

NANOSAFE X 200 HAL

FDA-compliant steam boiler treatment for food and dairy

Product Description

NANOSAFE X 200 HAL is an advanced water treatment chemical for steam boiler systems, particularly in food and dairy applications where system cleanliness and reliability are critical. It is designed to keep precipitated scale from adhering to heat transfer surfaces, protect boiler and condensate lines against corrosion, and maintain clean system surfaces, ensuring consistent steam quality and optimized operational efficiency.

Technical Properties

Physical State	Liquid	pH	7 - 9
Colour	Light yellow	Density	1.10 - 1.30 g/cm ³
Odour	Mild		

Product Information

- Scale inhibition.
- Corrosion control.
- Food-compatible formulation.

Application Areas

- Steam boilers and boiler lines.
- Food steam lines.
- Condensate systems.

Chemical Characteristic

Phosphate-based formulation. Keeps the precipitated scale suspended to prevent adherence on surfaces.

Forms a protective film to prevent corrosion. Complies with FDA criteria.

Usage Information

Typical dosage: 0.3 – 0.5 L per 1 m³ of system water. Adjust based on source water quality and hardness levels. Continuous dosing. Adjust by hardness caps.

Packaging

Available packing sizes are 1 kg, 25 kg and 1000 kg IBC

Storage & Shelf Life

- Store in original containers in a cool, dry, and well-ventilated area.
- Keep tightly closed. Protect from freezing and excessive heat.
- When stored under recommended conditions, the product has a shelf life of 24 months.

Safety

May cause skin and eye irritation. Use appropriate PPE including gloves and eye protection. Avoid contact with skin and eyes; do not breathe vapours or mist.