

HIDRAZINE

Volatile Oxygen Scavenger in Liquid Form

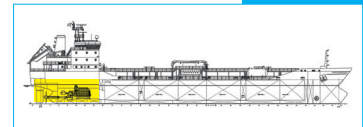
Which Does Not Add Dissolved Solids to the Treated Water

Technical Information

PHYSICAL DATA

Appearance:	Colourless liquid
Specific gravity:	1 at 20°C.
Ph 1 ^h solution:	9
Flash Point:	None
Compatibility:	Avoid aluminium and copper

USAGE AREAS



APPROVALS



DESCRIPTION

Liquid compound containing catalysed HIDRAZINE.

APPLICATIONS

HIDRAZINE is for use in boiler feed water and condensate systems to scavenge oxygen and maintain passive metal surfaces. HIDRAZINE reacts with the oxide film on steel surfaces in a boiler system to form a magnetite layer which gives metal protection. This "passivation" technique is useful for pretreatment of new boiler plant and for protection of boilers during idle and storage periods. HIDRAZINE may be used in all sizes and types of boilers but is particularly suited for use at high pressures where oxygen corrosion becomes rapid and where metallic corrosion products can quickly lead to overheating and failure of generating tubes.

DOSAGE AND CONTROL

- The amount of HIDRAZINE required will depend on the amount of dissolved oxygen present in the feedwater. Your UNISERVICE Representative will give advice on the most economical dosage for any particular application.
- HIDRAZINE must be added continuously by means of a chemical pump at the earliest practicable point in the feed system e.g. the deaerator storage or condenser extraction pump discharge. For low pressure auxiliary boiler HIDRAZINE can be injected in the water feed line after recirculation point, or directly into the hot well.
- HIDRAZINE can be fed neat or in any convenient dilution. Dilution should be carried out using condensate or deaerated water. Initial dosage for untreated system is 100 mls per tonn. of water. Dosage will be increased or reduced in accordance with result of HIDRAZINE test.
- Generally daily dosage of 1 litre for a boiler 10 tons of water capacity will keep the recommended value.
- Control of HIDRAZINE level is made by a simple test. Consult our water treatment manual.

HIDRAZINE

NATURE OF SPECIAL RISKS

Toxic and caustic product. Avoid contact with eyes and skin, in case rinse immediately with fresh water, and seek immediately medical attention.

IMPORTANT NOTICE

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