

EOS₁₀₀

Water-mixable organic substrate
excellent for barrier applications and
high velocity aquifers



Water-mixable vegetable oil based organic substrate which provides a long-lasting source of carbon for enhanced *in situ* anaerobic bioremediation

Product Advantages

- Ideal for fractured rock
- Extended shelf life
- Food-grade and USDA certified
- 100% fermentable carbon
- Increased oil retention - longer life in biobarriers



Redox Tech



Description

EOS₁₀₀ is a water-mixable vegetable oil based organic substrate which provides a long-lasting source of carbon for enhanced *in situ* anaerobic bioremediation. EOS₁₀₀ is shipped as a concentrate; simply mix with water to instantly create an injection-ready oil solution.

EOS₁₀₀ benefits:

- 100% fermentable
- Employs the proven EOS® technology
- Larger droplet size for greater oil retention
- Excellent for barrier and fractured rock applications

Domestic supply made in the USA with US farmed soybeans.

Chemical & Physical Properties

<u>Oil Concentrate: EOS₁₀₀</u>	<u>Typical</u>
Organic Carbon (% by wt.)	100
Refined and Bleached US Soybean Oil (% by wt.)	85
Slow Release Organics (% by wt.)	15
Specific Gravity	0.92 - 0.93

Packaging

Shipped in 55-gallon drums, 275-gallon IBC totes or bulk tankers (40,000 lbs.)

Handling & Storage

EOS₁₀₀ is shipped as concentrated oil that is diluted with water in the field to prepare a solution for easy injection. EOS₁₀₀ has a low viscosity and can be distributed with commonly available pumps or by continuous metering with a diluter (e.g., Dosatron™). Dilution ratios for EOS₁₀₀ typically range from 4:1 to 20:1 (water: EOS₁₀₀) depending on site conditions. EOS₁₀₀ injections should be followed with additional chase water to maximize distribution of EOS₁₀₀ into the formation.

EOS₁₀₀ as shipped, has a shelf-life of ≥ 2 years depending on storage conditions.