



material safety data sheet :

ALCACLEAN H.D.™

DESCRIPTION :

ALCACLEAN H.D. is a high quality product classified as a general cleaner/remover of vegetable oil, animal oil, fat, fuel oil, lube oil and pet coke residues from cargo and storage tanks as well as to other systems. Furthermore, it removes carbonaceous deposits, resulting from car exhausts that can exist in a ship's garage area, roof walls and hull sides. This powerful concentrated formula provides immediate and efficient results whilst also acting as an odor eliminator. Its use on Aluminum, Zinc and Tin surface coatings is prohibited unless further dilution with water has been conducted.

ADVANTAGES AND CHARACTERISTICS :

- Effectively dissolves all fat, vegetable and animal oil, dry or not.
- Can be used as a general purpose cleaner to remove oil and grease deposits.
- Can be combined with a specific range of products.
- Cost effective, easy to apply and use. During 1996, chemical tankers were only permitted to use tank cleaning agents, which had been approved and evaluated by the International Maritime Organisation (IMO).

PHYSICAL PROPERTIES :

ALCACLEAN H.D. is a water solvent alkaline concentrated liquid solution, consisting of specific salts, detergents and wetting agents.

Appearance / Color : Clear, colorless liquid

Odor : Odorless

Specific gravity : 1.22 gr/cm³ at 15 °C

pH : 13

Flash Point : None

APPLICATION AND USE :

A. Dosing Procedure Rock and Roll method: Add 15–20 litres of ALCACLEAN H.D. for every ton of fresh or sea water when the tank is filled to 30% of its capacity. Circulation method: A solution of 5–10% must be prepared by diluting ALCACLEAN H.D. with fresh or sea water. Injection method: Prepare a solution of 5–10% by diluting ALCACLEAN H.D. with fresh or sea water.

B. Cleaning Procedure Rock and Roll method: After you have filled the tank with water (fresh or sea) to 30% of its capacity and added the required amount of ALCACLEAN H.D., let it stand for approximately 24 hours. Then fill with more water to 90% of the tank's capacity level. This way the tank will be cleaned by natural agitation due to wave motion. Leave for a few days, then drain the tank completely and rinse off by ballasting–deballasting the tank 2–3 times with water. Circulation method: After the solution is prepared, apply by circulating for approximately 6–8 hours. Thereon, wash thoroughly with water. Injection method: When the prescribed solution is prepared, inject directly to the contaminated area. Afterwards, rinse thoroughly with water.

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SAFETY AND HANDLING:

HANDLING	Handle with care. Store in a dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS.
Eye Contact	Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
Skin Contact	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
Inhalation	Do not breathe gas/vapors. Otherwise, seek fresh air source at once. Seek medical attention. In case of insufficient ventilation, wear suitable respiratory equipment.
If Swallowed	Avoid ingestion. Otherwise, consume a considerable quantity of water. Do not induce vomiting. Seek medical attention.
GENERAL INSTRUCTIONS	Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before use

Read the Material Safety Data Sheet before using this product.

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

Kemotor ships Services or any subsidiary or associated companies warranties of merchantability and competence, if any, along with any expressed warranties concerning this merchandise, shall not be actionable or pertinent or effective if the good is used contrarily or differently to the directions herein and in no other way due to impending hazards from inappropriate use of the good explained herein. Merchandise might vary insubstantially depending on country of origin. The information provided concerning merchandise is exclusively presented to the customer.

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