# PRODUCT INFORMATION SHEET

IMO APPROVED

# NAVACLEAN 823
# BUFFER CLEANER 55

**CONCENTRATED CLEANER FOR ZINC AND EPOXY BASED TANK COATINGS**

## APPLICATION, FEATURES & BENEFITS

- **Approved according to IMO MEPC.1/Circ. 590, October 2007**
- **Cleaning of cargo tanks after cargoes of leaded gasoline, gasoline blends containing MTBE & Virgin Naphtha.**
- **Biodegradable.**
- **No hydrocarbon solvents.**
- **Safe to use on epoxy coatings.**
- **Safe to use on zinc silicate coatings.**

## DESCRIPTION

**Cleaner for zinc and epoxy based tank coatings.**

NAVACLEAN 823 will clean and upgrade coated cargo tanks after cargoes such as leaded gasoline, gasoline blends containing MTBE, carbon tetrachloride, methylene chloride as well as virgin naphtha.

It will in a cost effective way remove lead, hydrocarbons, chlorides , sulphides etc. from the pores of zinc silicate and epoxy coatings. It has been designed with a pH value of 5.5 for safe application on these types of cargo tank coatings.

The ordinary cleaning method with a synthetic soap takes a long time and is insufficient in removing the described contaminants. A weak acid solution in combination with synthetic soap gives a much better cleaning result.

NAVACLEAN 823 is used as a final cleaning procedure when the cargo tanks have to be completely free of lead, chlorides, sulphides or MTBE prior to loading of special high purity cargoes.

## DIRECTIONS FOR USE/APPLICATIONS & DOSAGE RATES

Never dilute NAVACLEAN 823 with seawater or river water. For solutions always use freshwater.

**Hand Spraying Method**

1. Apply 1 litre undiluted NAVACLEAN 823 per 3-5 $m^2$
2. Let the cleaner penetrate for 30-45 minutes
3. Wash down with freshwater and check results preferably with a wall wash test kit.

**Recirculation Method**

1. Make a 10% solution in freshwater in a slop (solution) tank.
2. Heat the solution to a maximum of 60°C.
3. Wash tanks by recirculation for 60 minutes.
4. Usually one solution is used for washing 3-6 tanks
5. Rinse with freshwater and check the results
6. For chloride-free cleaning and passing chloride test use chloride-free De-Ionised Water for the final rinse

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## PRODUCT CHARACTERISTICS

- **Appearance:** Clear liquid
- **Specific gravity:** 1.0
- **Flash Point:** None
- **pH-value at 20°C:** 5.5

## NATURE OF SPECIAL RISKS AND SAFETY REGULATIONS

See our Material Safety Data Sheets

## PACKAGING

NAVACLEAN 823 is available in 200/208 litre drums.

NAVACLEAN 823 is available as a concentrate in 25 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.

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