

# CARECLEAN RUST

**Acidic cleaning product to remove:**  
**- hardness stains and residues after tankcleaning operations,**  
**- rust stains on paintwork**

## DESCRIPTION

Careclean Rust is based on phosphoric acid and non-ionic surfactants. Careclean Rust is used for the removal of hardness stains after tankcleaning operations, removal of rust stains on paintwork, cleaning of aluminium floor plates, copper and brass fittings and wooden decks.

## ADVANTAGE

- Effectively removes hardness stains
- Safe on most coatings and common metals
- Removes rust stains without risk to paintwork, ceramics, glass, wood, etc
- Cleans and brightens aluminium and non-ferro metals with a shiny result

## APPLICATION

- Removal of hardness stains in cargo tanks
- Removal of iron ore, limestone (carbonates), magnesite & bauxite from cargo holds
- Removal of rust stains on paintwork, wood and plastics
- Cleaning of aluminium floor plates in the engine room
- Cleaning of copper, brass and bronze parts

## DIRECTIONS FOR USE

### *Cargo Hold Cleaning*

Careclean Rust is used to clean cargo holds after cargoes such as iron ore, limestone (carbonates) and magnesite and to remove any white residues from caustic cleaners or hardness deposits from seawater. After sweeping and demucking apply Careclean Rust 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 Rust can be applied with the *Caretech Hold Cleaning Kit*.

- Eco-friendly
- Biodegradable
- Suitable on most metals and coatings
- Approved by:
  - > IMO
  - > Marinfloc
  - > Coating manufacturers

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### *Tank Cleaning*

In case hardness stains and/or residues are present after completion of tank cleaning operations, either inject 0,5 % Careclean Rust directly into the automatic washing system for approx. 30 minutes to 1 hour (with a minimum of 1 cycle) or circulate a 0,5 % solution of Careclean Rust in freshwater at a temperature is 75 - 85 °C for 1 hour. Careclean Rust is suitable to be used on epoxy and stainless steel coatings, it is not suitable to be used in zinc coated tanks.

### *Paintwork*

Dilute Careclean Rust to a 10 - 20 % solution in water. Apply the solution by brush or spray using plastic equipment. Leave to soak for 10 - 20 minutes. Rinse off using a powerful water jet and a brush, if necessary.

### *General*

In most cases Careclean Rust is applied by brush diluted with water to a 10 - 50 % solution. The reaction time has to be 5 - 10 minutes. Small objects can be soaked in a plastic container. After cleaning, rinse items thoroughly with a water jet.

### **DOSAGE**

Tank cleaning	0,5 - 3 % solution
Hold cleaning	10 - 50 % solution
Paintwork	10 - 20 % solution
General	10 - 50 % solution

### **PROPERTIES**

Article number	14203 / 16203
pH	2,0
Density	1,28 g/cm <sup>3</sup>
Flashpoint	Not applicable
Physical state	Liquid

### **APPROVALS**

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

All our supplied hold cleaning chemicals are IMO approved & comply with the set Marpol MEPC 63/23/add. 1, Annex 24 resolution MEPC.219(63) – Annex V – 2012 guidelines adopted March 2012.

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

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