



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### APEX-418 ALKACLEAN HD

Heavy duty alkaline cleaner

Pet Coke cleaner

- Rapid penetration and emulsification of vegetable, animal and fish oils with rapid rinsing
- Removes hardened oxidised oil and grease deposits
- Can also be used as final treatment for cleaning tank from black to white or grain
- Can be used for hydrocarbon freeing of cargo tanks

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IMO APPROVED  
TANK CLEANER

### DESCRIPTION

*APEX-418* Alkaclean HD is an alkaline and biodegradable general purpose cleaning solution. It can be used with almost every method of cleaning and will effectively and safely clean any surface fast.

*APEX-418* Alkaclean HD solution breaks caked-on grease, carbon stains and stubborn soils on any washable surfaces.

### APPLICATIONS

*APEX-418* Alkaclean HD 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. *APEX-418* Alkaclean HD is suitable for use on ferrous metals, including stainless steel and epoxy tank coatings. *APEX-418* Alkaclean HD is used for cleaning boiler furnace and as a neutralizing agent.

### DIRECTIONS FOR USE

#### TANK CLEANING

Tank cleaning should, if possible, be carried out immediately after discharge of cargo. *APEX-418* Alkaclean HD should be applied with water at a temperature between 60°C to 80°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 2% to 6% solution of *APEX-418* Alkaclean HD with fresh water.

#### SEMI-DRYING OILS

Use a 5% solution of *APEX-418* Alkaclean HD with fresh water.

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



### APEX CHEMICALS (S) PTE LTD

132 Tuas South Avenue 2, Singapore 637171  
Tel: +65 6483 5350 Fax: +65 6483 5359  
E-mail: [apexchem@singnet.com.sg](mailto:apexchem@singnet.com.sg)  
URL: [www.apex-chemicals.com](http://www.apex-chemicals.com)



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## BOILER FURNACE CLEANING

Use a 10% to 20% solution of *APEX-418* Alkaclean HD 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.

## PET COKE CLEANING

*APEX-418* Alkaclean HD can be used undiluted. Spray the product on the surface and let it soak for 15-20 minutes. Wash with fresh or sea water. The dilution depends on the deposits and contamination and on a case by case basis, it can be diluted 5 to 10%.

## 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 the 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 *APEX-418* Alkaclean HD 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



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132 Tuas South Avenue 2, Singapore 637171  
Tel: +65 6483 5350 Fax: +65 6483 5359  
E-mail: [apexchem@singnet.com.sg](mailto:apexchem@singnet.com.sg)  
URL: [www.apex-chemicals.com](http://www.apex-chemicals.com)



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