

# MATERIAL SAFETY DATA SHEET – SCALBREAKER LS3

## ***Kamco Limited***

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

**SCALEBREAKER LS3 boiler cleaning liquid**

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

Blend of reactants, including ammonium bicarbonate, CAS no.:1066-33-7, corrosion inhibitors, and sequestrants.

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

Classification (67/548): Xi;R22

Classification (EC 1272/2008):

- Physical: Not classified
- Health: Acute Tox. 4 – H302
- Environmental: Not classified

Label in accordance with (EC) No. 1272/2008: GHS07

Signal word: Warning

Hazard Statements: H302 Harmful if swallowed

Precautionary Statements:

- P264: Wash hands thoroughly after handling
- P270: Do not eat, drink or smoke when using this product.
- P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330: Rinse mouth.
- P501: Dispose of contents by flushing away with water and neutralising with alkali to neutral pH. For large quantities, seek advice from specialist waste disposal company.



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

Eyes: Wash immediately with copious amounts of water. If irritation persists, seek medical attention.

Skin: None, non irritant.

Ingestion: Wash out mouth thoroughly, and drink plenty of water. Should cause no adverse effect under normal circumstances.

Inhalation: n/a.

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

Material is non-flammable, nor will it support combustion.

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

Spillages: Dilute with water, and flush to drain with plenty of water.

<p><b>7. Handling &amp; storage:</b></p> <p>Use in a well ventilated area.  Avoid eye contact.  Store in a cool area. Scalebreaker LS3 has a relatively high vapour pressure, and storage of containers at high temperatures may cause the container to bulge slightly. If so, release cap carefully, to lower pressure.</p>
<p><b>8. Exposure controls / personal protection:</b></p> <p>Scalebreaker LS3 is a mildly alkaline liquid, and is safe to handle. Nevertheless, the use of gloves and safety goggles during boiler cleaning is a prudent precaution. Use in a well ventilated area.</p>
<p><b>9. Physical &amp; chemical properties:</b></p> <ul style="list-style-type: none"> <li>• Appearance: fluorescent green liquid.</li> <li>• Odour: ammoniacal smell</li> <li>• Density: ca. 1.07 kg/litre.</li> <li>• pH of 1% solution: ca. 7</li> <li>• Solubility in water: infinite.</li> </ul>
<p><b>10. Stability &amp; reactivity:</b></p> <p><u>Conditions to avoid:</u> Avoid extremes of temperature.  Will react with acids, liberating carbon dioxide.</p>
<p><b>11. Toxicological information:</b></p> <p>Non toxic.</p>
<p><b>12. Ecological information:</b></p> <p>Practically non toxic to living resources.</p>
<p><b>13. Disposal considerations:</b></p> <p>Dilute with water, and flush to drain with plenty of water. Observe local disposal regulations.</p>
<p><b>14. Transport information:</b></p> <p><b>Shipping name: SCALEBREAKER LS3.</b></p>
<p><b>15. Regulatory information:</b></p> <p><u>Risk phrases:</u> R22 – Harmful if swallowed.</p>
<p><b>16. Other information:</b></p> <p>Usual application of product: Cleaning and loosening the fireside of oil, gas, and coal-fired boilers.</p> <p><b>Legal disclaimer:</b> 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.</p>