



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### APEX-550 SEACLEAN VOYAGE

- High solvent power, rapid penetration
- Rapidly emulsifies in fresh or salt water
- Concentrated product, effective and economical in diluted solutions
- Non-corrosive to metal and paint finishes
- Simple and effective cleaning of tanks at sea
- Low toxicity when mixed with sea or fresh water as recommended.

This information is not to be taken as a warranty or representation for which we assume legal responsibility, nor as a permission, inducement, or recommendation to practice any patented invention without a license. The information is offered solely for your consideration, investigation and verification.

### APPLICATIONS

*APEX-550 SeaClean Voyage* is a concentrated emulsifying cleaner and degreaser. *APEX-550 SeaClean Voyage* contains solvent carrier, emulsifier and surfactants for the removal of deposits after carrying mineral oil based cargoes. *APEX-550 SeaClean Voyage* with its powerful and deep penetrating action, cleans away unwanted oils, grease, dirt, carbons and other soil from marine vessels, oil tanks, bilges, bulkheads, engine room, deck and machinery parts.

### DIRECTIONS FOR USE

#### CARGO TANK CLEANING AFTER MINERAL OIL DEPOSIT

For best results, heat the water in the tank to a temperature of approximate 60 °C.

**DIRECT INJECTION :** Dosage should be 5 litres to 30 litres of *APEX-550 SeaClean Voyage* for every one tonne of wash water. Allow the solution to work for 2 – 5 hours. Subsequently rinse off with water

**RECIRCULATION CLEANING :** Dosage should be 10 litres to 30 litres of *APEX-550 SeaClean Voyage* for every one tonne of wash water, depending on the degree of contamination and number of tanks to be cleaned with this chemical. Prepare the chemical in a tank or a coffer-dam and circulate through the tank wash system. Always add *APEX-550 SeaClean Voyage* to tank through the sounding pipe before addition of sea water.

#### TANK CLEANING - IN PORT

Spray or swab the entire surface to be cleaned with neat *APEX-550 SeaClean Voyage*. Allow to soak for 10 to 20 minutes. Pressure wash the entire surface with water from a hose. Pump the solution into the bilge and allow the tank to air dry.

#### COLD TANK CLEANING

Use concentrated *APEX-550 SeaClean Voyage* for heavy contamination, or dilute one part of *APEX-550 SeaClean Voyage* with 10-30 parts of water for medium to light soils. Soak parts for 30 minutes to 2 hours as required, and flush off with water under pressure.



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**SPOT CLEANING :** Spray the tank surface to be cleaned with neat *APEX-550 SeaClean Voyage*. Allow it to work for at least 30 minutes depending on the degree of contamination. Pressure flush the entire surface with a hose and wash down tank wall. Pump the solution into the bilge and allow the tank to air dry.

#### **HAND SPRAY**

Spray the entire surface to be cleaned with neat *APEX-550 SeaClean Voyage*. Allow it to work for 15-30 minutes, then flush off with water under pressure.

#### **ROCK AND ROLL CLEANING**

- 1.Heat the tank to a higher than normal temperature and strip off possible fuel oil.
- 2.Add 5 litres of *APEX-550 SeaClean Voyage* for every 1 ton of tank capacity. This addition should be made at various points around the tank (i.e. through the sounding and air vent pipes)
- 3.Fill the tank to 25% of its capacity with sea water. Sea water is recommended as the ship's ballast pipes may be contaminated with fuel oil. Make sure all suction and discharge valves in the engine room are closed. Heat the coils and introduce line steam to raise the temperature to the highest and leave in the tank for 2 to 4 days depending upon the rolling action of the sea. The more violent the action, the less time is required.
- 4.After 2 to 4 days, pump the solution overboard. Add sea water through the sounding pipe for the last hour of pumping.
- 5.Carry out a second reduced cleaning. Pour half the amount of *APEX-550 SeaClean Voyage* as mentioned above. After the chemical has been added, refill the tank up to 50% of its capacity and heat it to maximum temperature. After 48 hours, add water up to 75% capacity and heat for another 48 hours before discharging.
- 6.Discharge the solution and strip the tank. When tanks are empty, pressure rinse through the sounding pipes with clean water for approximately one hour.
- 7.Fill and overflow the tank until the water runs clear from the sounding pipe.
- 8.Stop the water supply and discharge the tank. Remove manhole covers to allow airing of the tank.



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