



ISO CERT NO. 160067



ISO CERT NO. 190018

FALCHEM® HYDRAZINE

VOLATILE OXYGEN SCAVENGER IN LIQUID FORM WHICH DOES NOT ADD DISSOLVED SOLIDS TO THE TREATED WATER

DESCRIPTION:

Liquid compound containing catalyzed **HYDRAZINE**.

PRODUCT CHARACTERISTICS

Appearance: Colorless liquid
Specific gravity : 1 at 20°C.
pH 1% solution : 9.0 ± 1.0
Flash Point: None.
Compatibility: Avoid aluminum and copper

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, 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.

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 failure of generating tubes.

DOSAGE AND CONTROL

The amount of **HYDRAZINE** required will depend on the amount of dissolved oxygen present in the feed water. Your **FALCHEM** ® 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 boiler **HYDRAZINE** can be injected in the water feed line after recalculation 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.

Initial dosage for untreated system is 100 mls per ton. Of water. Dosage will be increased or reduced in accordance with result of **HYDRAZINE** test. Generally daily dosage of 1 litre for a boiler 10 tons of water capacity will keep the recommended value. Control of **HYDRAZINE** level is made by a simple test.

Consult our water treatment manual.



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SAFETY AND HANDLING

HANDLING	Handle with care. Store in dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	Avoid Eye Contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
Skin Contact	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
Inhalation	Do not breathe gas/vapors. Otherwise, seek fresh air source at once. Seek medical attention. In case of insufficient ventilation, wear suitable respiratory equipment..
If Swallowed	Avoid ingestion. Otherwise, consume considerable quantity of water. Do not induce vomiting. Seek medical attention.
General instructions	Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before use.

PACKING SIZE: 25 LITER, 200 LITERS PAIL/DRUM

Read the Material Safety Data Sheet before using this product

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or product label.

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