

# MUD CLEANER

## APPLICATIONS

The loading of ballast water often results in the deposition of mud, silt and sediment in the ballast tanks, due to the presence of these materials in the waters where ballast is lifted. If this is not dealt with on a regular basis, a "permanent ballast" may accumulate, causing problems when emptying the tank. *MUD AND SILT DISPERSANT* can help preventing this build-up, resulting in more efficient operation of the vessel.

## ADVANTAGES

- Prevents formation of hard-packed layers of mud and sediment in tanks. A loose deposit is formed, which can easily be removed.
- Increases cargo payload by decreasing unwanted mud and silt in tanks.
- Eliminates the considerable manual labor required to remove deposits.
- Highly economical - very effective at low concentrations
- Non-polluting, non-toxic and non-corrosive
- Safe and easy to use

## DIRECTIONS FOR USE - PRODUCT DOSAGE

*MUD CLEANER* may be used neat or diluted with water in any convenient proportion.

## MAINTENANCE TREATMENT

- Apply *MUD CLEANER* directly to the tank prior to each ballasting operation
- Dose *MUD CLEANER* in concentrations of 0,5 lt. per 10 tons of ballast water. The dosage will depend on the severity of contamination in the area where ballast water is loaded.

## MUD LIFTING TREATMENT

- For existing accumulations of mud and silt in tanks, apply the maximum dosage of 1 lt. of product per 10 tons tank capacity.
- Fill tank to 50% capacity with seawater.
- Allow the rolling motion of the ship to agitate the solution. Maintain for 24 hours.
- Fill the tank to capacity with seawater, pump out tank.
- Re-fill the tank to capacity with seawater.
- Pump out the tank and inspect.

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# MUD CLEANER

Liquid organic polyelectrolyte,  
conditioner for mud and silt  
in ballast tanks

- Prevents formation of hard-packed layers of mud and silt
- Non polluting
- Safe and easy to use
- Effective at low concentrations
- Highly economical

## PRODUCT CHARACTERISTICS

Appearance: colorless viscous liquid  
Corrosive action: none  
Specific gravity: 1,0 (20°C)  
pH neat: 9,6

IMO Class: not regulated  
UN Number: not regulated  
ADR: not regulated

## **NATURE OF SPECIAL RISKS AND SAFETY ADVICE**

In accordance with the latest EEC Council directives this product is not subjected to any recommendation. Voluntary recommendation:

- S2 : Keep out of reach of children
- S24 : Avoid contact with skin and clothing
- S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S28 : After contact with skin, wash immediately with plenty of water and seek medical advice
- Avoid freezing