



TECHNICAL DATA SHEET (TDS)

Product Name: ASHAION® CI 210

Product Type: Corrosion Inhibitor

Application: Open Cooling Water Systems

Product Description

ASHAION® CI 210 is a high-performance corrosion inhibitor designed for open recirculating cooling water systems. It offers effective protection for mild steel and associated metallurgy by forming a protective layer on metal surfaces. The formulation ensures both anodic and cathodic inhibition, providing comprehensive corrosion control.

Key Features & Benefits

- Provides dual anodic and cathodic protection
- Minimizes corrosion rates in open loop cooling water circuits
- Compatible with a wide range of water qualities
- Minimizes downtime and extends equipment life
- Environmentally safer than traditional chromate-based inhibitors

Applications

- Industrial cooling towers
- Air conditioning systems
- Heat exchangers
- Recirculating cooling loops in process industries

Physical & Chemical Properties

Property	Value
Appearance	Clear to pale yellow liquid
Odor	Mild
pH (as supplied)	9.0 – 11.0
Specific Gravity	1.10 – 1.25 @ 25°C

Solubility	Completely miscible in water
Freezing Point	< 5°C

Dosage & Feeding

The typical dosage ranges from 50 to 150 ppm depending on system conditions, metallurgy, and water chemistry.

To be fed continuously into the system recirculating line or directly into the cooling tower basin using a chemical dosing pump.

For precise dosage recommendations, consult your ASHAION® technical representative.

Storage & Handling

- Store in a cool, dry, and well-ventilated area
- Keep container tightly closed when not in use
- Protect from direct sunlight and freezing

Shelf Life

12 months from the date of manufacture when stored properly in original packaging.

Safety & Precautions

- Use protective gloves, goggles, and clothing when handling
- Avoid contact with skin and eyes
- In case of contact, rinse immediately with plenty of water
- Refer to the Material Safety Data Sheet (MSDS) for detailed safety instructions

Packaging

Available in 30 kg, 50 kg, and 200 kg HDPE drums or as per customer requirement

Disclaimer

The information contained in this document is based on our current knowledge and experience. It does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.