



TECHNICAL DATA SHEET

ASHAION® BIO 250 N – Non-Oxidizing Biocide

Product Information

Product Name: ASHAION® BIO 250 N

Product Type: Non-Oxidizing Biocide

Function: Microbiological Control in Industrial Water Systems

Appearance: Clear to pale yellow liquid

Odor: Mild

Solubility: Completely soluble in water

pH (Neat): 6.0 – 7.5

Specific Gravity (@25°C): 1.02 – 1.05

Active Content: DTC – 20%

Packing: 50 kg HDPE carboys / 200 kg drums / IBCs

Shelf Life: 12 months from date of manufacture

Storage Conditions: Store in a cool, dry, and well-ventilated place. Avoid direct sunlight.

Product Description

ASHAION® BIO 250 N is a high-performance, broad-spectrum non-oxidizing biocide specially formulated for industrial water treatment.

It provides fast action against bacteria, algae, and fungi in cooling water systems, pasteurizers, and air washers.

It is effective over a wide range of pH and temperatures and is compatible with most water treatment additives.

Applications

- Cooling Towers (open and closed loop systems)
- Pasteurizers in food and beverage processing
- Air Washer Systems
- Chillers and HVAC units

Key Features & Benefits

- Fast-acting and broad-spectrum control
- Non-oxidizing chemistry – less corrosive on system metallurgy
- Effective in hard water conditions
- Compatible with other cooling water treatment chemicals
- Helps reduce biofilm formation and microbial-induced corrosion (MIC)

Dosage & Feeding

- Initial Dose: 100 – 200 ppm depending on system contamination
- Maintenance Dose: 50 – 100 ppm based on microbiological testing
- Dosing frequency and concentration should be adjusted based on system monitoring and microbial count.

Handling & Safety

- Use appropriate personal protective equipment (PPE) including gloves and goggles.
- Avoid direct contact with skin and eyes.
- In case of contact, rinse thoroughly with water and seek medical advice if necessary.
- Refer to the Material Safety Data Sheet (MSDS) for full safety guidelines.

Regulatory Compliance

ASHAION® BIO 250 N complies with general industrial water treatment norms. Not recommended for potable water applications.

Note

Always consult with an Asha Resins Limited technical representative for specific system recommendations and compatibility assessment.