

LC 102/A LIQUID COAGULANT

GENERAL DESCRIPTION

Liquid Coagulant is used as an internal sludge conditioner in boilers with working pressure up to 28 bars. Liquid Coagulant is employed as an additive to the internal boiler-water in conjunction with phosphate treatment. It will also facilitate coagulation of minor quantities of oil in the boiler water.

DOSAGE

Liquid Coagulant may be diluted with evaporated water prior to use. The solution is fed into the return pipe or feed-water pipe. Dosage is dependent on several factors, but a figure of 30 ml per tonne will serve as a rough guideline. Blow-down should always be done 1 - 2 hours after dosing of product.

ANALYSIS

Analytic control of Liquid Coagulant is a complicated and it is not a common practice to do this on board. Some attention should be paid to the balls formed when using Liquid Coagulant to remove oil. Ball diameters in excess of 2 -3 cm (1 inch) may clog the outlet valves.

CHEMICAL PROPERTIES

A concentrated solution of surface-active polymers miscible with water in all proportions. pH in concentrated form is approx. 9.

PRODUCT SPECIFICATION

Appearance : Yellowish, viscous liquid
Freezing Point : -3 °C (27 °F)
Density : 1.0 gm/cm³
Viscosity : 80 cstk at 20 °C (68°F)
pH value in
10% solution : 10

ENVIRONMENTAL DATA

TLV : No official date.
Toxicity considered to be low.
Effect on skin & eyes : Strongly irritant.
Effect on inhalation : Non-volatile and thus not likely to affect respiratory organs.
Personal Protection : Goggles

HANDLING PRECAUTIONS

In case of accident, if personal injury or risk of such, always seek qualified medical attention.

Liquid in eye : Flush immediately with fresh or sea water. If necessary force eyelid open. Flush for minimum 15 mins.
Liquid on skin : Remove contaminated clothes and flush with water.
Spillage : Flush with water.
If swallowed : Do not induce vomiting. Give victim a \pm Universalantidote. A mixture of powdered burnt toast (charcoal), strong tea and milk of magnesia. One slice of toast and four tablespoons of milk of magnesia in a cup of strong tea.

PACKAGE

Liquid coagulant is supplied in containers of 25 and 200 litres.