ASHA Resins Limited
(Formerly known as Asha Resins Private Limited)

TECHNICAL DATA SHEET (TDS)

Product Name: ASHAION® BIO 321 GL

Product Type: Non-Oxidizing Biocide

Application: RO Systems – Microbial Control

Product Description

ASHAION® BIO 321 GL is a fast-acting, non-oxidizing biocide designed to control microbial growth in reverse osmosis (RO) systems. It effectively eliminates a wide spectrum of bacteria, fungi, and algae, ensuring the longevity and performance of membranes by minimizing biofouling.

Key Features & Benefits

- Rapid and effective action against microbial contamination

- Compatible with most RO membranes

- Minimizes biofilm formation and reduces cleaning frequency

- Enhances system performance and extends membrane life

- Broad-spectrum biocidal activity

Recommended Applications

- Industrial RO and UF systems

- Food and beverage processing plants

- Pharmaceutical water purification units

- Cooling tower feedwater treatment

- Any membrane-based water treatment systems requiring microbial control

Usage Guidelines

• Dosing: As per system requirement; typically 50–200 ppm in the feed stream
• Frequency: Continuous or shock dosing based on microbial load
• Compatibility: Compatible with polyamide membranes; confirm with membrane manufacturer if in doubt

• Monitoring: Regular monitoring of microbial counts and system performance is advised

Handling & Safety

• Use appropriate personal protective equipment (PPE) during handling
• Avoid contact with skin and eyes
• In case of contact, rinse thoroughly with water and seek medical attention if irritation persists
• Do not mix with other chemicals unless advised
• Refer to the Safety Data Sheet (SDS) for detailed safety and first aid information

Storage & Shelf Life

• Store in a cool, dry, and well-ventilated area away from direct sunlight
• Keep containers tightly closed when not in use
• Shelf life: 12 months from the date of manufacture when stored under recommended conditions

Packaging

• Available in HDPE containers of 5 L, 25 L, and 50 L

Disclaimer

The information provided in this TDS is based on our current knowledge and experience. It is the user's responsibility to determine the product's suitability for specific applications and conditions.