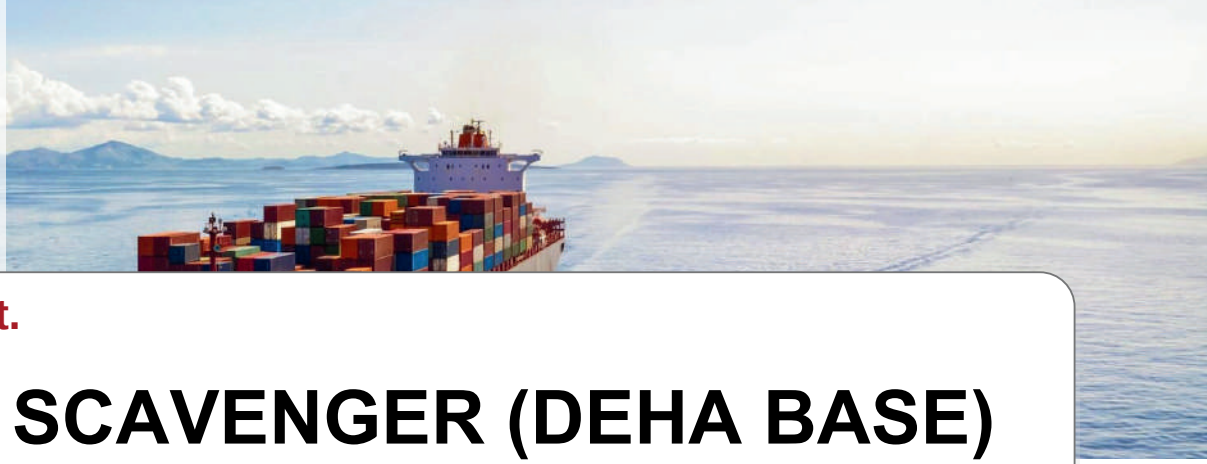


Water Treatment.

OXYGEN SCAVENGER (DEHA BASE)

Advanced Oxygen Scavenger & Metal Passivator Rapid Oxygen Removal for Superior Corrosion Protection in Boiler, Feedwater & Condensate Systems.

DESCRIPTION & APPLICATIONS:

A concentrated liquid treatment containing carbohydrazide for the rapid removal of dissolved oxygen in boiler feedwater and condensate systems. The product provides effective protection against oxygen-related corrosion in all types of boilers and is particularly suitable for high-pressure boiler applications. As a direct replacement for hydrazine-based treatments, OXYGEN SCAVENGER delivers equivalent oxygen scavenging performance without the handling concerns associated with traditional hydrazine products. In addition to removing oxygen, the product acts as an effective metal passivator, helping protect iron and copper surfaces throughout the boiler system.High-pressure boiler systems. Low-pressure boiler systems. Boiler feedwater systems. Condensate return systems. Non-drainable superheaters. Boiler lay-up and passivation programs.

FEATURES & BENEFITS:

- Fast acting liquid oxygen scavenger.
- Direct replacement for hydrazine treatments.
- Organic corrosion inhibitor and metal passivator.
- Reduces corrosion in feedwater and condensate systems.
- Helps neutralize acidic carryover into condensate systems.
- Suitable for combined and coordinated boiler treatment programmes.
- Does not increase dissolved solids.
- Reduces chemical cleaning requirements.

DOSAGE & CONTROL PROGRAM:

Initial Dosage

System Condition	Dosage Rate
Initial Treatment	22.5 ml per 1000 L boiler water content

Maintenance Dosage

Parameter	Recommended Level
OXYGEN SCAVENGER	0.8 – 1.5 mg/L
Target Residual After Initial	1.0 mg/L

SHERAN CHEMICAL (UAE) |SHERAN HELLAS CHEMICAL (Greece)

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Manufacturing & Sales: Fujairah, UAE | Athens, Greece

Marine and industrial chemicals supplier worldwide.

CERTIFICATIONS & MARINE SUPPLY NETWORKS

ProcureShip SHIPSERV ISO 9001:2015

PS ID: 14754 TN-315946

Dosage requirements depend on feedwater temperature and dissolved oxygen concentration. As a general guideline, 22.5 ml of product reacts with 1 mg/L oxygen in water.For high-pressure boilers, dosing is preferably carried out at the deaerator using a dosing pump. For low-pressure boilers, the product may be dosed directly into the feed line after the hot well return.

CORRECTIVE ACTION GUIDE:

Parameter	Recommended Range
OXYGEN SCAVENGER Residual	0.8 – 1.5 mg/L
Target Residual	1.0 mg/L
Dissolved Oxygen	Minimum Possible Level
Boiler pH	As per boiler treatment programme

TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Clear Liquid
Active Component	Carbohydrazide
Solubility	Completely Miscible in Water
Function	Oxygen Scavenger & Passivator
Application	Boiler Feedwater Systems

STORAGE AND HANDLING:

Store in tightly closed original containers in a cool, dry, and well-ventilated area away from direct sunlight and excessive heat.

RECOMMENDED WATER CONTROL LIMITS:

Observation	Recommended Action
Residual Below 0.8 mg/L	Increase OXYGEN SCAVENGER dosage
Residual Between 0.8 - 1.5 mg/L	Treatment satisfactory
No Residual Detected	Repeat initial dosage and retest
Evidence of Oxygen Corrosion	Increase dosage and review deaerator performance
High Oxygen Ingress	Increase monitoring frequency and dosage accordingly

Based on residual control recommendations.

TREATMENT PROGRAMME COMPATIBILITY

For complete boiler system protection, OXYGEN SCAVENGER may be used in conjunction with:

- Boiler Treat Combi
- BWT One Shot
- Condensate Control
- Hardness Control
- Oxygen Control

SHELF LIFE:

24 Months from date of manufacture when stored under recommended conditions.

STANDARD PACKING:

- 25 L HDPE Containers

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