

ALKACLEAN SAFETY

APPLICATIONS

ALKACLEAN SAFETY is a non-caustic heavy duty alkaline cleaner formulated for cleaning animal and vegetable oils from tanks with special coatings including zinc. It 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.

DIRECTIONS FOR USE

ALKACLEAN SAFETY is recommended for cleaning tanks for edible cargoes to a degree of cleanliness where no contaminants are to be tolerated in the next cargo. Re-circulate 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.

SAPONIFYING ANIMAL, VEGETABLE & 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 that 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 re-combining and re-attaching to the cleaned surfaces.

DE-FLOCCULATION

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

NATURE OF SPECIAL RISKS AND SAFETY ADVICE

In accordance with the latest EEC Council directives this product is not subjected to any recommendation. Voluntary *UNIMARINE* recommendation:

- R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed
S2 : Keep out of reach of children

Code: 161161413



ALKACLEAN SAFETY

Advanced ecological non-caustic tank cleaning compound

- Adds substantial degree of safety to the washing process due to its non-caustic base.
- Minimizes the extreme hazards to ship's personnel in handling caustic based materials.
- Biodegradable, non-toxic, non-pollutant.
- Contains inhibitors to prevent corrosion of zinc, aluminum, copper, brass and tin. This is a critical requirement for vessels using zinc protective tank coatings.
- Can be used as deodorizing wash

PRODUCT CHARACTERISTICS

Appearance:	clear liquid / white emulsion
Corrosive action:	suitable for use on zinc - silicate coatings and most common metals
Specific gravity:	1,1 (20°C)
pH 1% solution:	7-10
Flash point:	none
IMO Class:	not regulated
UN Number:	not regulated
ADR:	not regulated

UNIClean