



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

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