

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

Description

Uniservice Unisafe ALKACLEAN SAFETY is a non-caustic, alkaline cleaner formulated for cleaning animal and vegetable oils from tanks with special coatings. It enhances safety in the washing process by eliminating the extreme hazards associated with handling caustic-based materials. ALKACLEAN SAFETY is biodegradable, non-toxic, and environmentally friendly. It also incorporates inhibitors to prevent corrosion of metals such as aluminum, copper, brass, and tin, making it ideal for vessels with protective zinc tank coatings.

Advantages

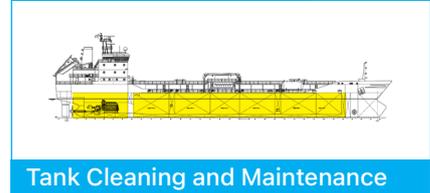
Uniservice Unisafe ALKACLEAN SAFETY is designed to improve cleaning efficiency while addressing the limitations of caustic-based cleaning compounds. It can also serve as a deodorizing wash in various applications.

- ▶ **Saponifying animal and vegetable oils and fats**
Saponification is the alkali-induced process of breaking down animal and vegetable fats to form soluble soap. ALKACLEAN SAFETY efficiently breaks down oils into fine droplets for easy saponification.
- ▶ **Emulsifying mineral oils and greases**
Oils that cannot be saponified are removed through emulsification. ALKACLEAN SAFETY homogenizes grease, oil, and fat particles, dispersing them evenly in water and preventing recombination and reattachment to cleaned surfaces.
- ▶ **De-flocculation**
Solid dirt particles are not removed by saponification or emulsification. ALKACLEAN SAFETY breaks up agglomerated masses into fine particles, preventing them from reattaching.

Application

Our general recommendations are to clean tanks for edible cargos to a degree of cleanliness where no contaminants are tolerated in the next cargo. Recirculate or inject ALKACLEAN SAFETY at a 5% concentration in fresh water after tanks have been stripped and rinsed. Modified procedures are required for drying oils. ALKACLEAN SAFETY can also be applied undiluted in spray applications, followed by rinsing. Uniservice Unisafe Service Engineers are available to assess your specific needs and provide recommendations for optimal results at minimal cost.

USAGE AREAS



PACKAGING



APPROVALS



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Dosage Table Approximate Strengths for Various Cargo Residues				
Cargo Residue	Handspray	Recirculation	Direct Injection	Approx. Recirculation Consumption (liters per m ³) 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 Vegetables Oils	50–100%	2–4%	1–3%	180–240
Non-Drying Vegetables 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 Hydrocarbons Film	–	2–4%	2–3%	120–280

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

Health Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

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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

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