

NANOSAFE X 300

Phosphate-based treatment for cooling systems

Product Description

NANOSAFE X 300 is a multifunctional, phosphate-based water treatment chemical formulated for industrial cooling systems and recirculating water circuits. It keeps precipitated scale from adhering to system surfaces, disperses suspended solids, and forms a protective film to prevent corrosion, ensuring stable operation, reduced fouling, and improved system performance under varying operating conditions.

Technical Properties

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

Product Information

- Keeps precipitated scale from adhering to surfaces.
- Disperses suspended solids.
- Forms a protective film to prevent corrosion.
- Stabilizes dissolved ions.
- Improves system efficiency.

Application Areas

Cooling systems: chillers, air handling units (AHU), fancoils.

Chemical Characteristic

Phosphate-based formulation with an HEDP (phosphonate) component, delivering three-in-one performance: scale control, dispersion of suspended solids, and corrosion protection. Keeps precipitated scale from adhering to surfaces and forms a protective film to prevent corrosion. Includes stabilizers.

Usage Information

Continuous dosing is recommended.

Typical dosage: 0.3 – 0.5 L/m³, depending on system load.

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.