

Oil spill on the sea

- Rapid and total removal of the oil by mechanical means is not feasible at a spill of any significant size
- Addition of chemicals into the environment is undesirable. Dispersants are toxic, or their use causes the oil to have greater toxic effects.
- Traditional dispersants tend to move the oil out of sight accelerating its sinking below surface.
- Natural **KEEEN Oil Spill Control (OSC)** bioremediation agent produce a net environmental benefit by rapidly initiating oil degradation from the sea surface and preventing or minimizing surface and shoreline impacts.

Use of OSC on an oil spill on the sea

1. Estimate the spill area, thickness of oil slick and determine oil type
2. Estimate the oil volume (thickness X area)
3. Reserve OSC amount equaling 10% of the oil volume
4. Mix it with sea water to 1:40 ratio
5. Apply with a high pressure sprayer on the whole spill area to initiate bioremediation quickly



Test case on pond of oily water

Procedure

1. Prepare electric supply, water pump, rubber tube and joints.
2. Arrange a bucket and high pressure pump for mixing KEEEN Oil Spill Control.
3. Connect water pump and circulating water system with high pressure pump for pumping oil contaminating water into a bucket.
4. Mix KEEEN - Oil Spill Control formula with water in a ratio of 1:40 into a container of a high pressure pump.
5. Spray KEEEN - Oil Spill Control into the pond.
6. Spray all area in the pond and repeat spraying for 5 hours.
7. Use air shaker for circulating water and adding air into the pond for a week in order to enhance biodegradation all the time.