

## Water based hydrocarbon free Tank cleaner

### FEATURES, BENEFITS & DESCRIPTION

- Approved according to IMO MEPC.1/Circ. 590
- Based on highly efficient dissolving and low foaming non-ionic surface active agents
- Effective cleaner for lube oils, gas oil, hydrocarbon products and chemicals
- Cleans vegetable oils, animal oils, fish oils and mineral oils as well as fats where cleaning with NAVACLEAN 801 – ALKATUFF or NAVACLEAN 803 – ALKATUFF PHS is not possible
- Also used for cleaning of phthalates, paraffin as well as obnoxious smell
- Suitable for cleaning tanks coated with Zinc-Silicate coated tanks and all common metals
- Used also as Hydrocarbon Remover
- May be mixed with Sodium- or Potassium Hydroxide to make a more efficient alkaline cleaner
- May be mixed with Citric-, Phosphoric- or Nitric Acid to make a more efficient acid based cleaner
- Does not contain nonyl phenol ethoxylates or other estrogenic compounds
- Contains no solvents, acids, alkalis and phosphates
- Causes no danger to human health and to the environment
- Suitable for use with seawater
- 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
- Can be used as an after treatment in hydrocarbon free cleaning operation where cleaning was made with NAVACLEAN 888 – SEACLEAN or NAVACLEAN 818 – COLDWASH
- NAVACLEAN 850 WATERBASED NEUTRAL HCF is available in 25/200/208 litre drums.

## NAVACLEAN 848

### NEUTRAL CLEANING CONCENTRATE

For detailed instructions on tank cleaning please contact us at NAVADAN.  
A range of support application equipment is also available.



Product Information: NAVACLEAN 848

NEUTRAL CLEANING CONCENTRATE

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## DIRECTIONS FOR USE/APPLICATIONS & DOSAGE RATES

- **Pre-cleaning of Tanks**

Before cleaning with NAVACLEAN 848 – NEUTRAL CLEANING CONCENTRATE 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 ambient 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**

NAVACLEAN 848 – NEUTRAL CLEANING CONCENTRATE should be recirculated as a 0.5% solution for a period of 2-6 hours.

The water temperature should be approx. 35-60°C.

After chemical cleaning the tanks should be rinsed thoroughly with sea water, fresh water or di-water depending on availability and requirements

## Product Characteristics

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: 1.01

Flash Point (PMCC): 65°C

pH-value(1% solution): 7.00

**For Nature of special risks & safety regulations, please see our Material Safety Data Sheet**



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