



**MARINE
CARE**

CARECLEAN ALKALINE

Powerful non caustic alkaline cleaner

- Biodegradable
- Applicable at low temperatures
- Non Caustic
- Non Flammable
- Approved by:
 - > IMO
 - > Marinfloc
 - > Coating manufacturers

DESCRIPTION

Careclean Alkaline is a non caustic alkaline cleaner which is applicable at lower temperatures (20 - 60 °C). Careclean Alkaline is suited to remove vegetable and animal oils, fats (even hardened or carbonized) and inert gas soot. Besides tank cleaning, Careclean Alkaline is used for general cleaning and maintenance on deck, in the accommodation and in the engine room.

ADVANTAGE

Careclean Alkaline provides economic removal by saponification and emulsification, at low cleaning temperatures (20 - 60 °C), of:

- vegetable, fish, animal oils and fats
- FAME, palm oils, palm fatty acids
- other drying and semi drying oils, mineral oils and Inert Gas Soot

APPLICATIONS

Tank Cleaning

Before cleaning with Careclean Alkaline it is recommended to prewash 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 against oxidation and hardening of oil residues. After 1 cycle slowly start to increase the 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



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Recirculation Method (continued)

exchanger, steam coils or live steam injection. The advantages of this method are the recovery of the heat and chemicals to clean additional tanks. Careclean Alkaline is circulated as a 1 - 5 % solution at 20 - 60 °C for a period of 2 - 6 hours. After circulation rinse thoroughly with water. Depending on the degree of contamination one solution can be used to wash 1 - 3 tanks.

Direct Injection Method

Inject 1 - 5 % of Careclean Alkaline directly into the tank washing system. The recommended cleaning temperature is 20 - 60 °C. When completed rinse thoroughly with water.

Spray Method

Depending on the amount and character of the contamination, Careclean Alkaline is to be used pure or diluted at a temperature of 20 - 60 °C. Allow the product to work for 20 to 60 minutes and spray afterwards with a powerful high pressure water jet. Warm water is to be preferred.

Immersion Bath

For slight oil-contaminations, Careclean Alkaline can be diluted with water to a 10 % solution. Heat the liquid with a heating coil or by means of steam injection to 20 - 60 °C. Submerge the objects to be cleaned in a bath for several hours. Brush the objects while rinsing them or spray with a powerful waterjet. In case of heavily contaminated objects, Careclean Alkaline is applied undiluted in an immersion bath, for example: to remove old paint layers, to clean oil and grease filters, to clean deep fry equipment, to clean baking ovens, etc.

Cargo Hold Cleaning

Careclean Alkaline is used to clean cargo holds after carrying cargoes such as pet coke, coal and mineral oil residues. After sweeping and demucking apply Careclean Alkaline in a 10 - 50 % solution depending on the contamination. Let the product soak for 30 minutes making sure not to let the solution dry on the surface. Then spray off with water.

Careclean Alkaline can be applied by the *Caretech Hold Cleaning Kit*.

General Cleaning

For general cleaning on deck use a 1 - 10 % solution and in the accommodation a 1 % solution of Careclean Alkaline in luke warm water. Apply the solution by means of brush or mop. For general cleaning allow soaking for a few minutes before rinsing off with water. In case of hardened or carbonized oil residues soak the contaminated area as long as possible without letting the liquid dry out, brush off with water.

Fire caused smoke deposits

For cleaning of fire caused smoke deposits use a 1 - 10 % solution.

Careclean Alkaline is suitable for use on most metals except for aluminum, tin, zinc and galvanized materials.

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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DIRECTIONS FOR USE (SEE APPLICATIONS)

DOSAGE

Direct Injection	1 - 5 %
Recirculation	1 - 5 %
Immersion Bath	10 %
General Cleaning	1 - 10 %
Hold Cleaning	10 - 50 %

PROPERTIES

Article number	14602 / 16602
pH	> 12
Density	1,09 g/cm ³
Flashpoint	None
Physical state	Liquid

APPROVALS

- IMO approved in accordance with MEPC 590 Guidelines
- Marinfloc Approved OWS Compatible
- Major coating manufacturers

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

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