

NON CAUSTIC ALKALINE CLEANER PA18

PRODUCT DESCRIPTION

Non caustic water based alkaline cleaner, containing corrosion inhibitors to prevent the corrosion of metals such as zinc, aluminium, copper, brass and tin, PA18 minimizes the extreme hazards to ships personnel in handling caustic based materials.

DIRECTIONS FOR USE

Cargo tank cleaning following discharge of drying, semi-drying and non-drying natural oils and fats.

- § As soon as possible after the cargo has been discharged, the tanks should be flushed with cold water to prevent heat induced polymerisation and the evaporation of the lighter oil fractions.
- § Whenever possible, the cleaning solution should be heated to between 60°C and 80°C, however, the polymerising nature of some natural oils may demand lower cleaning temperatures.
- § The most economical method of using PA18 is by direct injection followed by recirculation washing, using tank-cleaning machines. If the method is not possible, other conventional methods such as separate direct injection, recirculation, or hand spraying provide acceptable options.
- § With the combined recirculation and direct injection methods, washing is started using cleaning solutions of recirculation dosage. The solution should be injected into the tank via the cleaning equipment with the tank-cleaning machine near the tank floor and lower areas of tank walls.
- § Heating of the cleaning solution can now be achieved by using heating coils in the tank or bypassing the solution through a heating system outside the tank.(e.g. Butterworth Heater).

DOSAGE

Use at 5% solution with water to remove all types of natural oils and fats.

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DOSAGE TABLES

The table below gives approximate solution strengths for various cargo residues.

Cargo Residue	Handspray	Recirculation	Direct Injection	Approx.recirculation consumption, litres per 1000m3 Tank space
Fatty acids,fatty alcohols	100%	3 - 5%	2 - 4%	180-300
Fish oils	100%	3 - 5%	2 - 4%	180-300
Drying & semi-drying vegetable oils	50 - 100%	2 - 4%	1 - 3%	180-240
Non-drying vegetable oils	50 - 100%	2 - 4%	1 - 3%	120-240
Cargo Residue	Recirculation	Direct Injection	Approx.recirculation consumption, litre per 1000m3 Tank space.	
Petrochemicals	2 - 4%	3 - 5%	120 – 240	
Light hydrocarbons	2 - 4%	3 - 5%	120 – 240	
Light hydrocarbon film	2 - 3%	2 - 3%	120 - 180	

The consumption figures above relate to a multi-tank cleaning operation where the chemical solution is re-used.