



**MARINE  
CARE**

# CARETANK ECO

**Multipurpose, highly concentrated heavy duty tank and hydrocarbon free cleaner**

## DESCRIPTION

Caretank ECO is developed as a concentrated heavy duty tank cleaner which is manufactured from natural raw materials containing no chlorinated or aromatic hydrocarbons, making it an excellent hydrocarbon free cleaner after any cargo. As a multifunctional tank cleaner it replaces most conventional alkaline, solvent and water based tank cleaners.

## ADVANTAGE

- Caretank ECO is designed to effectively remove:  
heavy mineral oils, greases, dopes, additives, lubricants, asphalt, distillation residues, coaltar, several synthetic resins, paraffines (e.g. slackwax), inert gas soot, vegetable-, fish- and animal oils and fats, UCO (used cooking oil), fatty acid and greases, crude palm oil, styrene, palm fatty acids and is suitable for use on stainless steel, epoxy & zinc coated tanks.
- Caretank ECO can be used on:  
stainless steel and on epoxy or zinc coated tanks
- Caretank ECO is a highly concentrated product, limiting:  
> the amount of cleaning agent required for a successful tank cleaning
- Caretank ECO is a multi purpose cleaner, limiting:  
> the number of different cleaning detergents required onboard

## APPLICATIONS

### Tank Cleaning

Before cleaning with Caretank ECO it is recommended to prewash the tanks with hot water. For drying or semi-drying oils a prewash with cold water should be carried out immediately after discharge of cargo to prevent hardening of oil residues. After 1 cycle slowly start to increase water temperature to increase effectiveness of the prewash.

- Eco-friendly
- Non toxic
- Biodegradable
- Solvent free
- Concentrated
- Multipurpose
- Approved by:
  - > IMO
  - > Marinfloc
  - > Coating manufacturers



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### Recirculation Method

Recirculation is highly effective and widely used. In this method a chemical solution is pumped under pressure, using a closed recirculation circuit, to a mechanical tank washing machine. The chemical solution is normally prepared in the tank to be cleaned or in the slop tank.

Heat is achieved by the use of a heat exchanger, steam coils or live steam injection. The advantages of this method are the recovery of the heat and chemicals to clean additional tanks.

Depending on the degree and nature of contamination Caretank ECO is circulated as a 0,2 - 0,5 % solution for a minimum period of 2 - 4 hours at a temperature of 10 - 70 °C. After circulation rinse thoroughly with (fresh) water. In case the next cargo is of high purity standard make sure to rinse with D.I. water, to meet the necessary cleanliness standard.

### Direct Injection

Inject 0,1 - 0,2 % of Caretank ECO into the washing system. Maintain cleaning temperatures between 10 - 70 °C. Cleaning time is 2 - 6 hours, followed by thorough rinsing with fresh hot water.

### Spray Method

Spray the tank surfaces with a solution of Caretank ECO and let the product act for at least 30 min. Then rinse all tank surfaces with hot water for 1 or 2 cycles (approx. 30 - 45 min.) or as long as needed to remove the cleaning detergent. Caretank ECO can be sprayed in a 0,1 - 0,2 % solution to remove the last traces of hydrocarbons or in a solution up to 10 % for carbonized and/or hardened residues.

## DIRECTIONS FOR USE (SEE APPLICATIONS)

### DOSAGE

Recirculation	0,2 - 0,5 %
Direct injection	0,1 - 0,2 %
Spraying	0,1 - 0,2 % for HC traces 0,5 - 10 % for cargo residues

### PROPERTIES

Article number	14601 / 16601
pH	10
Density	0,94 g/cm <sup>3</sup>
Flashpoint	74 °C
Physical state	Liquid

### APPROVALS

- IMO approved in accordance with MEPC 590 Guidelines
- Marinfloc Approved OWS Compatible
- Major coating manufacturers. Deviations in temperature, exposure time and concentration to the above stated can vary per coating type, consult the coating manufacturers user guidelines.

For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.

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This information is based on data that we believe to be accurate and reliable and is intended to be used by persons having the knowledge and skill to apply this product properly. We assume no responsibility for results or damages incurred from their use by the Buyer. No liability (including liability for negligence) will attach to Marine Care or its servants or agents arising out of or in connection with or in relation to this product information.

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