



BALLAST W.CH.A.™

DESCRIPTION

BALLAST W.CH.A. (Ballast Water Chlorinating Agent) is an innovative, advanced formulated product that prevents marine ecological imbalance occurring with the introduction of foreign species of aquatic life.

When ships take on ballast water in port, they frequently pick up living organisms, along with the local water. This becomes a problem when these aquatic hitchhikers are pumped out of the ballast tanks in another port and settle into a new home, taking over the resources that previously served only the local population.

The discharge of water from ballast tanks has been responsible for the introduction of species that cause environmental and economic damage.

BALLAST W.CH.A. has been proven to be the solution for this problem, by removing all the water borne species and pathogens including the residents in the ballast water and ballast water tanks, with its special formulation.

BALLAST W.CH.A. will ensure a completely safe ballast water transfer from one geographical region to another.

ADVANTAGES AND CHARACTERISTICS

- ◆ Effectively removes all the water borne species and pathogens.
- ◆ It can be added to the ballast water very easily.
- ◆ It can be added to the ballast water by using many different and convenient methods.
- ◆ It acts as an odor eliminator.
- ◆ It acts quickly and efficiently, while being safe to use.
- ◆ Can be used in combination with other products.
- ◆ It will ensure a completely safe ballast water transfer between two different regions.
- ◆ Very cost effective, easy to handle and apply.

PHYSICAL PROPERTIES

BALLAST W.CH.A. is a concentrated liquid blend containing powerful surfactants, bacterial strains and an aqueous chlorinating agent.

Appearance/Color	: Clear, light yellow liquid
Specific gravity	: 1.19 - 1.23 gr/cm ³ at 20°C
pH value	: 12.5 - 13.5
Odor	: Mild Chlorine Scent

PACKAGING

Order Number	: 673015 (30lt) / 672115 (210lt)
Container	: Plastic jerrican & plastic drum.

APPLICATION AND USE

A. Dosage

BALLAST W.CH.A. may be dosed in quantities sufficient to provide thorough and complete safe ballast water transfer.

Normally, 300 ltrs of **BALLAST W.CH.A.** is sufficient quantity for treatment of 10,000 tones ballast water.

B. Application Procedure

BALLAST W.CH.A. can be added to the Ballast water through the following methods:

- a) during pumping,
- b) during pre loading before pumping,
- c) during post loading after ballast water loading is complete.

These application procedures will ensure a completely safe ballast water transfer from one region to another.



! SAFETY AND HANDLING

HANDLING	Handle with care. Store in a 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 a 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.

 **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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