



# MARINE CARE

## CARECLEAN DEGREASER HD

**Emulsifying cleaner for removing crude-oil, bitumen and paraffin**

### DESCRIPTION

Careclean Degreaser HD is a liquid cleaner containing aromatic solvents, anionic and non-ionic surfactants and complexing agents with good foaming qualities. Careclean Degreaser HD can be used to clean heavy oil, crude oil, bitumen, paraffin and other stains, having a high melting point.

### ADVANTAGE

- Specific solvents with high boiling and flash points
- Ideally suitable for the removal of crude oil, bitumen, paraffin and other high melting point stains
- Can be used undiluted up to 80 °C
- Safe on most common metals, epoxy, polyurethane and zinc silicate coatings

### APPLICATIONS

#### *Steam boilers*

Heavily contaminated steam boilers and steam boilers suffering from scaling where heavy oil contamination is included. In case a steam boiler is internally fouled with hardness scale and heavy oil, only an acid cleaning will not be sufficient. Careclean Degreaser HD is used first to remove oil and grease before the acid cleaner is applied.

#### *Tanks*

Careclean Degreaser HD can be used to clean heavy oil, crude oil, bitumen, paraffin and other stains having a high melting point in which cases a high cleaning temperature is required.

- High Flashpoint
- Safe on:
  - > Most common metals
  - > Zinc, epoxy and polyurethane coatings
- Approved by:
  - > IMO
  - > Marinfloc
  - > Coating Manufacturers



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## DIRECTIONS FOR USE

### *Cleaning of steam boilers*

Fill the system with a 5 % solution of Careclean Degreaser HD in fresh-water. Allow this solution to circulate for 12 - 24 hours at a maximum temperature of 80 °C. After this operation, drain the cleaning solution and rinse the system intensively with freshwater.

### *Cleaning of tanks*

#### *Prewash*

Before cleaning with Careclean Degreaser HD, it is recommended to pre-wash with hot water at approximately 50 °C. For drying and semi-drying oils a pre-wash with cold water should be applied.

#### *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 of the heat and chemicals to clean additional tanks.

Careclean Degreaser HD is circulated as a 2 - 6 % solution at 50 - 80 °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.

## DOSAGE

Steam Boilers	5 % solution in fresh water
Tank cleaning	2 - 6 % solution in fresh water

## PROPERTIES

Article number	14604 / 16604
pH	Not applicable
Density	0,89 g/cm <sup>3</sup>
Flashpoint	85 °C
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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