

# PRODUCT INFORMATION SHEET



**IMO APPROVED**

## NAVACLEAN 842 ALKASAFE

LIQUID WATER BASED NON-CAUSTIC ALKALINE CLEANER

### APPLICATION, FEATURES & BENEFITS

- Approved according to IMO MEPC.1/Circ. 590, October 2007.
- Removes very wide range of oil and fat residues, alcohols, petro-chemicals and light hydrocarbons.
- Excellent sanitising, deodorising and gas-freeing capacity.
- Non-corrosive and safe on almost all tank coatings.

### DESCRIPTION

NAVACLEAN 842 – ALKASAFE is a highly concentrated liquid containing non-caustic alkaline cleaners with blended emulsifiers and detergent wetting agents. It is formulated specifically for tank cleaning and will efficiently remove a very wide range of natural oil and fat residues, alcohols, petrochemicals and light hydrocarbons. NAVACLEAN 842 – ALKASAFE is odourless and has an excellent deodorising and sanitising capacity, making it an ideal cleaner between cargo changeover, particularly if complete hydrocarbon freeing is necessary. NAVACLEAN 842 – ALKASAFE is non-corrosive to normal constructional metals and can be used safely on most tank coatings. Being highly concentrated, it is economical to use and ideal for direct injection or recirculation methods. Detergent wetting agents in NAVACLEAN 842 – ALKASAFE break-up and free deposits from surfaces helping the alkaline emulsifiers to saponify natural oil and fat residues to form water soluble soaps which themselves contribute to the emulsification of residues.

### DIRECTIONS FOR USE/APPLICATIONS & DOSAGE RATES

NAVACLEAN 842 – ALKASAFE may be hand-sprayed at solution strengths between 30% and 100% for local cleaning and the removal of particularly stubborn deposits. Normally NAVACLEAN 842 – ALKASAFE is used diluted with either fresh or sea water. The solution strength depends on the amount and types of residues to be removed and the cleaning method. Solutions are best used at temperatures between 65°C and 80°C but will be efficient at reduced temperatures where these are made necessary by the polymerising nature of certain natural oil cargo residues.

The most economical use of NAVACLEAN 842 – ALKASAFE is by a combination of direct injection and recirculation methods. Direct injection at solution strengths up to 2% should be used until the recirculation suction is flooded when cleaning is stopped and equipment connected to the recirculation line for the remainder of the operation. The initial direct injection wash should be directed toward tank bottoms and lower tank side surfaces.

If cleaning is carried out by recirculation alone, solution strengths from 0.5% to 3% should be used.

### TANK COATING COMPATIBILITY

NAVACLEAN 842 – ALKASAFE may be used to clean the majority of properly applied tank coating materials. Zinc silicate coatings will generally not tolerate high pH values and should not be treated with strong solutions of NAVACLEAN 842 – ALKASAFE. If there is any doubt about compatibility, test the cleaner solution on a small area of tank coating before full scale cleaning starts.

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### PRODUCT CHARACTERISTICS

- **Appearance:** clear, amber liquid, slight soapy smell
- **Density at 15°C g/ml:** 1.1
- **Flash point PMCC °C:** None
- **pH value (1% solution):** 12

### NATURE OF SPECIAL RISKS AND SAFETY REGULATIONS

See our Material Safety Data Sheets

### PACKAGING

NAVACLEAN 842 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.