

# PRODUCT INFORMATION SHEET



**IMO APPROVED**

## NAVACLEAN 814 DYESTUFF REMOVER

REMOVAL OF DYE FROM TANK COATINGS

### APPLICATION, FEATURES & BENEFITS

- Water based cleaner based on sodium perborate, wetting agents and emulsifiers.
- A strong oxidising agent.
- Removes dye discoloration.
- Does not contain nonyl phenol ethoxylates
- Biodegradable.
- Free from hydrocarbon solvents.
- Completely safe to use on epoxy coatings or inorganic zinc coatings
- An excellent substitute for Bleach based on sodium hypochlorite solutions
- Effective and economical in use.

### DESCRIPTION

- NAVACLEAN 814 – DYESTUFF REMOVER is extremely efficient to remove dye discoloration/stains (red, green, yellow etc.) in cargo tanks in Tankers caused by carriage of dyed gasoline cargoes.
- NAVACLEAN 814 – DYESTUFF REMOVER is an excellent substitute for Bleach based on sodium hypochlorite solutions, not being aggressive to tank coatings.
- NAVACLEAN 814 – DYESTUFF REMOVER will, however, only be effective at higher temperatures than 60°C (>60°C).
- NAVACLEAN 814 – DYESTUFF REMOVER will always be delivered freshly made. Since the product is decomposing slowly, just like Bleach based on sodium hypochlorite, we emphasize the importance that the end users should utilize the product soonest possible after it has been delivered onboard.

### Cleaning of Dye discoloration in Cargo Tanks

1. Make a 10% solution in hot seawater >60°C in one of the slop tanks. Usually 10% solution is sufficient. For heavier or more stubborn discoloration/stains, a higher concentrated solution, up to 20%, may be necessary. Suggested water quantity: 30 – 50 tons depending upon ship's size and required quantity to establish a sufficient volume for a proper recirculation method.
2. Recirculate this solution in 3 cargo tanks over 30 minutes to 1 hour. 1 solution is usually sufficient for 3 – 4 tanks. It is IMPORTANT to maintain a solution temperature of more than 60°C during the entire tank cleaning process.
3. Proceed to make a wall wash test on the surfaces, testing for colour.
4. Rinse the tanks for 15 - 30 minutes with either hot seawater or freshwater depending upon the next cargo.

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### PRODUCT CHARACTERISTICS

NAVACLEAN 814 – DYESTUFF REMOVER is a concentrated blend of powerful surface active agents.

- **Appearance:** Clear transparent liquid
- **Specific gravity:** 1.08 g/cm<sup>3</sup>
- **Flash Point:** None
- **Boiling Point:** 100°C
- **Self ignition:** Product is not self igniting
- **Danger of explosion:** Product does not present an explosion hazard
- **pH-value at 20°C:** 8
- **Odour:** Characteristic
- **Solubility in water:** Completely soluble

### NATURE OF SPECIAL RISKS AND SAFETY REGULATIONS

See our Material Safety Data Sheets

### PACKAGING

NAVACLEAN 814 – DYESTUFF REMOVER is available in 200/208 litre P.E. 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.