

# A-488 ALKLEEN SUPREME

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## ALKLEEN SUPREME

- Effectively remove oily, sticky coal and Green delayed Petcoke
- High performance and concentrated cleaner
- Biodegradable and very low toxic to marine life
- Composition conforming to MARPOL Annex V
- Effective and Economical

### PRODUCT DESCRIPTION:

A-488 ALKLEEN SUPREME is a concentrated cleaner, specially designed to remove sticky coal and green delay Petcoke from cargo hold.

### DIRECTION OF USE:

**Safety: Please refer to SDS Section 8. Exposure control/Personal Protection**

1. Sweep and muck out all the residues.
2. No pre-wash is required.
3. Prepare a small volume of the cleaning solution from the below example table and try on a small area (i.e.1 m<sup>2</sup>) by using a clean paint brush or spray bottle to find out the most suitable mixing ratio.

The effective contact time is around 15 – 25 mins and then wash down with Tobey Gun before chemical dry up. Adjust the mixing ratio accordingly to get the best results.

**Mixing Ratio:** 1 Part chemical to 3 – 9 parts of fresh water.

**Example** for the mixing ratio and sequence:

To make cleaning solution (ltr)	Mixing Ratio	Step 1	Step 2	Step 3
		Fresh water (ltr)	A-488 Alkleen Supreme (ltr)	Fresh water (ltr)
200	1 : 3	100	50	50
200	1 : 5	100	33	67
200	1 : 9	100	20	80

4. After the right mixing ratio is confirmed, apply the cleaning solution on the hold surface with the appropriate equipment. (This chemical contained foam, therefore should use foam nozzle then can achieve better results)
5. Let the cleaning solution to contact with the contaminants for around 15 – 25 mins depending on the ambient temperature and humidity conditions. However, do not let the chemical dry up before wash down or whichever comes first.  
Should the chemical dried up before wash down, apply it again and wait for 5 mins then wash down.

Epoxy	Compatible
Zinc	Not Compatible
Stainless Steel	Compatible



6. Wash down with Tobey Gun or Seawater high-pressure jet to remove the cargo residues from **bottom upwards** to remove the residues more effectively.
7. Repeat the procedure if necessary and manual or spot cleaning may require.
8. Final rinse with fresh 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 Colourless to straw colour
Relative Density	: 1.05 – 1.25
Form	: Liquid
pH	: >12.5

**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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