



VPCI™ FORMULATED PRODUCTS FOR PROCESS INDUSTRIES



gas oil  
brine

# EcoClean® Dispersant 600

## Biodegradable Dispersant for the Petroleum Spills



### PRODUCT DESCRIPTION

EcoClean® Dispersant 600 is a very effective biodegradable, non-toxic dispersant-emulsifier. EcoClean® Dispersant 600 is recommended for the use on the sea water, contaminated with spills of oils/petroleum-based products for dissipating of thin petroleum films from the water surface.

EcoClean® Dispersant 600 should be used after the main amount of contaminating petroleum is already removed. The remaining oil usually forms the film which preventing absorption of the oxygen/air into water and as a results damaging coastal and sea life.

EcoClean® Dispersant 600 has the hydrophilic-hydrophobic balance, which provides ability to be emulsified in water and dispersed in oil. When EcoClean® Dispersant 600 is incorporated in oil - water mixture, it prevents the oil to form the film on the water surface by breaking the oil in 500-700 µm size separate droplets (micelles). These separated micelles disperse in the water and do not effect the oxygen/air exchange on the water-air interface.

### FEATURES

- Completely organic
- Biodegradable
- Environmentally friendly
- Not irritative
- Economical
- Can be used on river- and sea-water

### TYPICAL APPLICATION

EcoClean® Dispersant 600 can be applied as is or pre-diluted with sea- or fresh water in the ratio 1:10. This mix should be spread onto the contaminated area of water. Utilizing splashing machine helps to provide powerful mixing of water in this are. Under this conditions EcoClean® Dispersant 600 droplets will get under the oily film and disperse it. Oil particles will be broken into micelles, containing oil inside and water with surfactant outside. Such a structure prevents conglomerates from coagulation and reconstructing the oil film on the water surface.

### TOXICITY

LC50/48 hours	170 mg/L (M. bahia)
Biodegradability	> 60% after 28 days
NOEC*/LOEC**, ppm,	
CTs, M. bahia	100/300

\*NOEC - No observed effect concentration

\*\*LOEC - Lowest observable effect concentration

### TYPICAL PROPERTIES

Appearance	Clear, slightly viscous liquid
Non-volatile Content	90-100%
pH	6-8 (1% aqueous)
Density	7.7-7.8 lb/gal (0.92-0.94 kg/l)



## PACKAGING AND STORAGE

EcoClean® Dispersant 600 is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, liquid totes and bulk.

EcoClean® Dispersant 600 should be sealed before storage. The shelf life is up to 24 months.

## FOR INDUSTRIAL USE ONLY

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

### LIMITED WARRANTY

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