

HYDRAZINE

Volatile Oxygen Scavenger in Liquid Form

Technical Information

Physical Data

Appearance:	Colorless liquid
Specific gravity:	1 at 20°C
pH (1% solution):	9
Flash Point:	None
Compatibility:	Avoid aluminum and copper

Description

Liquid compound containing catalyzed HYDRAZINE. Does not add dissolved solids to the treated water.

Application

HYDRAZINE is for use in boiler feed water and condensate systems to scavenge oxygen and maintain passive metal surfaces. HYDRAZINE reacts with the oxide film on steel surfaces in a boiler system to form a magnetite layer that provides metal protection. This "passivation" technique is useful for pretreatment of new boiler plants and for the protection of boilers during idle and storage periods. HYDRAZINE 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 the failure of generating tubes.

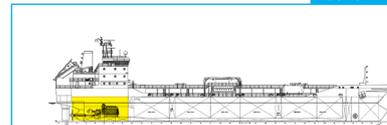
Dosage and Control

The amount of HYDRAZINE 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. HYDRAZINE 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 boilers, HYDRAZINE can be injected into the water feed line after the recirculation point or directly into the hot well. HYDRAZINE can be fed neat or in any convenient dilution. Dilution should be carried out using condensate or deaerated water. The initial dosage for an untreated system is 100 ml per ton of water. Dosage will be increased or reduced in accordance with the result of the HYDRAZINE test. Generally, a daily dosage of 1 liter for a boiler with a 10-ton water capacity will maintain the recommended value. Control of HYDRAZINE level is made by a simple test. Consult our water treatment manual.

Precautionary Statement

Toxic and caustic product. Avoid contact with eyes and skin. In case of contact, rinse immediately with fresh water and seek immediate medical attention. For comprehensive safety information, please consult the Product Safety Data Sheet.

USAGE AREAS



Water Treatment

PACKAGING



APPROVALS



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Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

Contact

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