



Quality Chemicals
with
excellent performance

APEX CHEMICALS

A-412

ALKATUFF PLUS

- Non harmful to marine environment
- Composition conforming to MARPOL Annex V
- Cleans coal, petcoke and numerous other cargoes
- Penetrates, emulsifies and suspends greasy soils, vegetable, fish and animal oil
- Suitable for Cargo Hold cleaning and Tank Cleaning applications
- Biodegradable

PRODUCT DESCRIPTION:

A-412 ALKATUFF PLUS is a heavy-duty water-based alkaline cleaner. The product is highly concentrated, using special blend of detergents and surfactants. It is specially developed for cargo hold cleaning operations, suitable for removing Petcoke, Coal and dirt deposits.

APPLICATION:

Apply A-412 ALKATUFF PLUS mixed 10 to 25% (ratio 1:9 to 1:3) in water, using spray equipment. A-412 ALKATUFF PLUS 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. Leave for 30 – 45 minutes. Ensure that the surface remains wet.

Wash down with cleaning applicator. For best results, direct the jet at the lowest part of the hold first and work upwards. If required, manual cleaning and scrubbing to be performed simultaneously. Repeat cleaning procedure if necessary, pay attention to areas with difficult contamination.

Mixing with Seawater

When mixing A-412 ALKATUFF PLUS with seawater the following needs to be taken into account:

1. Seawater will reduce the foaming qualities of the detergent.
2. Seawater will influence the pH of the cleaning solution resulting in reduced cleaning effect compare with the same dosage when mix with fresh water.
3. Seawater post corrosion risk to the surfaces and the equipment used When mixing A-412 ALKATUFF PLUS with seawater it is recommend to have a concentration of at least 20 - 30%

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.



Cert. No. QSP0009

IMO APPROVED
TANK CLEANING

PHYSICAL PROPERTIES

Appearance : Clear
Relative Density : 1.05 – 1.20
Form : Liquid
pH : >12.0

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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