



TECHNICAL DATA SHEET

Product Name: ASHAION® SI 240 S

Product Type: Scale Inhibitor

Application: Open Cooling Systems

1. Product Description

ASHAION® SI 240 S is a high-performance scale inhibitor specifically formulated for open cooling systems. It effectively controls calcium carbonate (CaCO_3) scaling by employing a synergistic blend of threshold inhibitors, thereby enhancing heat transfer efficiency and prolonging system life.

2. Key Features & Benefits

- Prevents CaCO_3 scale formation in open cooling systems
- Excellent threshold inhibition properties
- Compatible with most cooling system components
- Stable under a wide range of pH and temperature conditions
- Reduces maintenance frequency and downtime

3. Typical Properties

Property	Value
Appearance	Clear to pale yellow liquid
Odor	Mild, characteristic
pH (as supplied)	2.5 – 3.5
Specific Gravity @ 25°C	1.10 ± 0.05
Solubility in Water	Completely soluble
Shelf Life	12 months from the date of manufacture

4. Applications

- Open recirculating cooling water systems
- HVAC cooling towers
- Evaporative condensers

- Heat exchangers

5. Dosing Guidelines

Initial Dose: 50–100 ppm based on system water volume

Maintenance Dose: 25–75 ppm, depending on scaling potential and water quality

Site-specific dosing should be determined through technical consultation or field analysis.

6. Handling & Safety Instructions

- Use protective gloves and goggles when handling
- Avoid contact with skin and eyes
- In case of contact, rinse immediately with water
- Store in a cool, dry, and well-ventilated area
- Refer to the MSDS for complete safety information

7. Packaging

Available in 30 kg, 50 kg, and 200 kg HDPE drums.

8. Regulatory Information

This product complies with standard industry regulations for industrial water treatment chemicals. Not intended for potable water systems.

9. Storage & Shelf Life

Store at temperatures between 5°C and 40°C

Keep container tightly closed when not in use

Shelf life: 12 months from date of manufacture

10. Technical Support

For dosing assistance, on-site system evaluation, or customized water treatment programs, please contact:

Email: sales@asharesins.com

Phone: +91 70282 00892

Website: www.asharesins.com