

## WATERBASED HYDROCARBON FREE

### APPLICATIONS

*WATERBASED HYDROCARBON FREE* can be used for the removal of vegetable oil, animal oil, fats and light mineral oils in aluminum and zinc silicate coated tanks. It is also being used as an after treatment agent in hydrocarbon free cleaning operations where cleaning has been carried out with *BILGE REMOVER* or *TANK CARE* .

### DIRECTIONS FOR USE

#### TANK CLEANING

It is recommended to pre-wash the tanks with hot water at 50°C. For drying and semi-drying oils a pre-wash with cold water should be carried out immediately after discharge of cargo to retard oxidation and hardening of oils residues.

#### RE-CIRCULATION METHOD

*WATERBASED HYDROCARBON FREE* is circulated in a 5% solution for a period of 2 to 6 hours. The temperature of the cleaning solution should be between 20 to 60°C. After circulation period rinse thoroughly with fresh water.

A chemical solution is prepared in an empty clean slop tank or one of the after tanks near the pump room. The solution is circulated via the automatic tank washing system pump and heater to the tank to be cleaned. The solution is returned to the solution tank via the stripping line. Usually it is not possible to re-circulate the solution through the tank washing system heater (to maintain solution temperature during cleaning) without making a temporary connection between the solution tank and the tank washing pump. Capacities of solution tank, pipeline, connecting hoses, pumps...etc, should be calculated carefully to ensure sufficient solution is available to maintain continuous re-circulation.

Depending on the size and condition of the tanks to be cleaned and the quantity of solution, normally 3 tanks can be cleaned with one solution. After which, a fresh solution should be made and heated before cleaning can continue.

#### SPRAY METHOD

Spray all the hot tank surfaces with undiluted *WATERBASED HYDROCARBON FREE* and let the product react for at least 30 min. Then rinse all tank surfaces with water at max. temperature 60°C for 45 minutes.

#### HYDROCARBON FREE CLEANING

After cleaning and rising with hot fresh water at a max temperature of 60°C, hand-spray a 15% *WATERBASED HYDROCARBON FREE* solution in fresh water onto the hot tank surfaces and let it react for 30 minutes. Rinse thoroughly with hot, chloride free, water. If only fresh water is used, steam tank to remove any chlorides, which may cause delay in passing the chloride test for loading methanol.... etc.

## WATERBASED HYDROCARBON FREE

Neutral liquid degreasing agent for removal of edible oils from zinc silicate coated tanks

- Blend of highly efficient and low foaming nonionic surface active agents
- Specially developed for situations where cleaning with Alkaclean is not possible
- Suitable for cleaning tanks with zinc silicate coating and all common metals

### PRODUCT CHARACTERISTICS

Appearance:	clear liquid
Corrosive action:	suitable for use on zinc silicate coatings and most common metals
Specific gravity:	1 (20°C)
Flash point:	74°C
pH 1% solution:	7,0
IMO Class:	not regulated
UN Number:	not regulated
ADR:	not regulated