

ALKACLEAN HD

APPLICATIONS

ALKACLEAN HD (POTASSIUM BASED) is used for removal of vegetable and animal oil residues in cargo tanks. It is also used as a final treatment for cleaning tanks from black to white or grain. *ALKACLEAN HD (POTASSIUM BASED)* is suitable for use on ferrous metals, including stainless steel and epoxy tank coatings. *ALKACLEAN HD (POTASSIUM BASED)* is used for cleaning boiler furnace and as a neutralizing agent.

DIRECTIONS FOR USE

TANK CLEANING

Tankcleaning should, if possible, be carried out immediately after discharge of cargo. *ALKACLEAN HD (POTASSIUM BASED)* should be applied with water at a temperature above 60°C if possible. The cleaning should be done by circulation using tank cleaning machine, spray equipment or injected into the steam.

QUICK DRYING OILS

Use a 3% to 5% solution of *ALKACLEAN HD (POTASSIUM BASED)* with fresh water.

SEMI-DRYING OILS

Use a 5% solution of *ALKACLEAN HD (POTASSIUM BASED)* with fresh water.

NOTE: fresh water solutions are recommended. If seawater solution is used, it is recommended that dosage amount be increased by 1.5 times the amount required for fresh water solutions.

BOILER FURNACE CLEANING

Use a 10% to 20% solution of *ALKACLEAN HD (POTASSIUM BASED)* with fresh water. A hot solution of more than 40°C is preferable as treatment is more effective when heated. Apply solution to surfaces to be cleaned by spraying. Depending on the nature, age and state of the deposits, repeat spraying as necessary. For deposits, which are very hard to remove a solution of up to 50% can be used.

CLEANING OIL CONTAMINATION IN BOILERS & HEAT EXCHANGERS WATER SIDE

Generally the amount of *ALKACLEAN HD (POTASSIUM BASED)* required is 4% of the unit capacity depending on the degree of contamination. The above dosage may be increased to 5-10%

Continued on page 2

ALKACLEAN HD (POTASSIUM BASED)

Heavy duty alkaline cleaner

- Removes hardened oxidized oil and grease deposits
- Cleaning of boiler furnace
- Removes vegetable, fish and animal oils
- Final treatment for cleaning cargo tanks from black to white or grain
- Safe on epoxy and polyurethane tank coatings

PRODUCT CHARACTERISTICS

Appearance:	clear amber liquid
Corrosive action:	avoid contact with aluminum, zinc, tin and their alloys
Specific gravity:	1,3 (20°C)
pH:	>13
Flash point:	none
IMO Class:	8 / II
UN Number:	1824
ADR:	8.42b)

PROCEDURE

1. Blank off unit to be certain that it is isolated
2. Drain unit of all water
3. Connect steam hose, preferably to bottom of unit
4. Connect re-circulating pump, if possible. If not, use steam for agitation, vent unit at highest possible point to prevent pressure build-up and allow fumes to escape
5. Pour 4% of *ALKACLEAN HD (POTASSIUM BASED)* into the unit
6. Add fresh water to the top of tube bundle level or minimum water level for boilers
7. Heat solution to at least 60°C (140°F) and re-circulate for a minimum of 20 to 24 hours after this temperature is attained
8. After heating and re-circulation or agitation, dump the solution from the unit
9. For boilers, flush each tube with fresh water in order to remove oil residues

NATURE OF SPECIAL RISKS AND SAFETY ADVICE

In accordance with the latest EEC Council directives this product is subjected to:

- R35 : Causes severe burns
S2 : Keep out of reach of children
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S27 : Immediately take off all contaminated clothing
S36/37/39 : Wear suitable protective clothing, gloves and eye / face protection
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible)