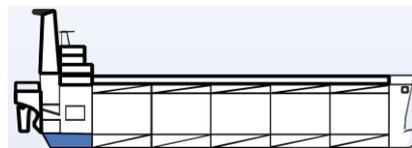


## ALPHA FLOCCULANT

### TREATMENT FOR THE SEPARATION OIL RESIDUES OF BILGE WATER



#### DESCRIPTION

**ALPHA FLOCCULANT** is a blend of highly charged Polyaluminium Chloride (PAC) and biocides, designed for the treatment of bilge water, easily and effectively separating oil residues from water. Its composition is completely safe to the environment.

#### APPLICATION

**ALPHA FLOCCULANT** is the chemical step that is used in combination with mechanical means, to fully meet with environmental regulations that apply to the oil content in effluent water from ships. Use **ALPHA FLOCCULANT** in combination with multistage bilge water cleaning systems that include mechanical separation of free oil, emulsion breaking, flocculation and filtration. After dosing, it acts by breaking the oil-in-water emulsions created by contaminants in lubricating and fuel oils, emulsifying cleaning agents etc. The oil droplets are stabilized and accumulated into larger particles (flocs), thus making it easy to collect by filtering. The remaining oil sludge contains very little water and can be burned onboard or pumped ashore.

#### USE AND DOSING

Feed undiluted **ALPHA FLOCCULANT** in a multistage bilge water cleaning system, using a dosage pump connected to the pressure side of the oil descaler. The typical dose rate is 100-500ppm (0.1-0.5 litre/m<sup>3</sup> of water). The floc tank is fed according to the flow of the bilge water pumped into it. The feed is adjusted in connection with the installation and normally needs no alteration. If required, dosing can also be controlled by measuring the level in the container.

#### PRODUCT PROPERTIES

**ALPHA FLOCCULANT** is non-corrosive to all metals at use concentration. As a concentrate, it is corrosive to cast iron and will attack most metals over a period of time. General Instructions: Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before and during use.

Appearance:	Liquid	pH (1% solution):	Acidic
Type:	Water based	Flash Point:	None

- ✓ Assures compliance with environmental regulations on oil content
- ✓ Concentrated liquid - Low dosage rates
- ✓ Extremely economic treatment plan
- ✓ Breaks the oil-in-water emulsion and builds flocs
- ✓ Greatly reduces sludge volume
- ✓ Iron-free and completely safe to the environment
- ✓ Reduced caustic usage for pH control
- ✓ Replaces based salt coagulants
- ✓ Easy to apply

#### PROBLEMS SOLVED

- ✓ Oil in bilge water emulsions
- ✓ Sludge volume
- ✓ Salt-based coagulants
- ✓ Use of pH-stabilizing chemicals

#### APPLICATION AREAS

- ✓ Bilges

PRODUCT CODE: MC 250