

# ALKACLEAN SAFETY

## 1. DESCRIPTION

A non-caustic heavy alkaline cleaner formulated for cleaning animal, vegetable, mineral and fish oils, from tanks with special coatings including zinc.

- Adds substantial degree of safety to the washing process due to its non-caustic base.
- Minimizes the extreme hazards to ships personnel is handling caustic based materials.
- Bio Degradable / Non-Toxic / Non-Pollutant.
- Incorporated in the product are inhibitors to prevent corrosion of metals such as zinc, aluminum, copper, brass, and tin. This is a critical requirement for vessels using zinc protective tank coatings.

## 2. APPLICATIONS

**ALKACLEAN SAFETY** is specifically designed to improve cleaning efficiency while overcoming the limitations imposed by caustic based cleaning compounds. **ALKACLEAN SAFETY** can also be used as a deodorizing wash in all applications.

## 3. DIRECTIONS FOR USE

Our general recommendations are for cleaning tanks for edible cargos to a degree of cleanliness where no contaminants are to be tolerated in the next cargo. Recirculate or inject **ALKACLEAN SAFETY** at .075 - .7% (.75 - 7 liters) strength per ton of fresh water after the tanks have been stripped and rinsed. Modified procedures are required with drying oils. **ALKACLEAN SAFETY** can also be applied neat in spray applications followed by a rinse. Dilute product at a rate of 1-7.5 parts with water.

UNI AMERICAS Service Engineers are available to review your specific problem and offer recommendations for the best results at minimum costs.

## 4. OTHER INFORMATION

### SAPONIFYING ANIMAL AND VEGETABLE OILS AND FATS

Saponification is the alkali-induced process of splitting animal and vegetable fats to form a soluble soap. **ALKACLEAN SAFETY** breaks oil into fine droplets, which are saponified easily.

### EMULSIFYING MINERAL OILS AND GREASES

Oils, which cannot be saponified, are removed by emulsification. **ALKACLEAN SAFETY** homogenizes grease, oil, and fat particles into small sizes and disperses them evenly in water. Particles are kept segregated and prevented from recombining and reattaching to the cleaned surface.

### DEFLOCCULATION

Solid dirt is not removed by saponification or emulsification. **ALKACLEAN SAFETY** breaks up agglomerated masses into very fine particles, which repel each other.

**THE MOST ADVANCED AND ECOLOGICAL VERSION OF ANY NON-CAUSTIC TANK CLEANING COMPOUND FOR USE IN ZINC COATED TANKS**

**(IMO APPROVED PRODUCT)**

#### Product Highlights

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#### Product Characteristics

Appearance:	Pale clear yellow liquid
Corrosive action:	Not dangerous
Specific gravity:	1.022
Flash Point:	None
pH:	11.5-12

This information is not to be taken as a warranty or representation for which we assume any legal responsibility. The information is offered solely for your consideration, investigation and verification.

clean chemicals clean ships clean seas

