

FUEL & SLUDGE CONDITIONER

DESCRIPTION

AFT-15 FUEL & SLUDGE CONDITIONER is a highly effective blend of dispersants, stabilizers, hydrocarbon solvents and sludge dissolving agent. **AFT-15** is designed to overcome the problems in the pre-combustion stage in diesel and steam propulsion plants burning residual fuels. **AFT-15** helps to prevent sludge buildup and deposits in heaters, filters, strainers, burners and maximize bunker yields.

PROBLEMS IN THE PRE-COMBUSTION STAGE

SLUDGE AND SEDIMENTS: **AFT-15** reduces the growth and polymerization of asphaltenes. It reduces filter clogging and carbonization of burner tips and improve atomization. Soluble sludge and sediments will be removed by the detergents present in this Fuel & Sludge Conditioner.

WATER IN OIL : Strong emulsifying agents release the water from the oil and improves the performance of the purifier.

CORROSION OF THE FUEL SYSTEM : Due to its alkaline nature, **AFT-15** neutralizes the acids in the oils and reduces corrosion attacks on the total fuel system.

BACTERIOLOGICAL ATTACKS : Bacteriological attacks may occur in water pockets in the fuel. This may result in clogging of filters and blockage of the total fuel system. **AFT-15 Fuel & Sludge Conditioner** demulsifies the eater/oils emulsions, and this problem is thereby avoided.

DOSAGE

A dosage of 1 : 4000 is recommended under normal operating conditions. In case of severe contamination, the dosage should be increased to 1 : 1000.

WHERE TO DOSE : **AFT-15** should be dosed into the bunker tank before bunkering. Dose through the sounding tube or the fill pipe.



SPECIAL APPLICATIONS

CLEANING OF FUEL-OIL PRE-HEATERS : Circulate **AFT-15** through the cleaning plugs provided for this purpose.

CLEANING BURNER TIPS : Soak tips in the undiluted liquid and flush.

CLEANING FUEL FILTERS : Soak filter in the undiluted liquid and flush.

CLEANING LUBE-OIL COOLERS : Due to its high wax and carbon dissolving properties, **AFT-15** is very suited for cleaning lube oil coolers. The liquid should be used undiluted in accordance with the manufacturers' cleaning instructions.

TANK CLEANING : The high wax-dissolving properties of **AFT-15** makes it excellent for removing wax deposits from tank tops, bulkheads and tank bottoms. Spray **AFT-15 Fuel & Sludge Conditioner** undiluted on to the surfaces and leave to soak for as long as one hour.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Clear Yellow Liquid
BOILING POINT	: 160°C - 250°C
SPECIFIC GRAVITY	: 0.85 – 0.95
VAPOR PRESSURE	: <0.1mm Hg
VAPOR DENSITY (AIR=1)	: Less than 1
% VOLATILE (BY VOL)	: 100%
SOLUBILITY IN WATER	: NA
ODOR	: Characteristic hydrocarbon



SAFETY AND HANDLING INFORMATION

Protective Measures	Use with good industrial hygiene and avoid direct contact. Wear full protective clothing, impervious gloves, goggles or full-face mask. Use in only adequately ventilated areas, equivalent to outdoors. Neat AFT-15 should not be heated above 55°C.
Spillage & Disposal	Remove all ignition sources and isolate area. Stop leak at source if this is possible. Recover free liquid and ventilate area. Keep petroleum products out of sewers and water courses by impounding. Absorb residue with dry sand or earth. Dispose off absorbed residue as per local authority requirements.
<u>FIRST AID</u>	
Eyes	Rinse eyes with copious amount of water for at least 15 minutes. If irritation persists, seek medical advice.
Skin	Wash skin thoroughly. Remove grossly contaminated clothing, including shoes and launder before reuse. Seek medical attention if necessary.
If Inhaled	Evacuate victim to open air. If breathing or circulation has stopped, apply appropriate resuscitation. Keep at rest. Seek prompt medical attention.
If swallowed	Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Seek prompt medical attention. Never give anything via mouth to an unconscious person.
<u>HANDLING</u>	
Storage & Transportation	Product should be stored and transported in original containers. Keep container lid tightly sealed and dry. Store in a cool and dry area, away from direct sunlight, ignition sources or extreme heat. Keep away from open flames.
Packaging	Supplied in 25 litres and 200 litres non-returnable containers.

To the best of our knowledge, the information contained herein is believed to be accurate and reliable. It is the user's obligation to evaluate and use this product safely and comply with all applicable laws and regulations. Apex Chemicals (S) Pte Ltd and its vendors make no other warranty or representations of any kind or implied, concerning the product including no implied warranty of merchantability. The product is offered solely for your consideration, investigation and verification. No license or immunity under any patents is granted or implied.

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