



Technical Data Sheet (TDS)

Product Name: ASHAION® SL 140

Product Type: Sludge Conditioner

1. Product Description

ASHAION SL 140 is a high-performance sludge conditioner designed for use in boiler water treatment programs. It effectively disperses sludge and prevents deposition on boiler surfaces, ensuring improved heat transfer and reduced maintenance. The product utilizes advanced synthetic polymers and dispersants to suspend and transport sludge particles for blowdown removal.

2. Applications

- Suitable for low to medium pressure boilers.
- Recommended for systems using feedwater with high levels of suspended solids or hardness salts.
- Ideal for use with softened, demineralized, or reverse osmosis-treated feedwater.

3. Key Benefits

- Prevents sludge buildup and hard deposits on boiler tubes.
- Enhances boiler efficiency and reduces fuel consumption.
- Compatible with other boiler treatment chemicals.
- Minimizes boiler blowdown and water losses.
- Extends equipment life and reduces downtime.

4. Physical & Chemical Properties

| Parameter | Value |
|-------------------------|------------------------------------|
| Appearance | Clear to pale yellow liquid |
| Odour | Mild |
| pH (as supplied) | 7.0 – 9.0 |
| Specific Gravity @ 25°C | 1.05 ± 0.05 |
| Solubility in Water | Completely soluble |
| Shelf Life | 12 months from date of manufacture |

5. Dosage & Feeding

- Typical dosage range: 50–150 ppm, depending on feedwater characteristics and boiler pressure.
- Should be fed continuously into the feedwater line or boiler drum using a chemical dosing pump.
- Consult Asha Resins technical team for application-specific dosage recommendations.

6. Handling & Safety

- Use personal protective equipment (PPE) such as gloves and eye protection while handling.
- Avoid contact with skin and eyes.
- Refer to the Material Safety Data Sheet (MSDS) for detailed safety and first aid guidelines.

7. Packaging

- Available in 30 kg HDPE carboys and 200 kg HDPE drums.
- Custom packaging available on request.

8. Storage

- Store in a cool, dry, and well-ventilated place away from direct sunlight.
- Keep containers tightly closed when not in use.
- Protect from freezing.

9. Compliance & Quality Assurance

- Manufactured in an ISO 9001:2015 certified facility.
- Quality control procedures ensure consistency and performance.

10. Disclaimer

The information provided is based on our current knowledge and experience. It is the user's responsibility to verify suitability for their specific application. Asha Resins Limited offers technical support on request.