



TECHNICAL DATA SHEET

Product Name: ASHAION® SC 230

Category: Scale & Corrosion Inhibitor (Phosphate-Free)

Application: Cooling Water Treatment

1. Product Description

ASHAION SC 230 is a high-performance, single-drum, phosphate-free scale and corrosion inhibitor specifically formulated for use in open recirculating cooling water systems. It provides effective control of scale formation and corrosion in systems comprising mild steel and copper or copper alloys. The product is designed to maintain system cleanliness, extend equipment life, and improve operational efficiency.

2. Key Features & Benefits

- Phosphate-Free: Environmentally friendly and compliant with discharge regulations.
- Dual Protection: Simultaneously inhibits scale and corrosion.
- Multi-Metal Compatibility: Suitable for MS, Cu, and Cu-alloy systems.
- Stabilized Zinc Technology: Enhances corrosion protection for yellow metals.
- Polymer Synergy: Keeps surfaces clean by dispersing precipitated solids and fouling agents.

3. Typical Properties

Parameter	Value
Appearance	Clear to pale yellow liquid
Odor	Mild, characteristic
Specific Gravity @ 25°C	1.10 ± 0.05
pH (Neat)	2.5 – 3.5
Solubility in Water	Completely Soluble
Freeze Point	Below -5°C

Flash Point

Non-flammable

4. Application & Dosing

Dosing should be determined based on system parameters such as hardness, cycles of concentration, make-up water quality, and operational temperature. Typical dosage ranges from 50 to 150 ppm in circulating water. Always consult your technical service representative for system-specific recommendations.

5. Material Compatibility

Compatible with most materials used in cooling water systems including mild steel, copper, brass, and plastics. Not recommended for use in systems containing aluminum components without prior evaluation.

6. Packaging

Available in 30 kg, 50 kg, and 200 kg HDPE drums. Custom packaging available on request.

7. Storage & Handling

- Store in a cool, dry, and well-ventilated area.
- Avoid direct sunlight and freezing conditions.
- Shelf life: 12 months from the date of manufacture when stored in original sealed container.

8. Safety & Precautions


- Use personal protective equipment (PPE) including gloves and eye protection.
- Avoid contact with skin and eyes.
- In case of contact, rinse immediately with plenty of water.
- Refer to the Safety Data Sheet (SDS) for full handling and disposal instructions.

9. Regulatory Compliance

Complies with applicable industrial water treatment standards. For specific country or region-based regulations, consult your local representative.

For further information or technical assistance, please contact:

Asha Resins Limited

 +91 70282 00892

✉ sales@asharesins.com

🌐 www.asharesins.com