

PRODUCT INFORMATION SHEET



IMO APPROVED

NAVACLEAN 850 WATERBASED NEUTRAL HCF

WATER BASED HYDROCARBON FREE TANK CLEANER

APPLICATION, FEATURES & BENEFITS

- Approved according to IMO MEPC.1/Circ. 590, October 2007
- Based on highly efficient dissolving and low foaming nonionic surface active agents.
- Cleans vegetable oils, animal oils, fish oils and mineral oils as well as fats where cleaning with NAVACLEAN 801 – ALKATUFF is not possible.
- Suitable for cleaning tanks coated with Zinc-Silicate coated tanks and all common metals.
- Used also as Hydrocarbon Remover.
- Limited application on epoxy coatings, max. concentration 10% and max. Temp. 60°C.
- Does not contain nonyl phenol ethoxylates or other estrogenic compounds.

DESCRIPTION

1. NAVACLEAN 850 – WATERBASED NEUTRAL HCF can be used for removing vegetable oils, animal oils, fats and light mineral oils in aluminium and/or zinc-silicate coated tanks.
2. Can be used as an after treatment in hydrocarbon free cleaning operation where cleaning was made with NAVACLEAN 888 – SEACLEAN or NAVACLEAN 818 – COLDWASH.

DIRECTIONS FOR USE/APPLICATIONS & DOSAGE RATES

Pre-Cleaning of tanks

Before cleaning with NAVACLEAN 850 – WATERBASED NEUTRAL HCF it is recommended, for non-drying oils, to pre-wash the tanks with hot water at 50°C. For drying oils and semi-drying oils the pre-cleaning should be made with cold water and it should be carried out immediately after completion of discharge of the cargo in order to retard the oxidation and hardening of oil residues.

Recirculation Method

A chemical solution should be prepared in an empty slop tank or one of the after tanks near the pump room, and recirculated via the automatic tank washing system pump and heater to the tank to be cleaned, where from the chemical solution is returned to the slop tank via the stripping line. In certain ships it may be necessary to make a temporary connection between the slop tank and tank washing pump and onwards to the tank washing system heater, in order to maintain the temperature of the chemical solution. The capacities of the slop tank, the pipelines and pumps etc. should be calculated carefully to ensure sufficient volumetric quantity for a continuous recirculation of the chemical solution. Depending on the size and condition of the tanks to be cleaned as well as the quantity of the chemical solution, a drawback in this method is, that usually only 3 (three) tanks can be cleaned properly with one chemical solution after which a fresh chemical solution should be made and heated before cleaning can continue. Depending on the degree of contamination NAVACLEAN 850 – WATERBASED NEUTRAL HCF should be recirculated as a 5% solution for a period of 2-6 hours. The water temperature should be approx. 35-60°C. After completion of the recirculation period the tanks must be rinsed thoroughly with water.

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Hand Spraying Method

Spray the surfaces with undiluted NAVACLEAN 850 – WATERBASED NEUTRAL HCF.

NAVACLEAN 850 – WATERBASED NEUTRAL HCF can be applied by brush, by NAVADAN Pump and Spray Equipment, also using NAVAPOLE.

Apply the chemicals until the tank surfaces are well soaked and let the product act for at least 30 minutes. Then rinse all tank surfaces with water at max. 60°C for 45 - 60 minutes.

Hydrocarbon free cleaning

After cleaning with NAVACLEAN 888 – SEACLEAN or NAVACLEAN 818 – COLDWASH and rinsing the tanks with hot fresh water at a maximum temperature of 60°C, hand spray a 15% solution of NAVACLEAN 850 – WATERBASED NEUTRAL HCF in freshwater on the hot tank surfaces and let it act for minimum 30 minutes. Rinse thoroughly with hot De-Ionised Water (D.I. Water) when the cleaning has been completed. If freshwater is used, steam tanks afterwards in order to remove all chlorides which may cause delay in passing the Wall Wash Test for Methanol.

For detailed instructions on tank cleaning please contact us at NAVADAN.

A range of application equipment is also available.

PRODUCT CHARACTERISTICS

Neutral colourless liquid with a characteristic odour. Completely miscible with sea water and fresh water. Suitable for use on zinc-silicate coatings and most common metals.

Limited application on epoxy coatings. The maximum concentration is 10% and a maximum temperature of 60°C.

- Appearance: Colourless liquid
- Specific Gravity (20°C): 1.00
- Flash Point, PMCC: 74°C
- pH value (1% solution): 7.00

NATURE OF SPECIAL RISKS AND SAFETY REGULATIONS

In accordance with the latest EU Council directives this product is not subject to any official recommendation.

VOLUNTARY NAVADAN RECOMMENDATION:

Harmful by inhalation and if swallowed.

PACKAGING

NAVACLEAN 850 – WATERBASED NEUTRAL HCF is available in 200/208 litre drums.

The information and recommendations given herein are believed to be accurate and reliable. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without any warranty and liability, expressed or implied.