



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

Product Brochure / Sales Sheet

ASHAION OX 133 HZ – Oxygen Scavenger (Hydrazine-Based)

Brand: ASHAION® – Asha Resins Limited

Product Overview

ASHAION OX 133 HZ is a powerful hydrazine-based oxygen scavenger developed for high-pressure boiler systems. It chemically removes dissolved oxygen from boiler feedwater, reducing the risk of corrosion and extending equipment life. Additionally, it promotes the formation of a protective magnetite (Fe_3O_4) film on metal surfaces, enhancing system durability.

Key Features

- Hydrazine-Based Formulation – Ideal for high-pressure applications
- Magnetite Film Formation – Passive protection against corrosion
- Quick Reaction with Oxygen – Ensures minimal oxygen residual
- High Purity Composition – Reduces side effects and contamination
- Compatible with Common Boiler Chemistries

Recommended Applications

- Power plants and energy utilities
- Process industries with high-pressure steam generation
- Thermal & captive power units
- Pharmaceutical and food-grade steam systems (non-contact)

Technical Specifications

Parameter	Value
Appearance	Clear to pale yellow liquid
Active Ingredient	Hydrazine Hydrate (20% solution)
Auxiliary Component	Diethylhydroxylamine
pH (1% Solution)	9.5 – 10.5
Specific Gravity	1.02 – 1.05 @ 25°C
Solubility	100% Water Soluble

Packaging	50 L HDPE Drum / 200 L Drum
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Typical Dosage

Dosage depends on boiler size, pressure, and dissolved oxygen content.
General Guideline: 1 ppm of oxygen requires 1.0 – 1.2 ppm of hydrazine.

Contact our technical team for exact dosing recommendations based on your system.

Packaging & Shelf Life

- Available Packs: 50 L HDPE Can, 200 L HDPE Drum
- Storage: Store in a cool, shaded area with proper ventilation
- Shelf Life: 12 months from date of manufacture in original sealed containers


Handling & Safety

- Use with appropriate PPE (gloves, goggles, respirator)
- Avoid inhalation and direct contact with skin or eyes
- Refer to the MSDS before handling
- Keep away from oxidizers and acids

Contact Us

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