



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### APEX-120

### METAL BRITE HD

- Exceptionally useful for removing the white powders appearing after loading Vegetable and Fatty Acid oil additives
- Removes lime deposits that can occur after hot seawater washing
- Cleans & brightens aluminium and copper
- Forms protective coating on treated surfaces
- Biodegradable, non-flammable

Epoxy	Compatible
Zinc	Not Compatible
Stainless Steel	Compatible

### PRODUCT DESCRIPTION:

APEX-120 METAL BRITE HD is a mild acidic liquid cleaner containing phosphoric acid, wetting and penetrating agents, which is miscible with water in all proportions. It contains a biodegradable surfactant and penetrating agent which easily penetrates oxide deposits and oily films on metal surfaces. Suitable to remove oxides, chlorides, nitrates, amides, amines and other salts, neutral and alkaline contaminations like calcium chloride, calcium nitrate, ammonium nitrate, alkenyl amide, alkenyl amide oleyl amine, calcium carbonate, etc.

APEX-120 Metal Brite HD is suitable for removing lime deposits after hot seawater washes. Above residues are most common after loading many cargos included in ANNEX II - IMO Guide lines for tank cleaning.

### APPLICATION

#### Tank cleaning

- Mix solutions of APEX-120 Metal Brite HD either in Tank bottom or void space.
- Dilution rate with water between 4 % and 10 %, depending upon light or heavy contamination. Recent experience has shown that a 8 - 8.5 % solution secures successful cleaning.
- Do not use the entire quantity of APEX-120 Metal Brite HD in one solution for all tanks to be cleaned.
- It is recommended to use 2 — 3 drums of APEX-120 Metal Brite HD for cleaning the last 25% of the tanks.
- The solution may be used at an ambient temperature, however is it suggested that increasing the cleaning temperature to 60 'C will enhance the cleaning ability and shorten the cleaning time.
- Proceed to recycle the cleaning solution through the tank washing system for a period of two hours minimum per machine drop. Usually a cleaning time of 4 hours per tank will prove sufficient.
- Upon completion of chemical application, begin wash down with water, using maximum pressure available.
- Inspect tank surfaces and if there are remaining stains, spot clean with undiluted APEX-120 Metal Brite HD directly on the stained area allow a reaction time of 30 minutes and rinse off with fresh water.



### **PHYSICAL PROPERTIES**

Appearance : Clear  
Relative Density : 1.20 – 1.30  
Form : Liquid  
pH : <1

**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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