

Maritime Applications

As a midships cleaner Oil Muncher is very effective as a hand wiping material in cleaning the engine room where fuel, oil, smoke, etc. are a problem. Mix 1 part Oil Muncher to 60 parts water and wipe down the area with a wet cloth. No rinsing or further wiping is necessary.

Oil Muncher is excellent for swabbing down decks and bulkheads. It will not damage paint or wooden surfaces and helps prevent rust on exposed surfaces. This mixture should be 1 part Oil Muncher to 40 parts water.

Small amounts of cleaner may be introduced into the ship's ventilation system by means of an atomizing spray to dispel foul odors. A mixture of 1 part Oil Muncher to 50 parts water will effectively remove stack gases.

Oil Muncher will remove tarnish and corrosion from copper, brass and silver. Moreover, it will remove light rust from iron and steel when used in a soak tank operation at a concentration of 1 part Oil Muncher to 5 parts water. Dwell time will depend entirely upon the degree of contamination.

A concentration of 1 part Oil Muncher to 20 parts water effectively removes mildew from lines, canopy, sails, rigging, upholstery, keel, ect. This same mixture removes oil from bilges, decks, hulls, engines and engine cowlings; also salt water and salt spots on windshield, decks and hull.

Oil Muncher is completely safe to use throughout the vessel because it has no ingredients to disturb the grain of fine woods, no chlorides to bleach painted surfaces, no detergents to deteriorate plastics and fiberglass and no petroleum solvents to craze or warp plastics and fiberglass materials.

Oil Muncher works well when diluted with fresh or salt water and is one of the few cleaning solutions which may be used in any body of water without harming marine aquaculture, flora or fauna and does not alter marine eco-environmental systems. In addition, it contains no nitrates, sulphates, phosphates, sulphonates, caustics or chlorides.

Oil Muncher may be used for all purposes in the food services area of galleys. Please the Restaurant section for applications.

Heavy Duty Cleaning

Heavy duty cleaning of fuel tanks, refrigerator containers, engine rooms, boiler fireside wash-downs, with no toxic or polluting properties.

For removal of crude oil and other petroleum products from the holds of tankers, Oil Muncher should be sprayed into the holds by low volume, high pressure pumps through the use of revolving spinner heads which can be lowered into the hold. This type of operation suggest the use of a 5 degree Vee-Jet nozzle. The process of spraying should commence as soon as possible after the ship is empty, so as to prevent the formation of volatile gases from remaining crude oil or other petroleum residue. Continue the pumping process until Oil Muncher has covered the entire surface. For best results this solution should be allowed to set for about 1 hour, after which the Butterworth system should be used for 30 to 45 minutes.

It is important to note, at this point, that Oil Muncher can be left on the interior of the holds for time periods longer than 1 hour with no problem. The initial hour is simply recommended to give it time to break down the

crude oil or like kind petroleum products, and longer periods will not decrease its efficiency, since complete evaporation will not occur. Accordingly, the results will be the same if Butterworthing is delayed 24 hours as if it were done in sequence. After this procedure has been completed, the hold should be clean and gas free. If any gases do remain, then spray the interior of the hold with a mixture of 1 part Oil Muncher to 20 parts water through the revolving spinner heads. This will leave the tank gas free.

Because Oil Muncher holds oil solution and breaks it down to such a degree that it cannot stick back together, this procedure can be completed without fear of creating an oil slick in the wake of the ship. Once the reaction has occurred, the oil begins to lose its identity as an oil and takes on the characteristics of a water soluble. There are not reverse emulsions with Oil Muncher.

Cleaning engine rooms with a mixture of 1 part Oil Muncher to 5 to 10 parts water will emulsify grease and act as a fire preventative as the product is non-flammable and non-explosive.

Refrigerated containers may be cleaned with a solution of 1 part Oil Muncher to 10 to 20 parts (or greater for lighter soil) water. Cleaning with Oil Muncher will eliminate and control odors, as well. Also, successive cleaning should be easier one all the soil is removed.

Since Oil Muncher is non-fuming, enclosed areas such as engine rooms, hold and ship interiors will not subject to additional gases and fumes making cleaning less hazardous to the personnel. No special gloves, clothing, masks or other safety gear is required when cleaning with Oil Muncher.

Bilge Cleaning

Approximately 8 gallons of Oil Muncher will disperse 70 gallons of oil from a ship's bilge. Agitate with 80 to 100 gallons of fresh or salt water. If at sea, the roll of the ship will agitate the solution sufficiently. If in the harbor, beat it up with high pressure water until the oil goes into solution. When the Oil Muncher has completely absorbed the oil, the mixture will look milky. Oil Muncher is very efficient on Bunker "C" type fuel oil.