

Oil Spills

Open and Unrestricted Waters

Ratio: Use 1 part Oil Muncher to approximately 40 parts water.

Application

- 1) The about solution should be sprayed under pressure upon the entire area of the oil spill.
- 2) Begin at the outer edge, spraying the above mixture onto the oil spill. Continue spraying on oil slick in decreasing concentric pattern until entire slick has been sprayed.
- 3) Normal open water wave and wind action will provide agitation and aid in dispersion.
- 4) Patrol area and spray mixture upon any remaining oil slick residue.

Note: For heavy spills, several application or increased ratio may be required.

How Often Applied

As required for complete dispersion.

Benefits of Oil Muncher

- 1) Under the above conditions, will not harm marine life. Passed Methods of Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms (EPA/600/4-90/027, USEPA EMSL, Cincinnati, September 1991)
- 2) Holds oil in water solution, therefore oil loses its identity as an oil and takes on characteristics of a water soluble and will not recombine.
- 3) Easily applied with existing ship's equipment, e.g. Duplex Foam Proportimer provides mixing ratio of approximately 1 part Oil Muncher to 16 parts water. Therefore 1 part Oil Muncher to 2.5 parts water should be placed in proportimer tanks.
- 4) Use salt water – conserve fresh water

Restrictions or Cautions

- 1) Oil spill should be sprayed with above mixture as soon as possible for best results and economy of operations.
- 2) For information and planning: 8 gallons of Oil Muncher will disperse approximately 70 gallons of Crude Oil or Bunker "C" when applied in the above mixture and agitated with pressure of 90 PSI water. The amount of Oil Muncher required to disperse or clean-up an oil spill will vary with wind and sea conditions, amount, type and thickness of the oil spill and time delay from spill to application of the Oil Muncher.
- 3) For best results, spray mixture of Oil Muncher and water upon the spill. Undiluted Oil Muncher is NOT as effective, will take longer and increase costs of the clean-up operation.

Restricted Waters

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Application

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- 2) Begin at the outer edge, spraying the above mixture onto the oil spill. Continue spraying on oil slick in decreasing concentric pattern until entire slick has been sprayed.

- 3) If in quiet waters – use high pressure sprayer or other means of open water agitation to replace normal wave action at sea.
- 4) .

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Restrictions or Cautions

Check with local port authorities or the Coast Guard before using to preclude violating any governmental restrictions.