

SAFETY DATA SHEET

Product Name: Stain and Scale Inhibitor																									
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6. Accidental release measures

Personal	Wear appropriate protection equipment
Environmental precautions:	Prevent entry of large volumes into drains and water courses.
Clean up procedure:	Bund or absorb material with sand, earth or other suitable absorbent material. If possible, transfer to a salvage tank, otherwise absorb residues and place in suitable labelled containers and hold for waste disposal.

7. Handling and Storage

Safe Handling advice:	Avoid contact with eyes. Do not breathe fumes or vapour.
Storage	Ambient humidity range. Ambient temperatures.
Ventilation	Good General ventilation.
Suitable Storage Media	Glass, PVC, Polypropylene, GRP, Polyethylene

8. Exposure Controls Personal Protection

Hand Protection	Impervious gloves
Eye protection	Goggles or face shield.
Skin protection	Overalls and boots.
Respiratory protection	Type approved RPE for organic vapours and mists if required.
Hygiene Measures:	Always wash thoroughly after handling chemicals.

9. Physical and chemical properties

Appearance	Clear yellow liquid
Odour	Characteristic
pH	< 2 @ 1% aqueous solution
Melting point/range	- 25°C
Boiling Point	104°C
Flammability	Not flammable in normal conditions of handling or use.
Partition Coefficient	Log Pow -3.5
Relative Density	1.45
Solubility in water	Completely soluble

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10. Stability and reactivity

Stability	Stable to - 15 °C
Known Hazardous Reactions	Attacks many metals evolving flammable hydrogen gas.
Materials to avoid	Mild Steel, copper and alloys
Hazardous decomposition products	Carbon monoxide, carbon dioxide, phosphorous oxides.

11. Toxicological information

Effects	Low acute toxicity. May cause mild irritation in contact with skin. Not classified as irritating to skin. Risk of severe damage to eyes.	
LD50	2400 mg/Kg oral-rat	3500 mg/Kg skin-rat

12. Ecological Information

Environmental Effects	It is expected to be removed extensively from sewage water through water treatment processes such as activated sludge treatment, mainly by adsorption and to a small extent biologically.	
Biodegradability	Slowly Biodegradable. Modified OECD screening test 1-3% of theoretical CO2 evolution.	
Bioaccumulative Potential	Low	
Aquatic toxicity	LC50, 96 h, rainbow trout = 368 mg/l LC50, 96 h, Bluegill sunfish = 868 mg/l EC50, 48 h, Daphnia magna = 527 mg/l	

13. Disposal Considerations

Substance	Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated packaging	As substance. Used containers must not be cut up or punctured until completely purged of product residues.

14. Transport Information

UN Number	3265
Primary Hazard	Corrosive
Packing Group	III

H.I. Number	80
Class/Item No.	8, 40(C)
Emergency Action Code	2X
15. Regulatory Information	
Supply Label Details Label Name	Stain and Scale Inhibitor
Symbols	Irritant
Risk Phrases	41 Risk of serious damage to eyes
Safety Phrases	27 – 28 – 39 Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water. Wear eye/face protection
E.C. No.	Use of this material may be governed by the following regulations Users are advised to consult these regulations for further information. The information contained in this data sheet does not constitute an assessment of workplace risks.
16 Other Information	
This material is usually for	Sequestration, deflocculation, scale inhibition, corrosion inhibition.
The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.	