

TANK CLEANERS



NEUTRAL POWER TC

NEUTRAL WATER-BASED TANK CLEANER FOR HYDROCARBON FREEING AND STRONG DEGREASING

DESCRIPTION

NEUTRAL POWER TC is a strong degreaser, based on highly efficient dissolving and low foaming surfactants. It is the proper solution for hydrocarbon freeing, but is also an excellent substitute for strong alkaline cleaners. It effectively tackles vegetable oil, animal oil, fish oil and mineral oil contamination, as well as fats.

NEUTRAL POWER TC eliminates odours and is cost effective, easy to handle and apply. Suitable for cleaning tanks coated with zinc-silicate and all common metals. It has limited application on epoxy coatings.

NEUTRAL POWER TC is an IMO approved tank cleaner. Only cleaners registered in Annex10 of IMO's MEPC.2/Circular can be used and disposed of at sea for cargo tank cleaning, when the cargo residue slops are disposable at sea. Its composition meets the criteria for not being harmful to the marine environment according to MARPOL ANNEX V.

APPLICATION

Apply **NEUTRAL POWER TC** after hydrocarbon cleaning processes, to achieve gas-free results. Use on zinc-silicate coatings and on most metal surfaces (ferrous alloys, tin, zinc, aluminum and galvanized surfaces). On epoxy coatings the product should be used diluted, with temperatures that do not exceed 60°C.

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 for non-drying oils, to pre-wash the tanks with hot water at 50°C. For drying oils and semi-drying oils the pre-cleaning should be made with cold water and it should be carried out immediately after completion of discharge of the cargo in order to retard the oxidation and hardening of oil residues.

Recirculation: The chemical solution should be prepared in an empty slop tank or one of the after tanks near the pump room and recirculated via the automatic tank washing system pump and heater to the tank to be cleaned, where from the chemical solution is returned to the slop tank via the stripping line. In certain ships it may be necessary to make a temporary connection between the slop tank and tank washing pump and onwards to the tank washing system heater, in order to maintain the temperature of the chemical solution. The capacities of the slop tank, the pipelines and pumps etc. should be calculated carefully to ensure sufficient volumetric quantity for a continuous recirculation of the chemical solution. Depending on the size and condition of the tanks to be cleaned as well as the quantity of the chemical solution, a drawback in this method is, that usually only 3 (three) tanks can be cleaned properly with one chemical solution after which a fresh chemical solution should be made and heated before cleaning can continue.

- ✓ Concentrated, natural, water-based tank cleaner
- ✓ Specialized product for hydrocarbon freeing
- ✓ Strong degreasing effect
- ✓ Suitable to use when strong alkaline cleaners are not recommended
- ✓ Safe to use on epoxy and zinc-silicated coatings
- ✓ Completely safe to use on ferrous alloys, tin, zinc, aluminum and galvanized surfaces
- ✓ Leaves no film on the cargo tanks
- ✓ Non-flammable
- ✓ IMO approved tank cleaner

PROBLEMS SOLVED

- ✓ Hydrocarbon free-cleaning
- ✓ Alternative to strong alkaline cleaners
- ✓ Non-corrosive to all tank coatings
- ✓ Vegetable oils, animals oils, fish oils, mineral oils and fats

APPLICATION AREAS

- ✓ Tank
- ✓ General cleaning

PRODUCT CODE: MC 095

Depending on the degree of contamination **NEUTRAL POWER TC** should be recirculated as a 5% solution for a period of 2-6 hours. The water temperature should be approx. 35-60°C. It is better not to use the entire quantity of the product for the initial solution. Keep a few drums for boosting the solution's cleaning efficiency, for example adding one drum of fresh chemical before initiating with a new tank. After completion of the recirculation period the tanks must be rinsed thoroughly with water.

In the case that stains remain on the surfaces, clean with undiluted **NEUTRAL POWER TC** directly on the stained area. Let chemical soak and then rinse with water.

Hand Spraying: Spray the surfaces with undiluted **NEUTRAL POWER TC**, which can be applied by brush or spraying equipment. Apply the chemicals until the tank surfaces are well soaked and let the product act for at least 30 minutes. Then rinse all tank surfaces with water at max. 60°C for 45 - 60 minutes.

Hydrocarbon Free Cleaning: After having cleaned with **POWER TANKLEEN L** or **ALPHA BILGE & TANK CLEANER** and rinsed the tanks with hot fresh water at a temperature of max. 60°C, hand spray a 15% solution of **NEUTRAL POWER TC** in freshwater on the hot tank surfaces and let it act for min. 30 minutes. Rinse thoroughly with hot De-Ionized Water (D.I. Water) when the cleaning has been completed. If freshwater is used, steam tanks afterwards in order to remove all chlorides which may cause delay in passing the Wall Wash Test for Methanol.

PRODUCT PROPERTIES

Suitable for zinc-silicate coatings and most common metals. On epoxy coatings the product should be used diluted, with temperatures that do not exceed 60°C. 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):	Neutral
Type:	Water based	Flash Point:	None