

# ProTank Buffer ERCLEAN BUFFER

Cleaning of lead, hydrocarbon, chloride and sulphite in cargo tanks

## Description

ProTank Buffer is used to remove lead, chloride and sulphite from cargo tanks prior to high-purity cargoes. ProTank Buffer is a cleaning product used in zinc-silicate and epoxy coated tanks. It removes lead, chloride, sulphite and hydrocarbon from tanks after loads such as leaded gasoline, MTBE containing gasoline mixtures, carbon tetrachloride, methylene chloride and pure naphtha have been transported.

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

The usage patterns according to the different usage methods are listed below, but the one that is valid for all applications is that sea or river water should not be used in the dilution of the ProTank Buffer product. Use fresh or treated water while diluting the product.

Method	Dosage	Apply Temperature	Washing Medium
Recirculation via Tank Cleaning Machine	10% per 1 Cbm	50-60°C	FW/TFW
Spraying Method	Use undiluted 1 liter solution per 3-5 m2 tank surface	50-60°C	FW/TFW

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

### Spray Method

Apply 1 liter of ProTank Buffer product to the surface of a tank of 3-5 m<sup>2</sup> without dilution, and then wait 40-50 minutes for the product to act and rinse thoroughly with fresh water.

### Recirculation Method

Prepare a 10% ProTank Buffer -fresh water mixture, heat it to 50-60°C and let it circulate in the tank to be cleaned for 1-2 hours. Then rinse the tanks thoroughly with fresh water. If you want the tanks to pass the chloride test, use demineralized (distilled) water for final rinse.

## Tank & Cargo Hold Cleaners

### Summary

- Biodegradable.
- It is suitable for use on both epoxy and zinc silicate coating.
- It shortens the cleaning time.
- It removes leaded gasoline, sulfide-containing gasoline mixtures, carbon tetrachloride, methylene chloride and pure naphtha from the tanks.

### A) Organic Properties

#### Appearance

Physical State (20°C): Liquid

Color : Transparent, colorless

Odor : Characteristic

### B) Physical Properties

pH (concentrated) :5.5-6.0

Explosion Limit : No

Flash Point : No

Density : 1.00-1.10 g/cm<sup>3</sup> (20°C)

### Storage Conditions

Packaging Type : 25-30-210 liters

sealed, plastic drum or barrel

Storage Period : 3 years

### Approvals & Certificates



Product No

: SP-KS-041