



## **BIOZYME - CRUDE SPILL**

**Multiple enzyme formulation to remove oil spills**

### **Enzymes based formulation for Hydrocarbon Crude Oil Degradation**

**BIOZYME - CRUDE SPILL** is a new concept in degradation of hydrocarbon crude oil spilled over a water or land surface. This formulation contains multi Enzymes mixtures and microbes.

#### **MODE OF ACTION:**

Once **BIOZYME - CRUDE SPILL** is applied to the targeted area, the enzymes and microbes will attach themselves to the hydrocarbons and start to attack their carbon structure and metabolize it into natural organic substances from the humus family. Aquatic plants and animal life will feed on this nutrient.

**BIOZYME - CRUDE SPILL** generally takes from 5 to 50 minutes to penetrate the molecular walls of hydrocarbons. Warmer conditions favour faster biological action whereas colder conditions may reduce the speed of decomposition. Within hours, odour will be negligent, and changes will be noticeable in seven days, depending on the temperature. Once **BIOZYME - CRUDE SPILL** has been applied to the oil, even if the oil disperses, sinks or fragments, it will not be able to evade decomposition, until every drop of oil has been totally broken down. **BIOZYME - CRUDE SPILL** will also break down the adhesive properties of the hydrocarbons, preventing the oils from attaching to animals, vegetation, rocks or earth.

#### **BENEFITS USING BIOZYME - CRUDE SPILL:**

1. High concentrated formula
2. Maximum hydrocarbon crude Oil elimination
3. Effective under wide range of conditions
4. Work under both aerobic and anaerobic conditions
5. Can withstand toxic shock load
6. Never stops working
7. Mitigates Odour problem
8. Safe environmentally friendly

**APPLICATION METHOD:**

BIOZYME – CRUDE SPILL can be applied with any commercially available spray apparatus, such as small hand held tanks, back packs, large mixing tanks with mechanical pumping devices, vessels with booms for spraying wide paths, or liquid spray devices on crop duster airplanes or helicopters.

BIOZYME - CRUDE SPILL can also be applied by eductor systems from vessels, fire trucks, or any other outfitted vehicle.

First, start by spraying the outer perimeter of the spill and systematically work towards the middle of the affected area, making sure to cover the entire surface area of the spill.

**DOSAGE AND DILUTION METHOD:**

BIOZYME - CRUDE SPILL should be diluted with the water which is locally available. For general applications and light oil films, dilute each kg of BIOZYME - CRUDE SPILL with source water (fresh, brackish, or salt water) at a ratio of 1:50.

5 Kg of BIOZYME - CRUDE SPILL is required per Metric ton of oil spilled. Dilution varies depending on oil thickness or simple sheen floating on water surface.

**PACKAGING:**

BIOZYME - CRUDE SPILL is available in standard 25 kg HDPE drum and can be also custom packed upon request.

**SHELF LIFE:**

BIOZYME - CRUDE SPILL is stable under recommended storage conditions for a period of 12 months with less than 5% drop-in activity.