



### TANK CLEANERS

## POWER TANKLEEN L

### LOW-TOXICITY EMULSIFYING TANK CLEANER AND DEGREASER

#### DESCRIPTION

**POWER TANKLEEN L** is a concentrated, heavy-duty tank cleaner comprising natural raw materials containing non chlorinated or aromatic hydrocarbons, making it an excellent cleaner after any cargo. It is a multi-functional tank cleaner and degreaser, used diluted or neat for cleaning cargo tanks, deep tanks, and bilges. It is safe for most tank coatings and can be applied to any of the standard tank cleaning methods including machine cleaning or hand spraying.

#### APPLICATION

**POWER TANKLEEN L** is excellent for the removal of inert gas soot, vegetable, fish and animal oils and fats, crude palm oil, styrene, palm fatty acids, fatty acid and greases, heavy mineral oils, greases, dopes, additives, lubricants, asphalt, distillation residues, coal tar, several synthetic resins, paraffines. Suitable for use on stainless steel, epoxy & zinc coated tanks.

**POWER TANKLEEN L** is highly concentrated, for a successful tank cleaning with less cleaning agent. It may also be used for engine rooms and/or deck cleaning and degreasing, reducing the number of different cleaning detergents required onboard.

#### USE AND DOSING

Instructions are based on experience and are meant only as a guide since circumstances for each tank cleaning operation vary. They are not intended to interfere with the judgment of the vessel's responsible personnel.

**Before Tank Cleaning:** It is recommended to prewash the tanks with hot water. For drying or semi-drying oils, a prewash with cold water should be carried out immediately after discharge of cargo to prevent hardening of oil residues. After 1 cycle slowly start to increase water temperature to increase effectiveness of the prewash.

**Re-circulation Method:** The most highly effective and widely used method. Pump the chemical solution under pressure, using a closed recirculation circuit, to a mechanical tank washing machine. The chemical solution is normally prepared in the tank to be cleaned or in the slop tank. Heat is achieved using a heat ex-changer, steam coils or live steam injection. The advantage of this method is the recovery of the heat and chemicals, for re-use in the other tanks.

Depending on the degree and nature of contamination, **POWER TANKLEEN L** is circulated as a 0.1-0.2% solution (1-2 litres per ton wash water) for a minimum period of 2-4 hours at a temperature of 65-80°C. After circulation, rinse thoroughly with (fresh) water. In case the next cargo is of high purity standard make sure to rinse with D.I. water, to meet the necessary cleanliness standard.

**Direct Injection:** Inject 0.1-0.2% of **POWER TANKLEEN L** into the washing system. Maintain cleaning temperatures up to 60°C. Cleaning time is 2-6 hours, followed by thorough rinsing with fresh hot water.



- ✓ Concentrated and cost effective, for machine and manual spraying cleaning procedures.
- ✓ Quick penetration
- ✓ Reduces cleaning time
- ✓ Minimizes downtime
- ✓ Reduces manual cleaning
- ✓ Multipurpose, for a wide range of applications
- ✓ Non-toxic and environmentally safe
- ✓ Composition conforming to MARPOL ANNEX V

#### PROBLEMS SOLVED

- ✓ Oil & Organic Deposits Cleaning
- ✓ Fuel Oils/Heavy Crude Oils Cleaning
- ✓ Organic Contamination Oil
- ✓ Oily pet coke
- ✓ Asphalt
- ✓ Gas freeing of deep tanks and fuel oil tanks

#### APPLICATION AREAS

- ✓ Cargo tanks
- ✓ Cargo holds
- ✓ Deep & double bottom tanks
- ✓ Bilges
- ✓ Engine rooms
- ✓ Fuel oil tanks
- ✓ General cleaning

PRODUCT CODE: MC 021

**Spray Method:** Spray the tank surfaces with a solution of **POWER TANKLEEN L** and let the product act for at least 30 min. Then rinse all tank surfaces with hot water for 1 or 2 cycles (approx. 30–45 min.) or as long as needed to remove the cleaning detergent. Optimum results are achieved using hot water between 60 and 80°C. **POWER TANKLEEN L** can be sprayed in a 0.1-0.2% solution to remove the last traces of hydrocarbons or in a solution up to 10% for carbonized and/or hardened residues.

**Soaking:** Use undiluted POWER TANKLEEN L and immerse heavily soiled parts into a bath. For medium to light soiled parts, use a 10-30% solution in water. Soak parts for at least 30 minutes, before washing off with water.

### PRODUCT PROPERTIES

Compatible with all normally used metals and their alloys. Rubber/synthetic rubber may swell. It is recommended to test all cleaning chemicals on a small area of tank coating, before full scale application. General Instructions: Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before and during use.

Appearance:	Liquid	pH (undiluted):	N/A
Type:	Organic based	Pour Point:	< - 15°C