



## MarClean DA Special

### - Acidic NLS Cargo Tank Cleaner

#### Description

MarClean DA Special is a acidic NLS Cargo tank cleaner for double action cleaning and removal of veg oil and hardness stains. MarClean DA Special is designed to improve PFAD cleanings and reduce cleaning time on other veg oil cargoes such as Palm Stearin, CPKO, CPO and PFAD. It can be used neat or diluted with water depending on the degree of contamination, type of surface, hardness of water and temperature.

- Faster removal of PFAD and other vegetable oil residues.
- Can be used with sea- and fresh water, preferably fresh water.
- Remove hardness and rust stains.
- Safe on epoxy coatings and stainless steel.
- Hydrocarbon free cleaning.

MarClean DA Special is a unique product developed by TECO Chemicals. Please contact us prior to use, for a cleaning advise based on your veg oil residues or specific cargoes, cleaning protocol and systems.

#### Directions for Use

Vegetable oils and fatty acids tends 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. MarClean DA Special prevents formation of precipitations from hardness salt and removes the vegetable oils in one step even if using seawater.

In case PFAD is present, it is strongly recommended to start with a 2% solution of MarClean DA Special. 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. MarClean DA Special 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 MarClean DA Special. 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 hot wash can also be performed with seawater. Final rinse should be performed with fresh water to remove salt deposits.



High Quality Cleaning  
Chemicals since 1994

Quality Without  
Compromise

Approved By



**MARPOL**  
International Convention for the Prevention of Pollution From Ships

Coating  
Manufacturers

TECO Chemicals AS  
Lilleakerveien 6D  
0283 Oslo  
Norway

**WEB:**

[WWW.TECOCHEMICALS.COM](http://WWW.TECOCHEMICALS.COM)

**Email:**

[CHEMICALS@TECO.NO](mailto:CHEMICALS@TECO.NO)

**Phone:**

+47 67 200 300

Read the Material Safety  
Data Sheet and Safety  
Handling Sheet before using  
this product.

Use protective equipment  
and comply with disposal  
considerations.

Updated MSDS and Safety  
Handling Sheets are  
available on  
[WWW.TECOCHEMICALS.COM](http://WWW.TECOCHEMICALS.COM)

# IMO Approved & Tank Coating Manufacturer Approved

MarClean DA Special is approved by MARPOL / IMO in accordance with MEPC.1/Circ. 590. MarClean DA Special can safely be disposed into seawater without being harmful to the marine environment. MarClean DA Special is in compliance with MARPOL Annex V, and is also approved by major coating manufacturers.

## Caution!

This product should not be used on zinc coating.

## Properties

Physical state	: Liquid
Odour	: Acidic
Colour	: Light Yellow
Solubility in water	: Soluble in Water
Density	: 1.15 – 1.25 g/cm <sup>3</sup>
pH	: 1.5 – 2.0

## Packing

MarClean DA Special is accessible in 25ltr pails and 200ltr drums.

## Stock Availability

MarClean DA Special is accessible upon request.



High Quality Cleaning  
Chemicals since 1994

Quality Without  
Compromise

## Approved By



**MARPOL**  
International Convention for the Prevention of Pollution from Ships

Coating  
Manufacturers

TECO Chemicals AS  
Lilleakerveien 6D  
0283 Oslo  
Norway

## WEB:

[WWW.TECOCHEMICALS.COM](http://WWW.TECOCHEMICALS.COM)

## Email:

[CHEMICALS@TECO.NO](mailto:CHEMICALS@TECO.NO)

## Phone:

+47 67 200 300



CODE: 3713



CODE: TN-262299



CODE: VIF-B89



CLEANQUOTE



MARINE  
ONLINE

Read the Material Safety  
Data Sheet and Safety  
Handling Sheet before using  
this product.

Use protective equipment  
and comply with disposal  
considerations.

Updated MSDS and Safety  
Handling Sheets are  
available on  
[WWW.TECOCHEMICALS.COM](http://WWW.TECOCHEMICALS.COM)