

DESCRIPTION

OSD/LT oil spill dispersant is a superior low toxicity oil dispersant for combating pollution from oil spills. Powerful wetting agents and solvents combine with a fast penetrating, oil-soluble liquid carrier specifically designed to disperse oil spilled on water.

OSD/LT oil spill dispersant also has proven itself to be an effective product for cleaning and dispersing oil on solid surfaces such as docks, decks and piers.

Through extensive testing and research, Drew Marine has developed OSD/LT, a highly effective, low toxicity oil spill treatment, to meet today's stringent pollution and environmental standards.

OSD/LT dispersant has been granted license by the following agency:

- **MARINE MANAGEMENT ORGANIZATION, UK (FORMERLY DEFRA)**
as a Type 1 Dispersant

In addition, OSD/LT dispersant is approved by the following governments:

- **HONG KONG**
- **SINGAPORE**

APPLICATION & USE

Prior to using OSD/LT as an oil spill dispersant, it is necessary to consult with the local authorities before application. When approved and used as directed, applying OSD/LT dispersant as soon as possible after an oil spill occurs enables the dispersant to effectively diminish overall damage to the environment.

I. Spills on Water

A. For Small Spills: Spray Method

1. Spray the predetermined amount of full strength OSD/LT uniformly over the surface of floating oil using a pressurized spray device with a coarse spray pattern.

2. Allow about 15 minutes for OSD/LT to penetrate, then vigorously agitate the treated surface. This may be accomplished by one of the following methods:

- (a) Delivering a jet of water onto the treated oil from a fire hose.
- (b) Backing a lightly loaded launch through a treated slick.
- (c) Allowing a 3-5% OSD/LT in seawater solution spray to strike the oil ahead of the vessel's bow wave, thereby obtaining agitation from the bow wave as well as from the screws.
- (d) Towing a five-bar gate or modified five-bar gate as specified by Warren Spring Laboratory through the treated slick at 2-4 meters/second.

B. For Larger Spills: Positive Displacement - Pump or Eductor Method

1. Spray a solution of 3-5% OSD/LT on floating oil by pumping seawater through a boom or spray device while a positive displacement pump or eductor injects full strength OSD/LT dispersant into the water pump suction at a rate previously determined.
2. This should be done from a height of approximately 75cm above the surface of the slick in front of the normal bow wake to agitate the treated oil and allow time for penetration.
3. Additional agitation can be provided as described in A.2.

II. Spills on Solid Surfaces (Docks, Decks, Piers, etc.)

- A. Pour full strength OSD/LT dispersant on the oil spill and mix thoroughly with a mop, broom or other appropriate agitating device.
- B. Apply water and continue the agitation until penetration is complete.
- C. Remove the treated oil/water mixture by flushing with full force stream of water.

FEATURES

- Concentrated blend of dispersants and solvents
- Low toxicity
- Biodegradable components
- Licensed and registered by regulatory bodies

BENEFITS

- Effectively disperses oil and reduces fire hazard
- Cost effective
- Minimal crew/environmental impact
- Product efficiency and benefits have been approved for use



Contact your Drew Marine representative for more information

III. Accumulations on Dock Pilings, Harbor Structures and Supports

- A. Spray contaminated areas with concentrated OSD/LT and allow to soak for 15-30 minutes.
- B. Scrub treated surface with a stiff brush.
- C. Rinse the scrubbed area with a full force stream of water.
- D. Repeat Steps A through C as often as necessary to clean the contaminated surface.

IV. Oil on Beaches and Shorelines

When approved and used as directed, applying OSD/LT as soon as possible after an oil spill occurs enables the dispersant to effectively diminish the overall damage to the environment. On thin layers of oil, 1 liter of OSD/LT will disperse 25 square meters of oil.

NOTE: A vessel sailing in an oil spill should not use its evaporators during cleaning operations. Possible contamination of evaporators by treated oily seawater, which might be drawn into the suction lines, will be avoided. Where there are specific laws regarding the application of oil spill treatment chemicals, it is necessary to consult with the local regulatory agency before application of any oil spill dispersant product.

TYPICAL PROPERTIES

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|--------------------------|----------------------------|
| Appearance: | Light, yellow clear liquid |
| Odor: | Mild |
| Specific Gravity @ 25°C: | 0.81 |
| Flash Point (PMCC): | 85°C |

NOTE: Always wear the appropriate personal protective equipment when using this product.

PACKAGING

OSD/LT oil spill dispersant is available in 25-liter (PCN 0082404) and 200-liter containers (PCN 0082420).

IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



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