

## Alkaliquid HD

### Description

#### TANK CLEANERS

**Product Code:** 110005

### **HEAVY-DUTY ALKALINE CLEANER FOR DRYING, SEMI-DRYING AND NON-DRYING NATURAL OILS AND FATS**

- Removes Stubborn Residues: Effectively removes drying, semidrying, and non-drying natural oils and fats
- Emulsifies and Saponifies: Emulsifies and saponifies residues for efficient removal of vegetable, fish, and animal oils and greases
- Sanitizing and Deodorizing: Acts as a sanitizer and deodorizer
- Powerful Cleaning Action: Features strong surface-acting agents for effective cleaning
- Versatile Applications: Suitable for a wide range of cleaning tasks
- Solvent-Free: Does not contain solvents
- Safe and Environmentally Friendly: Non-flammable formula
- Efficient and Economical: Provides effective cleaning while being cost-efficient
- Residue-Free: Leaves no oily film
- Composition conforming to MARPOL ANNEX V

#### **APPLICATION AREAS**

Cargo tanks  
Railings  
Black to white or black to grain cleaning  
Boiler tubes

#### **PROBLEMS SOLVED**

Drying/semi drying oils  
Non-drying natural oils and fats  
Vegetable, fish and animal oils and fats  
Tank freshening  
Light fuel  
Lube oils & hardened oxidised oil  
Greases  
Palm fatty acids  
Wax deposits

### **DESCRIPTION**

**Alkaliquid HD** is a potent, alkaline-based degreaser formulated with strong surface-active agents to effectively remove oils (drying, semidrying, and non-drying), greases, and waxes. Its saponifying and emulsifying properties make it ideal for these tasks. Additionally, it is suitable for tank sanitizing, deodorizing, and boiling out new or retubed boilers. While effective on most common metals, it should be avoided on aluminum, tin, zinc, and galvanized metals.

## APPLICATION

**Alkaliquid HD** is the solution for most tank cleaning operations. It is applied as a diluted solution to remove greases, vegetable and animal oils, pet coke deposits, dirt, and grime. It's also suitable for cleaning heavily soiled areas. For tank sanitizing and deodorizing before handling foodstuffs, a final wash with **Alkaliquid HD** is recommended, especially after using solvent-based tank cleaners.

**Alkaliquid HD** can be used diluted to remove light fuel and lube oils from cargo and storage tanks, as well as associated systems. It's also effective for boiling out new or retubed boilers and cleaning contaminated boilers and related systems.

## 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:** Removing large oil or residue deposits from the tank prior to cleaning is recommended to ensure effective cleaning and prevent polymerization and evaporation of lighter oil fractions.

**Recirculation Method:** Prepare a solution of up to 3% **Alkaliquid HD** in a mixing tank, depending on contamination. Recirculate the solution at 60-80°C for 2-6 hours using an automatic tank washing machine. Heating coils in the tanks can be used for heating. Be mindful of the maximum recirculation temperature, as some natural oils may require lower temperatures due to their polymerizing nature. Ensure sufficient cleaning solution for continuous recirculation by carefully calculating the system's volume. One cleaning solution typically cleans 2-3 tanks. After chemical cleaning, thoroughly rinse the tanks with water.

**Direct Injection:** This is the most economical method for tank cleaning. Use **Alkaliquid HD** by direct injection, followed by recirculation washing using tank cleaning machines.

**Manual Cleaning:** Wear protective clothing, including goggles and face masks, to prevent liquid from splashing into the eyes. Scrub the area to be cleaned with a brush or broom using generous amounts of the diluted cleaning solution. Flush cleaned surfaces with water.

**Changing Refrigerated Cargoes:** When changing refrigerated cargoes, clean holds to remove animal or vegetable fat and deodorize. A 5-10% solution of **Alkaliquid HD** in fresh water can be sprayed on neat and high-pressure hosed off.

**Boiler Fireside Cleaning:** Apply a 5-10% hot solution to the surfaces to be cleaned by spraying. Allow the solution to penetrate for 20 minutes and flush off. For stubborn deposits, increase the concentration and repeat if necessary.

## PRODUCT PROPERTIES

Concentrated product is incompatible with aluminum, zinc, tin and their alloys. For zinc silicate coatings use Alkaliquid Safety. It is recommended to test all cleaning chemicals on a small area of tank coating, before full scale application.

Appearance: Liquid

pH (undiluted):  $13.5 \pm 0.5$

Density:  $1.25 \pm 0.05 \text{ g/cm}^3$

Flash Point: None

General Instructions: Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before and during use.