

# APEX-128

## METAL BRITE XTREME

### PRODUCT DESCRIPTION:

APEX-128 METAL BRITE XTREME is a concentrated 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

### APPLICATIONS

Suitable to remove oxides, chlorides, nitrates, amides, amines and other salts, neutral and alkaline contaminations like calcium chloride, calcium nitrate, ammonium nitrate, alkenylamide, alkenylamideoleylamine, calcium carbonate, etc. APEX-128 METAL BRITE XTREME is designed to remove lime deposits after hot seawater washes. Above residues are most common after loading many cargos included in ANNEX II - IMO Guidelines for tank cleaning.

### DIRECTION OF USE:

#### TANK CLEANING

1. Mix solutions of APEX-128 METAL BRITE XTREME either in tank bottom or void space.
2. Dilution rate with water between 1% - 4%, depending upon light or heavy contamination.
3. Do not use the entire quantity of APEX-128 METAL BRITE XTREME in one solution for all tanks to be cleaned.
4. It is recommended to use 1 – 2 drums of APEX-128 METAL BRITE XTREME for cleaning the last 25% of the tanks.
5. 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.
6. Proceed to recycle the cleaning solution through the tank washing system. Usually a cleaning time of 2 - 3 hours per tank will prove sufficient.
7. Upon completion of chemical application, begin wash down with water, using maximum pressure available.
8. Inspect tank surfaces and if there are remaining stains, spot clean with undiluted APEX-128 METAL BRITE XTREME directly on the stained area. Allow a reaction time of 30 minutes and rinse off with fresh water.

## APEX-128

## METAL BRITE XTREME

- Excellent Tank Cleaner for removing: Oxides, Chlorides, Nitrates, Amides, Amines and other salts
- 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.
- Approved by IMO

Epoxy	Not Compatible
Zinc	Not Compatible
Stainless Steel	Compatible



APEX-128 METAL BRITE XTREME may be also used by injection or recirculation in the tank wash system to remove fresh rust from mild steel cargo tanks. It is also being used to passivate bare metal against atmospheric corrosion before painting and which provides increased adhesion of paint base coat.

**GENERAL CLEANING** Always remove the loose rust and scale prior to applying APEX-128 METAL BRITE XTREME. Apply APEX-128 METAL BRITE XTREME by brushing or spraying and allow the chemical to work for 15 - 20 minutes. The surface or items to be cleaned must be moist with the acid cleaner all the time.

On large structures, use a concentration of one part of APEX-128 METAL BRITE XTREME with four to six parts of cold water. Apply using brushing or swabbing on and leave it to react overnight. The dried rust deposit can easily be tapped or scrubbed off with a foundry brush on the next day. In stubborn cases, it may be necessary to repeat the treatment. Finally, rinse the surface down with clean water

**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 Liquid
Relative Density	: 1.20 – 1.30
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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