

# ProTank HCF ER-CLEAN HCF

Concentrated tank cleaner

## Description

ProTank HCF is a water-based tank cleaner and hydrocarbon remover. Some hydrocarbons may still remain on the tank surfaces. Cleaning after ERTEK ProTank TC and/or ProTank Extra, used to clean mineral oils or fuel oil impurities on surfaces, and ERTEK ProHold Alka and/or ProTank AC products used for cleaning animal and vegetable oils. The presence of hydrocarbons on the surfaces is determined by the Wall Wash Test. If hydrocarbons are detected, surfaces can be completely free of hydrocarbons with the ProTank HCF (Hydrocarbon Free Cleaner).

## Directions For Use/Applications & Dosage Rates General Cleaning

Method	Dosage	Application Temperature	Washing Medium	Number of Tanks to be Used
Recirculation via Tank Cleaning Machine	2-5% per 1 Cbm	40-60C	SW/FW/TFW	2-3*
Spraying Method	Diluted with water - 15% ratio	<60C	FW/TFW	N/A
Spot Cleaning	Pure or Diluted with water 15% Ratio	Amb	FW/TFW	N/A

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

\*You can use the same solution for 2-3 tanks if the contamination is low

## Recirculation via Tank Cleaning Machine Method

Depending on the degree of contamination, prepare 2-5% ProTank HCF solution and circulate it in the tank for 2-6 hours. During the circulation period, the solution should be at a temperature of 40-60°C. Finally, rinse with distilled water.

## Spraying Method

After cleaning the tanks with ProTank TC or ProClean OGR, rinse with plenty of water at the maximum temperature of 60°C. Then, a 15% solution of ProTank HCF is sprayed on the tank surfaces and allowed to sit for 30 minutes. Finally, rinse with the hot distilled water to complete the hydrocarbon removal process.

## Spot Cleaning

Spray the concentrated ProTank HCF or product diluted to 15% onto the tank surface. Brushes, pumps or spray equipment can also be used for application. Apply the product until the tank surfaces are very well wet. Leave it on the surface for 30 minutes for the chemical to take effect. Then rinse all tank surfaces with hot water at 60°C for 45-60 minutes. If regular water other than distilled water was used, apply steam to the tanks. This application ensures that the chlorides that would be detected in the Wall Wash Test method are removed from the environment.

## Tank & Cargo Hold Cleaners

### Summary

- It is completely soluble in seawater and pure water.
- Can be used safely in zinc-silicate coated tanks.
- Limited application is available in epoxy coatings. (The maximum concentration should be 10% and the maximum temperature should be 60°C.)

### A) Organic Properties

#### Appearance

Physical State (20°C): Liquid

Color : Colorless

Odor : Soft

### B) Physical Properties

pH (1% solution) : 7.0-8.0

Molecular Weight : -

Explosion Limit : -

Flash Point : -

Density : 1.00-1.10 g/cm<sup>3</sup>

Solubility : Soluble in water in all proportions.

### Storage Conditions

Packaging Type : 25-30-200 liters

sealed, original plastic drums

Storage Period : 3 years

### Approvals & Certificates



Product No

: SP-KS-040