

# UNICLEAN TANK / SEPARATING

## APPLICATIONS

UNICLEAN TANK is suitable for the cleaning of heavy fuel oils, lube oils, grease, bitumen residues etc., from cargo storage tanks, pipeline systems, engine rooms, pump rooms etc.

## DIRECTIONS FOR USE

### GENERAL

Depending on the degree of contamination, UNICLEAN TANK can be used undiluted, or diluted with seawater or fresh water in a 2% - 20% solution at 20 - 50°C. Time required for cleaning may vary from 1 - 20 hours. See cleaning methods stated below. After cleaning is completed rinse thoroughly with seawater or fresh water. After cleaning gather the emulsion in a separate tank and allow to settle for 24 hours. During the cleaning process the emulsion is stable, but upon settling the emulsion will separate into a water- and an oil phase. The oil phase will also contain the utilized UNICLEAN TANK. The water phase will usually contain less than 100 PPM of oil. Before discharging the water it should be neutralized. The pH should be reduced from 12 to 6,5 - 10, depending on requirements. Neutralizing is done by adding acid to the water.

### TANKCLEANING / SEPARATING

#### Prewash:

- Before cleaning with UNICLEAN TANK it is always recommended to prewash for 2 hours with hot water at approx. 60°C.
- For drying and semi-drying oils prewash with cold water.

#### Recirculation:

- In a separate tank prepare a chemical solution, wich contains, depending on the degree of contamination, 2% - 6% of UNICLEAN TANK.
- Circulate this chemical solution via the automatic tank washing system pump and heater to the tank to be cleaned.
- Wash the tanks for 1 - 3 hours using a cargo pump
- Return the solution to the first separate tank via the stripping line.
- One solution of product and water is used to wash max. 3 tanks. Then a new solution should be prepared.
- After washing rinse the tank thoroughly with seawater or fresh water depending on requirements and availability.

#### Spray method:

- Spray undiluted UNICLEAN TANK directly on all tank surfaces, using an air-operated drum pump connected with a delivery hose and hand spray gun.
- Depending on the degree of contamination let the product soak for 30 minutes to 2 hours.

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## UNICLEAN TANK/SEPARATING

Strong emulsifying cleaning agent for the removal of heavy mineral oils, bitumen deposits and similar residues

- Concentrated marine and industrial tank cleaner.
- After 24 hours settling the emulsion is broken up into a water- and an oil phase; the oil phase contains the utilized cleaner.
- Suitable for heavy duty cleaning of engine rooms and pump rooms.

### PRODUCT CHARACTERISTICS

Appearance:	clear yellow brown liquid
Specific gravity:	0,91 (20°C)
pH (1% solution):	7,0
Flash point:	>63°C
Corrosive action:	safe for use on oil-common metals
IMO Class:	9 / III
UN Number:	3082
ADR:	9.11c)

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Spray method (continued):

- Rinse the tank for 45 minutes with water at 60°C, using the automatic tank washing machines. For spot cleaning only use hand-held hose for rinsing.
- The hand spraying method is the most economical in usage of chemicals, but the tanks have to be gas-free to enable the men to enter them. Hand spraying takes more time.

Spot cleaning:

For spot cleaning use the hand spraying method described above.

*UNICLEAN TANK* is not suitable for "hydrocarbon free" cleaning operations. In such cases it is recommended to use *WATERBASED NEUTRAL HCF*, another efficient cleaner by *UNIMARINE SERVICES*.

## **NATURE OF SPECIAL RISKS AND SAFETY ADVICE**

In accordance with the latest EEC Council directives this product is subjected to:

R51/53 : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment

R65 : Harmful; may cause lung-damage if swallowed

S2 : Keep out of reach of children

S23 : Do not breathe gas, fumes, vapor or spray

S24 : Avoid contact with skin

S60 : The material and its container must be disposed of as hazardous waste

S61 : Avoid release to the environment. Refer to special instructions / safety data sheets

S62 : If swallowed do not induce vomiting; seek medical advice immediately and show the container or label