

ProTank AC ER-AC PLUS (WATERBASED ALKALINE CLEANER)

Oil-dirt remover in stainless, epoxy and polyurethane steel tanks, decks, engine rooms, cabins and bilge

Description

ProTank AC; It is a water-based, powerful alkaline cleaner and degreaser. It is used for cleaning vegetable and animal oils, fatty acids, fish oils, grease, wax, sludge, carbon and soot residues. It can be used to clean inert gas soot residues in cargo tanks. It is safer to use than sodium hydroxide-based tank cleaners.

Directions For Use/Applications & Dosage Rates General Cleaning

Initial Wash

It is recommended to perform an initial-wash the tanks with hot water before cleaning with ProTank AC. For drying and semi-drying oil products, initial washing should be done with cold water or heated water + 10°C above the melting point if the product has high melting point. For cleaning hydrogenated oils such as stearic acid, the application temperature of the product is 55-65°C.

Method	Dosage	Apply Temperature	Washing Medium	Nr of Tanks to be Used
Direct Injection via Tank Cleaning Machine	1-5% per 1 Cbm	<65C	SW/FW/TFW	N/A
Recirculation via Tank Cleaning Machine	2-5% per 1 Cbm	<65C	SW/FW/TFW	2-3*
Spraying Method	10-20%	<65C	FW/TFW	N/A

SW : Sea Water / FW : Fresh Water / TFW : Treated Fresh Water

*: Don't use if the solution is too contaminated

1. Direct Injection Method via Tank Washing Machines

The dosage rate is 10-50 litres (1-5%) of ProTank AC product per 1000 litres of water. To increase the effectiveness of solutions, use fresh water or treated water.

2. Recirculation Method

The dosage rate is 20-50 liters (2-5%) of ProTank AC product per 1000 liters of water.

Take the minimum amount of water which is enough to circulate with high pressure. Prepare 2-5% of solution with ProTank AC. To increase the effectiveness of solutions, use fresh water or treated water.

If applicable, heat the tank using the heating coils of the tank. The solution can be used for 2-3 tanks unless it is too contaminated

In boiler cleaning, circulate the 5-10% ProTank AC solution in the boiler at 60°C for 12-24 hours, depending on the degree of contamination. Drain the cleaning fluid, warm and rinse the boiler with plenty of water. The same process can be applied in tanks for 4-6 hours.

Tank & Cargo Hold Cleaners

Summary

- It is a very strong alkaline cleaner containing strong anionic surfactants and alkaline salts.
- ProTank AC is not caustic-based. When applied with hot water, it does not leave white marks on surfaces, unlike caustic-based cleaners.
- Cleans vegetable oil, animal fat, fish oils, grease, fuel sludge, soot, carbon residues and general dirt.
- It is effective in removing inert gas soot residues from cargo tanks.
- It is biodegradable.
- Does not contain hydrocarbon solvents.
- Can be used safely in stainless steel tanks, epoxy and polyurethane coated tanks.
- Can be used safely except for metals such as aluminium, zinc, galvanized and tinfoil.
- Does not contain nonyl phenol ethoxylates or other estrogenic compounds.
- It removes aromatic solvent odors and bad unpleasant odors consisting of fish oil residues.

A) Organic Properties

Appearance

Physical State (20°C): Liquid
Color : Yellow
Odor : Soft

B) Physical Properties

pH (1% solution) : 12.5-14.0
Molecular Weight : -
Explosion Limit : -
Flash Point : -
Density : 1.05-1.15 g/cm³
Solubility : It mixes with water in all proportions.

Storage Conditions

Storage : Store at the ambient temperature.
Packaging Type : 25-30-200 liters sealed, original plastic drums
Storage Period : 3 years

Approvals & Certificates



Product No

: SP-KS-37

3. Spraying Method

Spray undiluted ProTank AC or 10-20% prepared solution to tank surface. Leave the solution on the surface for 30 minutes, then rinse with plenty of water until solution is completely removed from the surface. If cleaning is to be done with high-pressure machines, dilute the product at a ratio of 1:6, and on average area of 10-15 m² can be cleaned with 1 liter of solution. Using fresh water will increase the effectiveness.