eyes.

**16. Other information:**

Usual application of product: Applied in spray form to fireside of gas fired boilers to loosen and remove combustion deposits.

**Legal disclaimer:** The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.