

MATERIAL SAFETY DATA SHEET- SCALEBREAKER DSC

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1. Product name / description:

SCALEBREAKER DSC cleaning liquid
for modular boiler heat exchangers.

2. Composition / information on ingredients:

Blend of sodium hydrogen sulphate (ca. 30%), CAS no.: 7681-38-1, in aqueous solution, wetting agents and corrosion inhibitors.

3. Hazards identification:

Corrosive.

4. FIRST AID MEASURES:

Eyes: Flush with water for at least 15 minutes. Seek medical attention.

Skin: Flush with water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: **DO NOT INDUCE VOMITING**. Wash out mouth with water. Drink plenty of water or milk. Seek medical attention.

Inhalation: n/a.

5. Fire fighting measures:

Material is non-flammable, nor will it support combustion. Use extinguisher suitable to cause of fire.

6. Accidental release measures:

Spillages: Dilute with water and neutralise with sodium carbonate, bicarbonate, or hydroxide. Rinse with water.

7. Handling & storage:

Handling: Avoid skin and eye contact. Avoid contact with clothing.

Storage: Store at ambient temperatures. Keep container tightly closed when not in use.

Keep away from materials which react with acids.

Keep NEUTRALISING CRYSTALS available to help deal with small spillages.

Not suitable for storage in metal containers.

8. Exposure controls / personal protection:

Hand protection: Wear rubber or PVC gloves.

Eye protection: Wear safety goggles or face shield.

9. Physical & chemical properties:

- Appearance: Clear dark blue liquid.
- Odour: Slight sweet smell.
- Density: ca. 1.18 kg/litre.
- pH of 10% solution: ca. 0.9
- Solubility in water: infinite.

10. Stability & reactivity:

Conditions to avoid: Avoid contact with alkalis. SCALEBREAKER DSC will react with these, generating heat.

Materials to avoid: Do not mix with oxidising agents.

Hazardous decomposition products: Attacks some metals, liberating flammable hydrogen gas.

<p>11. Toxicological information: Liquid can cause severe irritation to skin and eyes. Aspiration during swallowing or vomiting will damage the lungs.</p>
<p>12. Ecological information: Practically non toxic to living resources.</p>
<p>13. Disposal considerations: Dispose of by flushing away with water and neutralising with alkali such as sodium carbonate, NEUTRALISING CRYSTALS, to neutral pH. Observe local disposal regulations.</p>
<p>14. Transport information:</p> <ul style="list-style-type: none"> • UN no: • IMDG Class 8, CORROSIVE. • ADR Class 8, CORROSIVE. <p>Shipping name: SCALEBREAKER DSC liquid.</p>
<p>15. Regulatory information: <u>Symbol:</u> CORROSIVE.</p> <ul style="list-style-type: none"> • <u>RISK PHRASES:</u> R34 Causes burns. R37 Irritating to respiratory system. • <u>SAFETY PHRASES:</u> S2 Keep out of reach of children. S24/25 Avoid skin and eye contact. S26 In case of contact with eyes, rinse immediately with plenty of water, and seek medical advice. S28 After contact with skin, wash immediately with plenty of water. S46 If swallowed, seek medical advice immediately and show this MSDS sheet.
<p>16. Other information: <u>Usual application of product:</u> Cleaning and loosening combustion deposits on the fireside of gas fired modular boilers. <u>Other precautions:</u> Provide suitable ventilation when using. Some hydrogen may be involved, and this is a flammable gas. Avoid smoking nearby, or any other means of ignition.</p>
<p>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.</p>

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