

MATERIAL SAFETY DATA SHEET - SCALEBREAKER SR

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1. Product name / description:

SCALEBREAKER SR descaling crystals.

2. Composition / information on ingredients:

Blend of organic crystalline acids, corrosion inhibitor, methyl orange colour change indicator and surfactant.

Sulphamic acid (ca. 98%). CAS No: 5329-14-6

3. Hazards identification:

Irritant. Contains sulphamic acid. Harmful to eyes, and can cause irritation to skin on prolonged contact. Solutions can cause acid burns.

4. FIRST AID MEASURES:

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

Skin: Wash with plenty of water. Seek medical attention in cases of severe burning.

Ingestion: **DO NOT INDUCE VOMITING.** Drink plenty of water or milk. Seek medical attention. Never give an unconscious person anything by mouth.

Inhalation: Remove patient to fresh air.

5. Fire fighting measures:

Material is not flammable. Use any suitable fire fighting medium for other materials present.

6. Accidental release measures:

Dispose of according to local authority guidelines. For large spillages, sweep and shovel into a bin and flush area of floor with water. For small spillages, flush away with copious amounts of water.

7. Handling & storage:

Handling: Avoid skin and eye contact.

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

Keep away from materials which react with acids.

8. Exposure controls / personal protection:

Respiratory protection: Avoid breathing dust.

Hand protection: Wear rubber or PVC gloves.

Eye protection: Wear goggles.

9. Physical & chemical properties:

- Appearance: Pinkish-red crystals.
- Density: ca. 1.30 kg / litre.
- Odour: Very slight sharp odour.
- pH of 10% solution: 1.2
- Solubility in water: 22% at 20°C.

10. Stability & reactivity:

Conditions to avoid: Extremes of temperature.

Materials to avoid: Do not mix with oxidising agents.

Hazardous decomposition products: At temperatures greater than 120°C, decomposition products are sulphur dioxide, sulphur trioxide, and nitrogen.

<p>11. Toxicological information: <u>Skin contact:</u> Will cause irritation to skin. <u>Eye contact:</u> Irritation to the eye will occur. <u>Ingestion:</u> Irritation to the digestive system will occur.</p>
<p>12. Ecological information: Does not present ecological hazard other than low pH.</p>
<p>13. Disposal considerations: Dispose of by flushing away with water and neutralising with alkali to neutral pH. For large quantities, seek advice from specialist waste disposal company.</p>
<p>14. Transport information:</p> <ul style="list-style-type: none"> • UN No. 2967 • IMDG Class 8 IMDG page no: 8219 Packing group III • ADR Class 8 • ICAO/IATA Class 8 <p>Shipping name: SCALEBREAKER SR crystals.</p>
<p>15. Regulatory information: <u>Symbol:</u> IRRITANT</p> <ul style="list-style-type: none"> • <u>RISK PHRASES:</u> <ul style="list-style-type: none"> R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. R38 Irritating to skin. R52 Harmful to aquatic organisms. R53 May cause long-term adverse effects in the aquatic environment. • <u>SAFETY PHRASES:</u> <ul style="list-style-type: none"> S2 Keep out of reach of children. 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.
<p>16. Other information: <u>Usual application of product:</u> Descaling of plant and equipment. <u>Other precautions:</u> Provide suitable ventilation when descaling. Some hydrogen may be evolved, and this is a highly 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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