

# HYDROCARBON REMOVER

## 1. DESCRIPTION

- Neutral cleaning product based on highly efficient dissolving and low foaming nonionic surface-active agents.
- Especially developed for the removal of vegetable, animal and mineral oils as well as fats where cleaning with **ALKACLEAN** or **MARISOL** or **ALKACLEAN SAFETY** is not possible.
- Suitable for cleaning tanks coated with zinc-silicate and all common metals.

## 2. APPLICATIONS

**HYDROCARBON REMOVER** can be used for the removal of vegetable and/or animal oils and fats and light mineral oils in aluminum and/or zinc-silicate coated tanks.

**HYDROCARBON REMOVER** can be used as an after-treatment agent in hydrocarbon free cleaning operations where cleaning has been carried out with e.g. **ALKACLEAN** or **MARISOL**.

If **MARISOL** has been used for a hydrocarbon-free cleaning there may be a need for spot-cleaning treatment with **HYDROCARBON REMOVER** if contamination was excessive.

## 3. DIRECTIONS FOR USE

### Cleaning of Tanks

Prewash before cleaning with **HYDROCARBON REMOVER**, it is recommended to prewash with hot water at 50°C. For drying and semi-drying oils a prewash with cold water should be carried out immediately after discharge of cargo to retard oxidation and hardening of oil residues.

### Recirculation Method

A chemical solution is prepared in an empty slop tank or one of the after tanks near the pump room, circulated via the automatic tank washing system pump and heater to the tank to be cleaned, wherefrom the solution is returned to the chemical solution tank via the stripping line. Usually it is not possible to recirculate the chemical solution through the tank washing system heater (to maintain solution temperature) without making a temporary connection between the chemical solution tank and the tank-washing pump. Capacities of solution tank, pipeline and pumps etc. should be calculated careful to ensure sufficient volumetric quantity for a continuous recirculation. Depending on size and condition of tanks to be cleaned and quantity of chemical solution, a drawback in this method is that usually only 3 tanks can be cleaned with one solution after which a fresh solution should be made and heated before cleaning can continue. Depending on the degree of contamination **HYDROCARBON REMOVER** is circulated as a 5% solution for a period of 2-6 hours. The water temperature should be approximately 20-60°C. After the circulation period rinse thoroughly with water.

### Spray Method

(IMO APPROVED)

#### Product Highlights

- Neutral cleaning product based on highly efficient dissolving and low foaming nonionic surface-active agents.
- Especially developed for the removal of **vegetable, animal and mineral oils as well as fats**.
- Suitable for cleaning tanks coated with zinc-silicate and all common metals.

#### Product Characteristics

Appearance:	Clear liquid
Corrosive action:	None
Specific gravity:	1.0(20°C)
Flash Point:	None
pH:	7

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clean chemicals clean ships clean seas



## HYDROCARBON REMOVER

Spray the hot tank surfaces with undiluted **HYDROCARBON REMOVER** until the surfaces are well soaked and let the product act for at least 30 minutes. Then rinse all tank surfaces with water at maximum 60°C for 45 minutes.

### **Hydrocarbon Free Cleaning**

After cleaning with **MARISOL** or **UNICLEAN GP** and rinsing with hot fresh water at a maximum temperature of 60°C hand spray a 15% **HYDROCARBON REMOVER** solution in fresh water on to the hot tank surfaces and let it act for 30 minutes. Rinse thoroughly with hot chloride free water when cleaning is completed. If fresh water is used, steam tanks afterwards to remove any chlorides, which may cause delay in passing the chloride test for methanol etc.