

NexGuard[®] 22325

Boiler Internal Treatment



Product Bulletin

PRODUCT DESCRIPTION AND APPLICATION

NexGuard 22325 is an innovative program that combines the use of polyphosphate and the most advanced synthetic organic polymer with new TRASAR[®] Technology plus state-of-the-art diagnostic, monitoring, feed, and control equipment.

NexGuard 22325 is designed for maximum scale inhibition for boilers operating at or below 600 psig (41 barg) with feedwater hardness equal or greater than 0.02 ppm. The product can be used as a residual phosphate or phosphate-pH control program for boiler systems running on softened, RO, or demineralised water.

PHYSICAL & CHEMICAL PROPERTIES

These properties are typical. Refer to the Material Safety Data Sheet (MSDS), SECTION 9, for the most current data.

Physical State:	Liquid
Appearance:	Clear Yellow
Odor:	None
Specific Gravity @ 20 °C (68 °F):	1.0796 g/cm ³ (9.0097 lb/gallon)
Relative Density @ 20 °C (68 °F):	1.0796
Solubility in Water:	Complete
pH (100 %):	13.6
Freezing Point:	-8.3 °C (17.1 °F)
Freeze-Thaw Recovery:	Incomplete, Protect From Freezing ?
Viscosity @ (20 °C (68 °F):	1.488 cst

ACTIVE CONSTITUENTS

The active constituents are considered to be proprietary information for this product.

REGULATORY APPROVALS

NexGuard 22325 is approved by both the National Sanitation Foundation (NSF International) for treating boilers or steam lines (G6/W1) where steam produced may contact edible products.

NexGuard 22325 is in full compliance with the applicable Federal laws (FDA) and regulations pertaining to food additives and may be used for applications covered under 21 CFR 173.310, Boiler Water Additives.

MATERIALS OF COMPATIBILITY

	Compatible	Incompatible
Metal	Stainless steel,	Aluminium, brass, copper, zinc, light alloys
Container materials	Polyethylene, polypropylene, PVC	-
Elastomers	Nylon, Viton, Buna-N, neoprene, EPDM, butyl rubber, Teflon (PTFE)	-

DOSAGE AND FEEDING

The feedwater dosage of **NexGuard 22325** will vary depending on average feedwater total acid hardness and the required residual phosphate level. For your specific application, your local Nalco representative will make the appropriate feedrate recommendations.

Overfeed of **NexGuard 22325** will result in excessive treatment costs and may result in boiler carryover.

Underfeed of **NexGuard 22325** will result in higher maintenance costs and potential failures.

ENVIRONMENTAL AND TOXICITY DATA

Refer to the MSDS, SECTIONS 11 and 12, for all aquatic and mammalian information.

SAFETY AND HANDLING

The product label and Material Safety Data Sheet should be read prior to using for complete safety and handling information.

Please refer to SECTION 8 of the MSDS for proper personal protective equipment (PPE) and SECTION 3 for health effects.

STORAGE

NexGuard 22325 should be stored in a location where the product temperature can be kept in a range between 32 °F [0 °C] and 130 °F [54 °C].

For **NexGuard 22325**, the recommended in-plant storage limit is 1 year.

REMARKS

If you need assistance or more information on this product, please call your nearest Nalco Representative. For more news about Nalco Company, visit our website at www.nalco.com.

For Medical and Transportation Emergencies involving Nalco products, please see the Material Safety Data Sheet for the phone number.

ADDITIONAL INFORMATION

NexGuard, TRASAR and NALCO are registered trademarks of Nalco Company (11/10/04)

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Subsidiaries and Affiliates in Principal Locations Around the World

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