



**MARINE
CARE**

CARECLEAN XCELLERATE VO

DISCOVER THE DIFFERENCE

Acidic cleaner for accelerated removal of vegoil and hardness stains

DESCRIPTION

Initially developed to improve PFAD cleanings, Careclean Xcellerate VO has proven to reduce the amount of cleaning time on other vegoil cargoes as well. This advantage can be up to 50% compared to traditional cleanings. Due to the excellent cleaning properties, the product works on many vegoil cargoes, such as:

- CPO
- Palm Stearin
- CPKO
- PFAD

ADVANTAGE

- Accelerated removal of PFAD and other vegetable oil residues
Save up to up to 50% in cleaning time
- NO Prewash when cleaning via slob tank depending on set-up
- Can be used with sea and fresh water
- Removes hardness and rust stains
- Safe on epoxy coatings and stainless steel
- Hydrocarbon free cleaning

APPLICATION

Vegetable oils and Fatty acids tend to leave white stains when cleaned with the most commonly used cleaning solutions, especially the cargo deriving from palm oil and high melting point vegetable oil cargo can account for challenging cleanings. In most cases a two phase cleaning is performed or suggested with an alkaline cleaning and subsequent acid cleaning to remove the white stains. An alkaline cleaning is preferably performed using fresh water as high alkalinity and seawater will intensify the formation of stains. Hardness salts in combination with high alkalinity and Fatty Acids will precipitate as white stains. Careclean Xcellerate VO prevents formation of precipitations from hardness salt and removes the vegetable oils in one step, even using seawater.

- Environmental friendly
- **SAVES** up to **50%** in **cleaning time**
- No Prewash
- Suitable on stainless steel & epoxy coatings
- Approved by:
 - > IMO
 - > Coating manufacturers



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Tank cleaning instructions

In case PFAD is present, it is strongly recommended to start with a 2% solution of Careclean Xcellerate VO. Heat the solution up to at least 60 °C and circulate for at least 2 full cleaning cycles. It is advised to rinse tanks and systems after the cleaning. Careclean Xcellerate VO is suitable to be used on epoxy coatings and stainless steel, it is not suitable to be used on zinc coated tanks.

Generally consider the following for cleaning with Careclean Xcellerate VO

- The prewash, if performed, should always be done at a temperature of at least 15 °C higher than the melting point of the cargo.
- The prewash, recirculation solution and hotwash can also be performed with seawater
- Final rinse should be performed with fresh water to remove salt deposits

A rule of thumb is to have for every 500m³ tank volume at least 1m³ of cleaning solution containing 2 - 3% Careclean Xcellerate VO.

Careclean Xcellerate VO is a unique product developed by Marine Care. Please [contact us](#) prior to use, for a cleaning advise based on your vegoil residues or specific cargoes, cleaning protocol and systems.

Hardness stains– Tank cleaning

Cleaning with 2% Careclean Xcellerate VO at a temperature of 60-70 °C to the tank wash machine.

DOSAGE

Tank cleaning– PFAD & vegetable oil	2 - 3% solution or;
In case of recirculation at least	30L per 500m ³ tank volume
Hardness stains	2 % solution

PROPERTIES

pH	2,0
Density	1,2 g/cm ³
Flashpoint	Not applicable
Physical state	Liquid

APPROVALS

- IMO approved in accordance with MEPC 590
- Major coating manufacturers

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