



VpCI® FORMULATED PRODUCTS FOR PROCESS INDUSTRIES



# EcoClean® Dispersant 600

## Biodegradable Dispersant for Petroleum Spills



### PRODUCT DESCRIPTION

EcoClean Dispersant 600 is a biodegradable, non-toxic, dispersant-emulsifier recommended for seawater that has been contaminated by oil and/or petroleum-based product spills. It has been awarded USDA BioPreferred<sup>SM</sup> designation ([www.biopreferred.gov](http://www.biopreferred.gov))

Cortec® recommends EcoClean Dispersant 600 be used after the bulk of oil/petroleum has been removed. The remaining oil/petroleum forms a film, which prevents absorption of oxygen into water, resulting in damage to coastal and sea life.

EcoClean Dispersant 600 has a hydrophilic-hydrophobic balance, which provides the ability to be emulsified in water and dispersed in oil. When incorporated in an oil/water mixture it prevents the oil from forming a film on the water's surface by breaking up oil into 500-700 µm sized droplets (micelles). These separated micelles disperse into the water and do not affect the oxygen exchange on the water-air interface.

### FEATURES

- USDA Certified biobased product
- Contains 81% biobased content
- Completely organic
- Biodegradable
- Environmentally Friendly

- Non-toxic
- Economical
- Can be used on Fresh and Sea water

### TYPICAL APPLICATION

EcoClean Dispersant 600 can be applied as is or pre-diluted with sea or fresh water (ratio 1:10). Utilizing a splashing machine helps to mix the treated area. Under these conditions, EcoClean Dispersant 600 will migrate under the oily film, and disperse it. Oil particles will be broken into micelles containing oil inside and water with surfactant outside. This structure prevents conglomerates from coagulation or reconstructing an oil film on the water's surface.

### TOXICITY

M. bahia, LC50/48 hours	170 mg/L
M. bahia, NOEC**/LOEC***, CTS	100/300 ppm
*Selenastruem capricornutum E <sub>b</sub> C <sub>50</sub> , 72 hours	> 100 mg/L
*Phaeodactylum tricornutum E <sub>b</sub> C <sub>50</sub> , 72 hours	> 100 mg/L
*Daphnia magna E <sub>b</sub> C <sub>50</sub> , 48 hours	> 100 mg/L
*Biodegradability	> 70% after 28 days

\*Test performed by Institute of Public Health, Department of health ecology, Zagreb, Croatia

\*\*NOEC - No observed effect concentration

\*\*\*LOEC - Lowest observable effect concentration



## TYPICAL PROPERTIES

Appearance	Clear to slightly hazy, yellow to amber, liquid
Non-volatile Content	90-100%
pH	6-8 (1% aqueous)
Density	7.7-7.9 lb/gal (0.92-0.95 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 stored in closed containers. 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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