

Hydrocarbon Encapsulating Polymer



Oil with OXP-151 applied

OXP-151 Polymer

OXP-151 is an environmentally safe polymer that effectively encapsulates petroleum and other hydrocarbon based products. OXP-151 encapsulates and permanently bonds hydrocarbons such as kerosene, gasoline, diesel fuel, crude oil, jet fuel, benzene and xylene.

OXP-151 is insoluble in water and can safely absorb hydrocarbon spills in waterways without effecting the environment. The bonded hydrocarbon spill will float on the water and can be easily recoverable.

Once the hydrocarbon is bonded, it will not leach out. It forms a permanent bond with the OXP-151 that is not biodegradable. The low ash content (<0.6%) of OXP-151 allows the bonded hydrocarbons to be incinerated.

With the high and rapid absorption capacities, OXP-151 requires considerably less product to clean up any spill. The disposal costs are considerably lower with fewer by-products to dispose of.

Applications:

OXP-151 is effective for land and water applications.

On land: Spread a thin layer of powder on the spill. The bonded hydrocarbon can then be collected by hand or using other mechanical means.

On water: Spread a thin layer of powder on the spill by mechanical or manual means. Start at the outer edges around the spill and work inward toward the center. Once bonded, the hydrocarbon can literally be picked up off the water.



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Benefits:

- **Cost effective: High absorption rate requires less product**
- **Inexpensive disposal methods**
- **Floats on water for easy recovery**
- **Environmentally safe**
- **Non-hazardous**
- **Non-toxic**
- **Quick absorption rates on all hydrocarbons**
- **Permanent bonding of the hydrocarbon**
- **Product can be incinerated**
- **Product will not leach out**
- **Passes TCLP test**

TCLP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE

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Encapsulation Rates:

OXP-151 absorbs different hydrocarbons at different rates. The chart below shows the bonding rate with various hydrocarbons at 70°F. Bonding rates are expressed as a ratio by weight. For example, 1 pound of OXP-151 will bond and encapsulate 15 pounds of kerosene in 15 minutes.

Figures in parentheses () are the volumetric absorption capacity of OXP-151 on the hydrocarbons listed. For example, 1 pound of OXP-151 will encapsulate and bond 2.3 gallons of gasoline within 15 minutes.

OXP-151 absorbs and bonds hydrocarbons very quickly and effectively. Over 82% of its absorption capacity is achieved within the first 5 minutes on all spills with the exception of sour crude oil. Maximum absorption and bonding is achieved on all hydrocarbons within 30 minutes.

The above encapsulation rates were verified and tested by a certified independent environmental testing laboratory using OXP-151 on various hydrocarbons placed in water.



**1/2 gallon of gasoline encapsulated using
150 grams of OXP-151**

Specifications:

Product	Temp. °F	5 minutes	15 minutes	30 minutes
Sour Crude	70 °F	6.3 (1.0)	8.1 (1.3)	9.8 (1.5)
Sweet Crude	70 °F	10.5 (1.6)	11.4 (1.8)	12.8 (2.0)
Kerosene	70 °F	13.2 (1.9)	15.0 (2.2)	15.2 (2.2)
Diesel	70 °F	13.5 (1.9)	14.3 (2.0)	15.0 (2.1)
Gasoline	70 °F	13.3 (2.1)	14.0 (2.3)	15.0 (2.4)

Uses:

OXP-151 can be used anywhere there is a need to clean up hydrocarbon spills into waterways or on land. With its fast bonding rate OXP-151 can quickly encapsulate spills into water, keeping it from spreading, emulsifying and sinking. It can also be applied to shorelines ahead of a spill to encapsulate the spill before it can soak into the ground.

NOTICE:

The above information is given without any warranty or representation. We do not assume any legal responsibility for same. This information is offered solely for your consideration, investigation and verification. Users assume full responsibility for the application of any product. Before using any product, read the entire label. Encapsulated hydrocarbons are still hazardous materials. All encapsulated materials must be disposed of in compliance with local, state and federal laws and regulations.



Vigilant Marine Systems, LLC

170 N. Maple Street • Suite 104 • Corona, CA 92880

Tel: + 1 951-808-9940 • Fax: + 1 951-808-8530

email: info@vigilantmarine.com • www.vigilantmarine.com