

HYDRO 590L

ALKALINITY CONTROL AGENT & NEUTRALIZING CLEANING CHEMICAL

General Description

Maintaining correct alkalinity in boiler water treatment. Especially suitable for Hydro 455, Hydro 415 in conjunction with dispersant chemicals (Hydro 377), and to be used after acid cleaning for neutralizing.

Features

Hydro 590L is highly alkaline allowing correct P & M alkalinity value to be maintained. **Hydro 590L** has a high solubility.

Properties

Appearance	Colorless liquid
Specific Gravity	1.22 – 1.27 at 20 °C
pH 10%	12.0 – 14.0

Direction for use

The quantities of **Hydro 590L** to be added with Hydro 455/Hydro 415 will depend on water condition.

Pints of Hydro 590L required :

0.09 pints/1,000 gallons of make up/ppm alkalinity required will be calculated for you by your **Hydro-Chem** Representative.

Hydro 590L should be added with Hydro 450 or Hydro 410, together with Hydro 377, directly into boiler drum or into feed line just prior to entry into boiler drum.

Sufficient **Hydro 590L** need to be added so that;

P Alkalinity : 160 – 320 ppm as CaCO₃

M Alkalinity : 250 – 500 ppm as CaCO₃

And ratio of P/M is approximately : 0.6 – 0.7

Recommended Product Use

On Acid Cleaning : **Hydro 590L** is used on 2 % concentrate, after rinsing is done. Circulate for 1 – 2 hours, make sure the pH = 8.00 (if less, add more **Hydro 590L**)

Precautions

The material is strongly alkaline. Goggles and protective clothing should be worn on handling it. If splashed with this product, the affected area should be washed with copious quantities of cold water and needed medical aid sought.

Regulatory Status

Hydro 590L complies with FDA regulations (21 CFR 173.310) for boiler water additives used in the preparation of steam that will contact food.

Packaging

35 kgs in pail or 300 kg/drum

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