

NANOSAFE X 100

Molybdate-based treatment for steam boilers and hot water systems

Product Description

NANOSAFE X 100 multifunctional, molybdate-based water treatment chemical formulated for use in open- and closed-circuit hot water systems and steam boilers. It is designed to prevent hardness formation, scale buildup, and corrosion, ensuring efficient, long-term system performance.

Technical Properties

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

Product Information

- Keeps precipitated scale from adhering to surfaces and prevents corrosion from forming.
- Suitable for steam boiler systems.
- Suitable for industrial steam systems in non-food-contact applications.
- Improves heat transfer efficiency.
- Reduces maintenance and operating costs.

Application Areas

- Steam boilers, steam generators and boiler lines.
- Closed-loop heating systems.

Chemical Characteristic

Dual molybdate-and-phosphate formulation. Sodium molybdate prevents corrosion from forming on ferrous metals; phosphate conditioning keeps precipitated scale from adhering to surfaces and controls hardness. Includes stabilizers.

Usage Information

Product should be dosed continuously into the system.

Typical dosage range: 0.3 – 0.6 L per m³ of system volume (depending on water quality and operating conditions).

System parameters such as hardness, conductivity, and pH should be monitored regularly.

Periodic system analysis is recommended to ensure optimal performance.

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.