

## APEX-199

### APEX-199 BTX

- Reduces significant amount of cleaning time
- No heating required
- Superior cleaning efficiency
- Removes white residue from vegetable oil and amines residue
- Removes hardness
- Hydrocarbon freeing
- Safe on epoxy coatings and stainless steel
- Approved by IMO

Epoxy	Compatible
Zinc	Not Compatible
Stainless Steel	Compatible

#### PRODUCT DESCRIPTION:

APEX-199 BTX is specially developed to increase cleaning efficiency, by using high-performing surfactants, and specially selected acid to achieve the next great leap for tank cleaning break through. APEX-199 BTX significantly reduces the amount of cleaning time required.

APEX-199 BTX is designed to remove most vegetable oil residue, they work especially well for the following cargoes:

CPO  
Palm Stearin  
CPKO  
PFAD

APEX-199 BTX contains high level of Citric Acid, suitable to remove white residues like Metal Soaps from Vegetable Oils and Vegetable Oil Fatty Acids, Carbonates from Sodium and Potassium Hydroxide as well as white residues from Amines

#### 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 are always challenging.

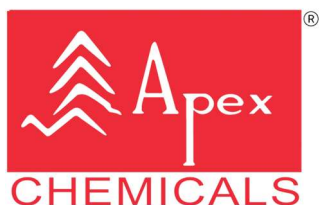
APEX-199 BTX removes the cargo residue in a single wash, hydrocarbon free the tanks to achieve the desired cleaning standards within a single recirculation. At the same time preventing the formation of precipitations from hardness salt

#### DIRECTION FOR USE:

Always prewash the tanks to remove as much cargo residue from the cargo tanks. Prewash should always be done at a temperature of at 45 °C higher than the melting point of the cargo.

After prewash, PFAD and vegetable oil cargo - it is strongly recommended to start with a 2% - 3% solution of APEX-199 BTX.

Heating of solution is optional, past experiences have shown success cleaning at ambient temperature (28 degrees). Recirculate the tanks for 2 full cleaning cycles. It is advised to rinse tanks and systems after the cleaning.



Final rinse should be performed with fresh water to remove salt deposits

To remove hardness stains, use 2% solution

**\*\*APEX-199 BTX is not suitable for use on zinc coated tanks.**

**Approval:** The composition meets the criteria for not being harmful to the marine environment according to MARPOL Annex V and may be discharged into the sea when used to clean cargo holds and external surfaces on ships.

## **SPECIFICATION**

### **General**

Invent Hazard Material (IMO/EU) Classification: C-49

## **PHYSICAL PROPERTIES**

Appearance : Clear colourless  
Relative Density : 1.01 – 1.25  
Form : Liquid  
pH : 1.0 – 3.0

**Packaging** : Supplied in 25 / 200 litres non-returnable drums.

### **Important information:**

Apex chemicals Safety Data Sheets are available. Safety Data Sheets contain health and safety information for proper products handling procedures to protect your employees. Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using.

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