

NavalKleen

CONCENTRATED MICROBIAL-ENZYMATIC HYDROCARBON REMEDIATION AGENT

For
OIL-WATER SEPARATORS - MARINE BILGES - OILY WASTE TANKS

PRODUCT OVERVIEW

NavalKleen™ has the ability to reduce hydrocarbon contamination in bilges, oily waste tanks and oil water separators providing significant financial and operational savings. The additional cleaning and degreasing bio-surface agent will help to keep your facility clean and safe for all personnel. When used in a routine maintenance program, NavalKleen™ will eliminate hydrocarbon build-up, eliminating the need to clean bilges, pump the oily waste tanks and clean the oil water separator.

For particularly heavy hydrocarbons, including bunker fuels and #2 and 6 diesels, our super-strength NavalKleen II™ is recommended to remediate the heaviest of hydrocarbon contaminants.

HOW TO USE

NavalKleen™ is highly concentrated and effective. The following suggested uses are a general guide to the use of the product. Call us for help with specific issues.

General Cleaning: In a sprayer, using a ratio of 15:1 (Water to NavalKleen™) spray cofferdams, decks etc.

Dry Bilges: In a sprayer or pressure washer, using a ratio of 20:1, wash the bilges or deck area. Allow the NavalKleen™ to consume the hydrocarbon based compounds. Operate the bilge pumps and transfer to oily waste tanks.

Wet Bilges: Mix NavalKleen™ using a ratio of 15:1 and pour mixture into the bilges. Treat as for general cleaning.

Oil Water Separator: Add 1% of the "OWS" capacity to the separator. Allow to re-circulate and agitate.

WHAT IT CAN TREAT

NavalKleen™ and NavalKleenII™ can be used to remediate all petroleum hydrocarbons. The following is only a partial list of the most common contaminants:

Common Fuels

NO. 2 DIESEL FUEL	AVGAS	F-44 (JP-5)	NAVAL DISTILLATE FUEL NDF - MIL-F-16884H
NO. 6 DIESEL FUEL	DF-A ARTIC	JP-5 JET FUEL	BURNER FUEL OIL - ASTM D396 STD SPEC FUEL OIL
BUNKER C	DF-1 LOW TEMP	JP-7 JET FUEL	JP-5/ JP-8 STANDARD - MIL-T-5624P AVIATION TURBINE FUEL
GASOLINE	JP-4 JET FUEL	DF-2 GENERAL	JP-8 AVIATION TURBINE
KEROSENE	F-76 DIESEL	NPD MGO	DIESEL FUEL MARINE (DFM)

Common Lube and Hydraulic Oils

9250 LO6 LUBE OIL DIESEL - MIL-L-9000H LUBE OIL, SHIPBOARD HIGH OUTPUT DIESEL	MIL-H-17672D-HYDRAULIC FLUID PETROLEUM	ANSI/SAE J1899-95
2190 TEP LTL LUBE OIL - MIL-L-17331H LUBE OIL STEAM TURBINE	MIL-H-19457D-HYDRAULIC FLUID, FIRE RESISTANT	MOTOR OIL AUTOMOTIVE
MIL-L-23699- AIRCRAFT GAS TURBINE SYNTHETIC LUBRICANT	TRANSMISSION FLUID	MINERAL OIL
MIL-H-19457D-HYDRAULIC FLUID, FIRE RESISTANT	TRANSFORMER OIL	PARAFFIN

Common Hazardous Substances

ETHYLENE GLYCOL	ISOPROPYL ALCOHOL	PAINT THINNER	TURCO SOLVENT
GLYCOLETHERS	MINERAL SPIRITS	PETROLEUM DISTILLATES	XYLENE
KETONE SOLVENTS	BENZENE	STODDARD SOLVENT (PD-860)	ETHYLBENZENE
ACETONE	NAPHTHALENE	TOLUENE	ORGANIC PESTICIDES
METYL ALCOHOL	N-HEXANE		

TECHINICAL INFORMATION

NavalKleen™ and NavalKleen II™ are pH Neutral, bio-degradable and sustainable.

Product Effectiveness: The effectiveness of this product and the speed at which it works is determined by certain factors. In general, these factors are:

- **Temperature:** The warmer the temperature the faster this product will work. The effective operating temperature is between 6°C and 54°C (42°F and 130°F).

- **Aeration and Pressure:** Aeration (air hose) and pressure speed the process.

- **Type of Hydrocarbon:** Some hydrocarbons take longer than others.

The bio-remedial process generally will begin immediately but may take longer to complete depending on the above factors.

Appearance	Pale Yellow Liquid
Odor	Orange Citrus
Boiling Point	212°F (100°C)
Soluble in Water	Complete
pH Concentrate	6.9 to 7.2
pH Diluted	6.9 to 7.5
Evaporation Rate	Same as water

PACKAGING INFORMATION

Available from stock in 20L cases (2 x 10L jugs).
Bulk packaging available to order.

For more information on NavalKleen and other products from SpillAway Brands™, please contact:

SpillAway Projects Ltd, 37 Underhill, Moulsoford, Oxfordshire, OX10 9JH

Tel: 01491 651392

Email: info@spillawayprojects.co.uk

