



## Technical Data Sheet (TDS)

### Product Name:

ASHAION BIO 255 OX

### Product Description:

ASHAION BIO 255 OX is a high-performance oxidizing biocide formulated to effectively control biological fouling such as algae, bacteria, and fungi in open and closed loop cooling water systems. It ensures system efficiency by preventing microbiological growth that can lead to corrosion, blockages, and reduced heat transfer.

### Applications:

- - Open Recirculating Cooling Systems
- - Closed Loop Cooling Systems
- - Industrial Cooling Towers
- - Heat Exchangers
- - Chillers and HVAC Systems

### Key Features & Benefits:

- - Rapid and effective microbiological control
- - Helps in maintaining optimal heat exchange efficiency
- - Reduces system downtime and maintenance costs
- - Compatible with most cooling water treatment programs
- - Easy to dose and monitor

### Technical Specifications:

Parameter	Typical Value
Appearance	Clear to slightly yellow liquid
Odor	Slight chlorine odor
pH (as supplied)	11.0 – 13.0
Specific Gravity (@25°C)	1.15 – 1.25
Solubility	Completely miscible with water

Active Content

Available chlorine 10–12%

### **Usage & Dosing Guidelines:**

Typical Dosage: 50–100 ppm based on system water volume, depending on severity of biological fouling.

Method of Addition: Can be dosed manually or via automated dosing systems.

Frequency: Continuous or intermittent dosing based on microbiological monitoring and system requirements.

Note: Always conduct jar testing or consult a water treatment specialist before application.

### **Handling & Safety:**

- - Handle with suitable protective equipment (gloves, goggles, apron).
- - Avoid direct contact with skin and eyes.
- - Store in a cool, well-ventilated area away from direct sunlight and incompatible materials like acids.
- - Refer to the Safety Data Sheet (SDS) for detailed information.

### **Storage & Shelf Life:**

Storage Temperature: 5°C to 30°C

Shelf Life: 6 months from the date of manufacture when stored in unopened original containers under recommended conditions.

### **Packaging:**

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

### **Important Notes:**

- - Do not mix with other chemicals unless recommended.
- - Ensure system pH and conditions are suitable for oxidizing biocide application.