

MATERIAL SAFETY DATA SHEET- ZnI Inhibitor

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1. Product name / description:

ZnI corrosion inhibitor

2. Composition / information on ingredients:

Ethoxylated amine > 99%.

CAS number: 62-56-6

3. Hazards identification:

Mild irritant to skin and to nasal passages.

Harmful if swallowed.

4. FIRST AID MEASURES:

Eyes: Irrigate for at least ten minutes with copious amounts of water.

Skin: Wash with soap and plenty of water. Remove contaminated clothing, and wash before re-use. If irritation persists, seek medical attention.

Ingestion: Wash out mouth with water, and seek medical attention.

DO NOT INDUCE VOMITING. If patient is conscious, give water to drink.

Inhalation: Remove from exposure, rest and keep warm. If recovery is not rapid, seek medical attention.

5. Fire fighting measures:

Suitable extinguishers: Foam, water spray. Cool containers with water spray.

Hazardous combustion products: Oxides of carbon, oxides of nitrogen, oxides of sulphur.

6. Accidental release measures:

Sweep up and flush to waste with plenty of water.

7. Handling & storage:

Handling: - ventilation: Good general ventilation.

Keep container tightly closed when not in use. Avoid unnecessary contact with product.

Storage: Store product in a cool, dry, place.

8. Exposure controls / personal protection:

Protective gloves: PVC or rubber.

Eye protection: Goggles or face visor.

Skin: overalls and boots.

9. Physical & chemical properties:

- Appearance : Crystalline white powder.
- Odour: Slight "fishy" amine smell.
- Specific gravity: ca. 1.41
- Solubility in water: 137 g/l @ 20° C
- pH of 1% solution: 7.2
- Flammability: Not highly flammable.

10. Stability & reactivity:

Conditions to avoid: Temperatures above 140°C. Keep away from heat or sources of ignition.

Materials to avoid: Strong oxidising agents, strong bases.

11. Toxicological information:

LD50 1750 mg/Kg oral-rat.

>2800 mg/Kg skin-rabbit.

<p>12. Ecological information: Toxic to aquatic organisms in higher concentrations.</p>
<p>13. Disposal considerations: Small quantities: Flush to waste with plenty of water.</p>
<p>14. Transport information:</p> <ul style="list-style-type: none"> • UN number: 3077 • Packing group III • ADR Class: 9
<p>15. Regulatory information: <u>Label name:</u> ZnI Booster inhibitor.</p> <ul style="list-style-type: none"> • <u>RISK PHRASES:</u> R22 Harmful if swallowed. R40 Limited evidence of a carcinogenic effect. R51 Toxic to aquatic organisms. R53. May cause long-term adverse effects in the aquatic environment. • <u>SAFETY PHRASES:</u> S22 Do not breathe dust. S24 Avoid contact with skin. S36 Wear suitable protective clothing. S37 Wear suitable gloves.
<p>16. Other information: <u>Usual application:</u> As a booster inhibitor for use with Scalebreaker SR to allow descaling of zinc and galvanised equipment.</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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