



PRODUCT BULLETIN

HCF NEUTRAL CLEANER 20

Neutral Hydrocarbon Free Cleaner

General Description

HCF Neutral Cleaner 20 can be used for the removal of vegetable and / or animal oils, fats, and light mineral oils in aluminum and /or zinc-silicate coated tanks. **HCF Neutral Cleaner 20** is formulated with neutral pH grease cutting nonionic surfactants to efficiently dissolve and clean organic soils from delicate tank surfaces.

Application

Cleaning of tanks: Pre-wash before cleaning with **HCF Neutral Cleaner 20**. It is recommended to prewash 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 oil residues.

Re-circulation method

A chemical solution is prepared in an empty slop tank or one of the after tanks near the pump room, circulated via the automatic tank washing system pump and heater to the tank to be cleaned, where the solution is returned to the chemical solution tank via the stripping line. Usually it is not possible to recirculate the chemical solution through the tank washing system heater (to maintain solution temperature) without making a temporary connection between the chemical solution tank and the tank washing pump. Capacities of solution tank, pipeline and pumps etc. should be calculated carefully to ensure sufficient volumetric quantity for a continuous recirculation. Depending on size and condition of tanks to be cleaned and quantity of chemical solution, a drawback in this method is that usually only 3 (three) tanks can be cleaned with one solution after which a fresh solution should be made and heated before cleaning can continue. Depending on the degree of contamination **HCF Neutral Cleaner 20** is circulated as a 5% solution for a period of 2-6 hours. The water temperature should be approximately 20-60 C. After the circulation period rinse thoroughly with water.

Spray Method

Spray the hot tank surfaces with undiluted **HCF Neutral Cleaner 20** until the surfaces are well soaked and let the product act for at least 30 minutes. Then rinse all tank surfaces with water at approximately 60 C for 45 minutes.

Hydrocarbon Free Cleaning

After cleaning with **HCF Neutral Cleaner 20** and rinsing with hot fresh water at a maximum temperature of 60 °C, hand spray a 15% **HCF Neutral Cleaner 20** solution in fresh water on to the hot tank surfaces and let it act for 30 minutes. Rinse thoroughly with hot chloride free water when cleaning is completed. If fresh water is used, steam tanks afterwards to remove any chlorides which may cause delay in passing the chloride test for methanol, etc.

Physical Properties

Color	Clear
Odor	Mild
Water Solubility	Complete
Density	1.00 - 1.02
Freeze Point	28°F

Availability

HCF Neutral Cleaner 20 is available in UN approved 5 gallon pails, 25 liter pails, 208 liter drums, and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.