



Technical Data Sheet (TDS)

ASHAION® OX 133 HZ

Oxygen Scavenger (Hydrazine-Based)

Application: Boiler Water Treatment – High Pressure Systems

1. Product Description

ASHAION® OX 133 HZ is a high-performance hydrazine-based oxygen scavenger formulated for high-pressure boiler systems. It effectively removes dissolved oxygen from boiler feedwater, thus preventing oxygen-induced corrosion. It promotes the formation of a protective magnetite (Fe_3O_4) film on internal metal surfaces, enhancing the lifespan and reliability of boiler equipment.

2. Features and Benefits

- Rapid and complete removal of dissolved oxygen
- Forms a protective magnetite film
- Suitable for high-pressure boilers
- Compatible with most boiler treatment programs
- Helps prevent pitting corrosion

3. Physical and Chemical Properties

Property	Typical Value
Appearance	Clear, colorless to pale yellow liquid
Odor	Ammonia-like
pH (as supplied)	8.0 – 10.5
Specific Gravity @ 25°C	1.00 – 1.05
Solubility in Water	Completely miscible
Freezing Point	Below 0°C

Boiling Point

Above 100°C

4. Dosage and Feeding

- Dosage should be based on the level of dissolved oxygen present and system operating conditions.
- Typical feed rates range from 5 to 50 ppm of product, adjusted based on real-time oxygen measurements.
- Feed into the deaerator storage tank or feedwater line for best results.

5. Handling and Safety

- Use appropriate personal protective equipment (PPE) including gloves, goggles, and protective clothing.
- Avoid contact with skin and eyes.
- Use only in well-ventilated areas.
- Refer to the Safety Data Sheet (SDS) before use.

6. Packaging

ASHAION® OX 133 HZ is available in the following packaging options:

- 30 kg carboys
- 200 kg HDPE drums
- Custom packaging available upon request

7. Storage and Shelf Life

- Store in a cool, dry, and well-ventilated area away from direct sunlight and incompatible substances.
- Keep containers tightly closed when not in use.
- Shelf life: 12 months from the date of manufacture in unopened original containers.

8. Compliance & Quality Assurance

- Manufactured in an ISO 9001:2015 certified facility
- Product undergoes rigorous in-house quality control testing
- Consistent batch-to-batch performance assured

For technical assistance or additional information, contact:

Asha Resins Limited

Gat No. 227/2, Alandi Markal Road, Dhanore, Maharashtra – 412105

✉ sales@asharesins.com | ☎ +91 70282 00892

🌐 www.asharesins.com