

ReVive Series

Remediation Products for Brine Water or Oil Spills

This report outlines the advantages of ReVive-O and ReVive-W, which are products designed to remediate soil contaminated with crude oil or produced oilfield brine water.

ReVive-O

ReVive-O is a biodegradable dispersant that has many uses besides the remediation of crude oil contaminated soil, such as degreasers and diesel/gasoline spill cleanup after accidents on highways. But the purpose of this report is to focus on soil remediation.

Advantages:

- Eliminates soil removal /replacement. When one considers the dollars spent on disposing of contaminated soil, this single advantage provides a huge cost savings.
- Does not contain bacteria, but rather utilizes the soils natural bio-remediation capabilities. This is accomplished by using wettability to disperse and force the oil into the soil. The application process of ReVive-O also provides a bacteria source as well.
- May be used in dry creek beds or ponds. However, the EPA has not approved the use on running water situations.
- ReVive-O is not harmful to the oil refinery process.
- ReVive-O can be used for oil recovery, land cleanup, or remediate old oil spill sites.

Application:

- Land / contaminated soil cleanup
 - Mix 1 gallon of ReVive-O with 1 barrel of fresh water per barrel of oil spilled.
 - Spray ReVive-O/fresh water mixture onto spill utilizing a nozzle to facilitate foaming and to hold some back pressure. The oil will become milky in appearance.
 - If the amount of oil is unknown, use 100 bbls of the ReVive-O/fresh water mixture per acre of contaminated soil.
- Oil Recovery
 - Mix 1 gallon of ReVive-O with 1 barrel of fresh water per 2 barrels of oil spilled.
 - Spray ReVive-O/fresh water mixture onto spill . A milky emulsion will form.
 - Flow mixture towards a dam on the low side of the spill, and recover with a vacuum truck. The fluid can be taken to stock tanks, separated, and sold as crude oil.
- Old Oil Spills
 - Till the contaminated soil.
 - Mix 1 gallon of ReVive-O with 1 barrel of fresh water per barrel of oil spilled.
 - Spray ReVive-O/fresh water mixture onto spill utilizing a nozzle to facilitate foaming and to hold some back pressure. The oil will become milky in appearance.
 - If the amount of oil is unknown, use 100 bbls of the ReVive-O/fresh water mixture per acre of contaminated soil.