



**PRODUCT BULLETIN
BOILER WATER TREATMENT**

AQUA-KEM 87L

Scale and corrosion inhibitor, pH and alkalinity Booster

GENERAL DESCRIPTION

AQUA-KEM 87L is a multipurpose boiler treatment which acts as a hardness precipitant, dispersant, alkalinity builder and oxygen scavenger which is suitable for low and high pressure Boiler. It also contains a small amount of antifoam.

BOILER SCALE & CORROSION CONTROL

AQUA-KEM 87L contains dispersant and a special additive those inhibit scale formation by dispersing and destroying the insoluble precipitates that form in the boiler water in such a manner that sludge is produced rather than scale this sludge conditioner action helps keep the boiler sludge fluid so that it can be carried out of the boiler with the blow down **AQUA-KEM 87L** contains materials that reduce or inhibit cores of the feed-line and economizer as well as the cater side surface in the boiler, corrosion of the feed-line and economizer is related to the amount of dissolved and pH of the feed water. Corrosion of the boiler Tubes, drums and or water wall headers are related to the dissolved oxygen and the boiler water alkalinity.

APPLICATION

AQUA-KEM 87L is used in boiler water treatment to prevent hard scale formation in the form of calcium sulphate, silicates and other mineral salts.

AQUA-KEM 87L has the dual capability of deflocculating the precipitates of calcium, magnesium and iron as well as the sequestering of heavy metals. An organic antifoam in the formulation minimizes foaming and carryover of salts into the seam system.

Suitable for use in boiler water systems for the food, textile and paper industries. It is widely used in conventional phosphate control for both high and low pressure boilers and also for congruent phosphate control.

GENERAL SPECIFICATION

Appearance	-----	Colorless Liquid, odorless
Specification gravity	-----	1.1-1.2
pH	-----	12.0-13.5

DOSAGE RATIO

AQUA-KEM 87L correct treatment level for deposit control depends on operating conditions of the plant, site conditions, pH, -TDS and Hardness etc. Which will be specified by **AQUA KEM** consultant.

SAFETY PRECAUTIONS

Gloves and goggles must be 'worn when handling the concentrated solution. Avoid contact with eyes, skin and clothing. Splashes and spills should be washed away immediately using large quantities of cold water.

PACKAGING & STORAGE

AQUA-KEM-87L is available in 25 kg Drum

Store in a dry place, and keep container tightly closed.

TECHKEM WATER SDN BHD

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