



**MARINE
CARE**

CARECLEAN NEUTRAL HCF

Hydrocarbon free multipurpose cleaner

DESCRIPTION

Careclean Neutral HCF is a multipurpose neutral cleaner to remove vegetable and animal oils and fats from zinc-silicate coated tanks.

Careclean Neutral HCF removes remaining hydrocarbons from any tank surface after carrying light to moderate cargoes or after cleaning with solvent based de-greasers.

ADVANTAGE

- Hydro Carbon Free cleaner
- Cleaning of vegetable and animal oils from zinc coated tanks
- Suitable in stainless steel tanks and epoxy coated tanks

APPLICATIONS

Tank Cleaning

Before cleaning with Careclean Neutral HCF 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.

Recirculation Method

Recirculation is highly effective and widely used. In this method a chemical solution is pumped via a closed loop through 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 and re-use of the heat and chemicals to clean additional tanks.

- Environmental friendly
- Non toxic
- Biodegradable
- Hydrocarbon Free Cleaner
- Approved by:
 - > IMO
 - > Marinfloc
 - > Coating manufacturers



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Recirculation Method (continued)

Depending on the degree and nature of contamination Careclean Neutral HCF is circulated as a 2 - 3 % solution for a minimum period of 2 - 6 hours at a temperature of 20 - 70 °C. After circulation rinse thoroughly with (fresh) water. In case the next cargo is high purity standard make sure to rinse with D.I. water, to meet the necessary cleanliness standard.

Direct Injection

Inject 0,5 - 1 % Careclean Neutral HCF into the washing system. Maintain cleaning temperatures between 20 - 70 °C (depending on the type of cargo). Cleaning time is 2 - 6 hours, followed by thorough rinsing with fresh hot water or D.I. water.

Spray Method

Spray the tank surfaces with undiluted Careclean Neutral HCF 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.

DIRECTIONS FOR USE (SEE APPLICATIONS)

DI WATER UNITS

Marine Care supplies a complete range of demineralizer bottles. The bottles contain a mix of cationic and anionic (mixed-bed) resin, to remove dissolved metals, hardness, sulfates, chlorides, etc. from the water. These demineralizer bottles are available in 40, 75, 100 and 150 liters.

DOSAGE

Recirculation	2 - 3%
Direct injection	0,5 - 1 %
Spraying	Undiluted

PROPERTIES

Article number	14606 / 16606
pH	7
Density	1,01 g/cm ³
Flashpoint	None
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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