

# ALKACLEAN SAFETY

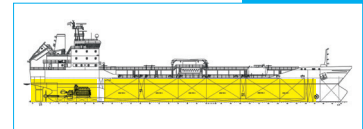
The Most Advanced and Ecological Version of Any Non Caustic Tank Cleaning Compound

## Technical Information

### PHYSICAL DATA

Appearance:	Clear liquid
Specific gravity:	1,1
Flash point:	None
Ph 1% solution:	10
Classification:	Not regulated

### USAGE AREAS



### APPROVALS



### DESCRIPTION

A non caustic heavy alkaline cleaner formulated for cleaning animal and vegetable 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.

### ADVANTAGES

Uniservice Unisafe 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.

#### 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.

#### De-flocculation

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

# ALKACLEAN SAFETY

## APPLICATION

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 5% strength in 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. Uniservice Unisafe Service Engineers are available to review your specific problem and offer recommendations for the best results at minimum costs.

## DOSAGE TABLE

Approximate strengths for various cargo residues

Cargo Residue	Handspray	Recirculation	Direct injection	Approximate recirculation consumption Ltrs. per 1000 m <sup>3</sup> Tank capacity
Fatty acids, fatty alcohols	100%	3-5%	2-5%	180-300
Fish oils	100%	3-5%	2-5%	180-300
Drying & semi-drying vegetable oils	50-100%	2-4%	1-3%	180-240
Non-drying vegetable oils	50-100%	2-4%	1-3%	180-240
Petrochemicals		2-4%	3-5%	120-240
Light hydrocarbons		2-4%	3-5%	120-240
Light hydrocarbon film		2-3%	2-3%	120-180

Consumption quantities above relate to a multi-tank cleaning operation where the chemical solution is re-used

## IMPORTANT NOTICE

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.