



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### APEX-480XF

### AQUATUFF HIGH FOAM

- Biodegradable Heavy Duty Alkaline Tank Cleaner
- Does not contain nonyl phenol ethoxylates or other estrogenic compounds
- Free from hydrocarbon solvents
- Ideal for cleaning after coal, pet coke and other difficult cargoes
- Effective and economical in use
- Completely safe on epoxy coatings

#### PRODUCT DESCRIPTION:

APEX-480XF AQUATUFF HIGH FOAM is a heavy-duty alkaline cleaner with good foaming qualities. The dense foam created prevents the cleaning solution from running off vertical surfaces and thereby enhances the cleaning efficiency. It is water based and is safe to the environment, containing only biodegradable ingredients. It effectively removes most dry cargoes to “water white standard”.

APEX-480XF AQUATUFF HIGH FOAM is specially developed for cargo hold cleaning of MARPOL Annex II Cargoes.

#### DIRECTIONS FOR USE

##### Cargo Hold Cleaning

APEX-480XF AQUATUFF HIGH FOAM is specially developed to clean vertical surfaces. When applied with the proper spray foam equipment, the dense foam created prolongs the contact time between the cleaning solution and the surface to be cleaned. It effectively removes most dry cargoes, sludge, soot, carbon deposits, fish meal etc., and is used for cargo hold cleaning when going from black to white cargo.

#### CLEANING PROCEDURES

1. Apply APEX-480XF AQUATUFF HIGH FOAM, mixed 5 – 10% in water, use spray foam equipment.
2. Always apply the chemicals from bottom and upwards. Applying from top and down can result in lost cleaning effect or even staining.
3. Let the chemical work for 30 – 45 minutes.
4. Wash down with a high-pressure unit or Cargo Hold Cleaning kit. For best results, direct the high-pressure jet at the lowest parts of the hold first and work upwards
5. Repeat the procedure if necessary.



When mixing APEX-480XF AQUATUFF HIGH FOAM with seawater the following needs to be taken into account:

1. Seawater may reduce the foaming qualities of the chemical.
2. Seawater may influence the PH of the cleaning solution with a reduced cleaning effect as result.
3. Seawater represents a corrosion risk to the surfaces and the equipment used

When mixing APEX-480XF AQUATUFF HIGH FOAM with seawater it is recommend having a concentration of at least 10-20%.

APEX-480XF AQUATUFF HIGH FOAM should not be used on zinc coatings

#### **PHYSICAL PROPERTIES**

Appearance	: Clear
Relative Density	: 1.05 – 1.15
Form	: Liquid
pH	: 10.5 – 13.5

**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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