

Technical Data Sheet (TDS)

ASA-B 900



Chemical Product

Product Name: ASA-B 900
Use: Multi-functional boiler treatment

Introduction

ASA-B 900 as multi-functional boiler treatment is a high-performance formulation designed to protect steam generation and condensate return systems from corrosion, scale, and oxygen-induced damage. It combines: A volatile or non-volatile oxygen scavenger (such as carbonylhydrazide or DEHA) for effective removal of dissolved oxygen Neutralizing amines or alkaline pH conditioners (e.g., cyclohexylamine, morpholine, or blended amines) to raise pH in steam and condensate lines A corrosion inhibitor that promotes the formation of a passivating film on metal surfaces, reducing oxidation and metal loss This treatment ensures optimal boiler system integrity, particularly in medium- to high-pressure systems where condensate recovery is critical.

Advantages:

- Comprehensive corrosion protection: Simultaneously addresses both oxygen-related corrosion and low-pH acid attack
- Maintains condensate pH within safe range (typically 8.3–9.0) to protect carbon steel and copper alloys
- Volatile components travel with steam, protecting the entire steam-condensate loop, including heat exchangers, traps, and return lines
- Enhances boiler efficiency and longevity by minimizing internal corrosion and reducing iron and copper transport back to the boiler
- Suitable for systems with or without deaerators
- Compatible with phosphate, dispersant, and other boiler treatment chemicals
- Low toxicity, thermally stable, and does not contribute to steam contamination or carryover
- Reduces maintenance costs and extends system service life

Dosages:

The dosage varies on the amount of the steam rate and operating conditions. The ASA-B 900 is injected continuously to boiler drums.

Typical Properties

➤ Appearance	:	Bright Yellow Liquid
➤ Specific Gravity	:	1.05-1.10
➤ Solubility	:	soluble in all proportions of water.
➤ pH	:	> 12

PACKAGING

ASA-B 900 is supplied in P.E drums of 200 kg capacity.

Storage

Keep cool, dry ventilated storage and clean containers.

Shelf Life

Two years in closed drums stored under cover and protected from extremes of temperature.

Performance monitoring

The performance of ASA-B 900 can be continuously monitored by corrosion & scale rate.

Address: Unit 1 South ,No 358, North Mofateh Ave, Tehran, Iran.

 Tel: (+98)21 88 75 08 68

 URL: www.ASAChem.ir

 E-Mail: info@ASAChem.ir