

APEX-182 PASSIVE CLEAN

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- Eco-friendly
- Biodegradable
- Spotless drying
- Form uniform protective oxide film
- Chemical passivation
- Approved by IMO

Epoxy	Not compatible
Zinc	Not compatible
Stainless Steel	Compatible

PRODUCT DESCRIPTION:

APEX-182 PASSIVE CLEAN is based on Nitric acid and non-ionic surface-active substance. APEX-182 PASSIVE CLEAN is designed to remove precipitate calcium and magnesium from austenitic stainless steel cargo tanks.

APPLICATIONS

Suitable for cleaning and removing precipitate calcium and magnesium from austenitic stainless steel cargo tanks.

After cleaning, APEX-182 PASSIVE CLEAN provides a protective chromium oxide layer on the stainless-steel tank surfaces.

DIRECTION FOR USE

TANK CLEANING

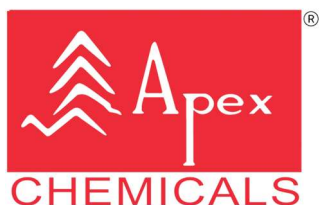
SPRAYING METHOD

Mix 10% of APEX-182 PASSIVE CLEAN with fresh water to form cleaning solution. The solution should be sprayed onto austenitic stainless steel tank walls using suitable tank washing machines.

Leaves solution to react for 30 minutes, make sure it does not dry out during this period. Afterwards, rinse thoroughly with plenty of water and allow the tank to air dry.

RECIRCULATION METHOD

1. Tanks need to be cleaned and rinsed with fresh water after the last cargo
2. Recommended 18-22% of APEX-182 PASSIVE CLEAN for 2 hours of recirculation.
Same can be used in 4-6 tanks with spiking 30-50 ltrs each.
3. Rinse with fresh water until a pH level of 7 is achieved, utilizing the maximum number of tank cleaning machines
4. When the pH reaches 7 during the fresh water rinse, commence the seawater ambient wash for 2 hours
5. 10 min Fresh water rinse



Recommendations:

1. Passivation should be carried out at least every 24 months or after 5 acid cargoes
2. Prior to the pickling and passivation process, all tanks must be thoroughly cleaned, freed from any odour, and inspected
3. Tank cleaning hoses and other accessories should be able to sustain Nitric Acid exposure
4. PH test kit or PH litmus paper to determine PH from 1 to 14 within ½ a point of pH
5. Proper Chemical Resistant PPE to be used during the process

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 to pale yellow
Relative Density : 1.4 – 1.42
Form : Liquid
pH : < 1.0

Packaging : Supplied in 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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