

# UNICLEAN OSD ENVIRO

## 1. DESCRIPTION

- Fast acting dispersion of oils.
- More environmental – extremely low Marine toxicity.
  - totally biodegradable.
  - contains no petrochemical solvents.
- User friendly and non-flammable.
- Dilution of UNICLEAN OIL DISPERSANT (Superdispersant 25), which is approved by the Ministry of Agriculture, Fisheries and Food U.K., EPA-listed and tested by Warren Spring Laboratory for efficiency as type II and III product according to LR 448 specifications.

**UNICLEAN OSD ENVIRO** is the environmental solution for pollution of the sea. It is a dilution of a Type II & III approved product (UNICLEAN OIL DISPERSANT). This efficient dispersant can be used for a wide range of oils, converting the oil slick into small droplets, which are rapidly distributed within the sea due to natural water movement. Special compounds in **UNICLEAN OSD ENVIRO** inhibit coalescence. This dispersion into the sea enhances the biodegradation of the oil.

## 2. APPLICATIONS

**UNICLEAN OSD ENVIRO** should be sprayed onto the oil slick using spraying equipment connected to booms with spray nozzles supplied by a pump from storage tanks. When using the product the sea surfaces should be agitated using breaker boards, boat propellers, bow wave etc. to help disperse the oil. When dealing with small spills from vessels use hand spray pump or an inductor and fire hoses or monitor. This will mix the dispersant with seawater and agitating the sea will help break up the oil slick as well as applying the dispersant. This technique has also proved valuable when dealing with small spills in ports and harbors between ships side, wharfs and pilings etc. or anywhere, which has difficult access.

### BEACH AND SHORE APPLICATION

**UNICLEAN OSD ENVIRO** may be used for beach and shore cleaning as it meets toxicological standards required for cleaning. Before using **UNICLEAN OSD ENVIRO** on beaches the local environmental social, economic and political consideration should be taken into account. Where application is justified the most appropriate method of uses will depend on the type of shoreline, type of oil and amount. When a beach has oily liquid from a spill it is advisable to remove as much of it as possible mechanically before using a dispersant.

The amount of dispersant used is depending on the type of oil; in case of light to medium crude oils and light to medium fuel oils **UNICLEAN OSD ENVIRO** will be sufficient. For heavier oils or mousse like residues we advise to us UNICLEAN OIL DISPERSANT. Apply the dispersant over the oil working from the low water mark upwards, before a rising tide, or in areas where it is calm or small tidal movements use hoses to wash down the shoreline to remove oil from rocks and beach.

## 3. DIRECTIONS FOR USE

### READY-FOR-USE OIL SPILL DISPERSANT

(IMO APPROVED)

#### Product Highlights

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#### Product Characteristics

Appearance:	Clear liquid
Corrosive action:	None
Specific gravity:	1.0
Flash Point:	None
pH:	7

This information is not to be taken as a warranty or representation for which we assume any legal responsibility. The information is offered solely for your consideration, investigation and verification

clean chemicals clean ships clean seas



# UNICLEAN OSD ENVIRO

**UNICLEAN OSD ENVIRO** should be used neat and can be applied by spraying from the surface vessels. Used neat **UNICLEAN OSD ENVIRO** will disperse in practice a ratio of about 2 to 4 times its own volume.

## 4. OTHER INFORMATION

The effectiveness of the oil dispersant will vary depending on the state of the oil, i.e. its pour point and viscosity at sea temperature and the time of weathering, evaporation of the lighter fractions of oil and the formation of oil-in-water emulsions, which will all quickly increase viscosity and pour point and hence increase resistance to dispersion.

It is therefore essential to use **UNICLEAN OSD ENVIRO** at an early as possible stage in the clean up operation if it is to be effective. We recommend users of oil dispersants to read the IMO publication “IMO / UNEP Guidelines on Oil Spill Dispersants Application and Environmental Considerations”: this book gives more information on the application of dispersants. We would also like to point out that the use of dispersants in many countries is governed by the local authorities or Coast Guards and permission to use the product must be sought.