

Inhibitor WATEX INH12®

Multifunctional scale and corrosion inhibitor for boiler water treatment

APPLICATION

INH12® is liquid universal scale and corrosion inhibitor, oxygen scavenger. Used as boiler water treatment for low and medium pressure steam boilers up to 60 Atm, where as make-up water use soft or partially demineralized water. All components are admitted for use in food and a pharmaceutical industry.

PERFORMANCE

INH12® is excellent multifunctional scale and corrosion inhibitor, contains catalysed sulfite, polyphosphates, polymers. Product rapidly and completely scavenge residual oxygen, control of precipitation, powerful antiscalants and dispersants to mobilise hardness and iron oxide sludges and prevent hard scale formation. **INH12®** prevents the precipitation by modification and distortion crystal of inorganic salts that have high their solubility. Interference in normal crystal growth and destroy crystal structure. Dispersion properties operate as deagglomeration solids by strongly adsorbed into surface, thus imparting repulsive charge. Product **INH12®** promote excellent metal passivation in the boiler system.

BENEFITS

- Liquid form for easy dosing and handling.
- Less dose rate – high product efficacy.
- Supports the efficient heat transfer and save energy.
- Effective against iron and minerals deposits.
- Can be used for different types of steam boilers.
- FDA approved № 21 CFR 173.310.
- Environment friendly.
- Excellent quality through ISO 9001/14001 certified production.

DOSING

The dose rate of **INH12®** depended from feed water hardness, residual oxygen quantity and boiler system's operating limits.

Product is typically dosed at 5,0 to 20,0 mg/l in feed water.

INH12® should be continuously and proportionality dosed before the high pressure pump. The

delusion of product is required to ensure the optimum mixing and product distribution for maximum efficiency.

INH12® should be deliuted with soft or demi water. The product is compatible with most chemicals used for boiler water treatment.

Dose control: recommended to maintain residual sulphite 5-20 mg/l SO₃ and phosphate 10-30 mg/l PO₄ in boiler water.

Please contact our technical service department for customized dosing instruction.

SPECIFICATIONS

Appearance:	Rose-yellow liquid
Active components:	Polyphosphates, catalysed sulfite, polymers
Density (20 °C) g/cm³:	1,14 ± 0,05 g/cm ³
pH (20 °C):	9,0 - 10,5
Freezing point, °C:	-5 °C

PACKING INFORMATION

Packing form:	Weight :
Drums, 20 L	22 kg
Drums, 25 L	28 kg
Drums, 200 L	225 kg
IBC 1000-liter tank	1150 kg

SAFETY AND HANDLING

While using **INH12®** it is necessary to wear suitable protective clothing and eye/face protection. Keep in a dry and well-ventilated place at +2 to +35 °C. The shelf life is one year.

Safety data sheet available for professional user on request.