



**MARINE  
CARE**

# CARECLEAN OSD ENVIRO

## Water based Oil Spill Dispersant

- Environmental friendly
- Biodegradable
- Non Toxic
- Water based
- Approved by:  
> Marinfloc

### DESCRIPTION

Careclean OSD Enviro is a water based blend of detergents, dispersants and hydrophilic solvents. The product is used for fast and environmentally safe removal of hydrocarbons, like heavy fuel, from water surfaces at sea or in port.

### ADVANTAGE

- fast acting dispersion of oils
- contains no petrochemical solvents
- user friendly and non-flammable

### APPLICATIONS

#### *At sea and in port*

Careclean OSD Enviro has to be sprayed onto the oil slick. When using the product, the sea surface should be agitated using breaker boards, boat propellers, bow wave etc., to help to disperse the oil. When dealing with small spills from vessels, use a hand spray pump or an eductor and fire hoses. This will mix the dispersant with seawater. Agitating the seawater will help to break the oil slick as well as applying the dispersant. This technique has also proven valuable when dealing with small spills in ports and harbors between ships side, wharfs and pilings, etc., or any area which has difficult access.

#### *On Beaches an Shore*

Careclean OSD Enviro can be used for beach and shore cleaning. Before using Carelcean OSD Enviro on beaches, the local environmental, social, economic and political consideration and legislation should be taken in account.



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## APPLICATIONS

Where application is justified, the most appropriate method of use will depend on the type of shore line, oil type and amount of spill. When a beach has oily liquid from a spill, it is advisable to remove as much as possible mechanically before using a dispersant. The amount of dispersant used is dependent on the type of oil. In cases of light to medium crude oils and light to medium fuel oils, Careclean OSD Enviro will be sufficient. Apply the dispersant over the oil working from the low watermark upwards, before a rising tide, or in areas where it is calm or where are small tidal movements. Use hoses to wash down the shore line to remove oil from rocks and beach.

## DIRECTIONS FOR USE

Careclean OSD Enviro oil spill dispersant should be used neat and can be applied by spraying from the surface vessels. Used neat it will disperse oil in a ratio of about 2 to 4 times its own volume.

For large spills, a pump unit is used that supplies the product to boom mounted nozzles. For small spills a hand spray pump or educator is used.

## TECHNICAL 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, the time of weathering, evaporating of the lighter fractions of oil, the formation of oil-in-water emulsions. This all will quickly increase viscosity, pour point and hence increase resistance to dispersion.

To be effective, it is essential to use Careclean OSD Enviro as early as possible in the cleanup operation. We recommended 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 emphasize that the use of dispersants in many countries is governed by local authorities or Coast Guard. Permission to use the product can be required.

## DOSAGE

Spraying	undiluted
Consumption	1 liter per 2 - 4 liter oil

## PROPERTIES

Article number	14104 / 16104
pH	6,5 - 7
Density	1,00 g/cm <sup>3</sup>
Flashpoint	None
Physical state	Liquid

## APPROVALS

Marinfloc Approved OWS Compatible

For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.

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