



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### APEX-162

### CITRIC CLEAN

- Best for removing of precipitated calcium and magnesium from austenitic stainless steel cargo tanks
- Stainless steel surface becomes highly resistant to rust and contamination after proper application
- Eco-Friendly
- Biodegradable
- Spotless drying
- Approved by:
  - IMO

Epoxy	Not compatible
Zinc	Not compatible
Stainless Steel	Compatible

#### PRODUCT DESCRIPTION:

APEX-162 Citric Clean is a blend of citric acid and specially selected surfactant. APEX-162 Citric Clean is designed to remove precipitated calcium and magnesium from austenitic stainless steel cargo tanks.

APEX-162 Citric Clean also removed the free iron ions from the stainless steel. This cleaned and treated stainless steel surface becomes highly resistant to rust and contamination.

#### DIRECTIONS FOR USE:

##### TANK CLEANING

Mix 10 – 15% of APEX-162 Citric Clean with fresh water to form cleaning solution. Heat solution to 50°C. The solution should be sprayed onto austenitic stainless steel tank walls using suitable tank washing machines.

Leave solution to react for 10 – 20 minutes, making sure it does not dry out during this period. Afterwards, rinse thoroughly with plenty of water and allow tank to air dry.

**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.

#### PHYSICAL PROPERTIES

Appearance : Clear colourless  
Relative Density : 1.23 – 1.25  
Form : Liquid  
pH : <2.5

**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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