



## APEX CHEMICALS

### APEX SMITH 88

- Removal of soot stains
- High cleaning concentrate
- Biodegradable and very low toxic to marine life
- Effective and economical
- Effective removal of all the Annex II cargo
- Approved by:
  - IMO
  - Coating Manufacturers

Epoxy	Compatible
Zinc	Not Compatible
Stainless Steel	Compatible

### PRODUCT DESCRIPTION:

APEX SMITH 88 is specially formulated for the removal of soot deposits, medium - heavy oil contaminations.

APEX SMITH 88 can be used for cleaning and removal of animal and vegetable oils from cargo tanks. Suitable for all Annex II cargo.

### DIRECTION OF USE:

#### TANK CLEANING

APEX SMITH 88 can be used in re-circulation or direct injection methods.

APEX SMITH 88 is highly concentrated. For manual cleaning, APEX SMITH 88 can be diluted up to 50 parts of water, depending on the degree of contamination.

It is recommended to pre-wash tank with hot water at about 50°C to 60°C before applying APEX SMITH 88. Transfer 0.5% – 4% concentrated solution of APEX SMITH 88 into the tank to be cleaned. Allow circulation through a pumping system for a period of 2-5 hours.

APEX SMITH 88 is applied to the pre-wash system by spraying the tank surfaces thoroughly. Allow the solution to penetrate and react for about 30 minutes. Then rinse all tank surfaces thoroughly with hot water at about 60°C. The dosage recommendation for spraying method is 5% - 10%.

#### Tank Material

Safe to use on stainless steel and resistant coatings. This product should not be used on zinc coating

**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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