



Description

EOS_{QR} is a quick release soluble substrate for rapid fermentation and short-lived electron donor addition. EOS_{QR} is designed to pre-condition the aquifer creating a highly reducing redox state and initiate enhanced anaerobic dechlorination of contaminated groundwater. EOS_{QR} serves as an excellent pre-treatment prior to an emulsified oil substrate (EOS[®]) injection.

EOS_{QR} benefits:

- A food grade substrate without sodium; ideal for salt-sensitive aquifers
- Rapidly-biodegradable substrate to “jump start” bacterial growth
- Soluble in water for excellent transport in the subsurface
- Provides more electron equivalence per pound than sodium lactate

Chemical & Physical Properties

<u>Soluble Carbon Concentrate:</u> EOS _{QR}	<u>Typical</u>
Rapidly Biodegradable Soluble Substrate (% by wt.)	99
Specific Gravity	1.25 – 1.26
Viscosity (at ambient temp.)	~1,500 cP
Organic Carbon (% by wt.)	99
Mass of Hydrogen Produced (lbs. H ₂ per lb. EOS _{QR})	0.15

Packaging

Shipped in 55-gallon drums, 275-gallon IBC totes

Handling & Storage

EOS_{QR} is shipped as a ready-to-use concentrate that can be diluted with water in the field. Dilution ratios for EOS_{QR} typically range from 4:1 to 10:1 (water: EOS_{QR}) depending on site conditions.

For best performance, use EOS_{QR} as shipped within 90 days of delivery and store at a temperature between 40°F (4°C) to 100°F (38°C).

EOS_{QR}

A quick release soluble substrate for rapid fermentation and short-lived electron donor addition



Water soluble organic substrate to pre-condition the groundwater before emulsified oil injection or as a short-term stand alone treatment of chlorinated solvents

Product Advantages

- Compatible with other EOS[®] electron donors, CoBupHM_g and BAC-9
- Sodium free
- “Jump starts” bacterial growth
- Soluble in water
- 99% food-grade fermentable carbon
- 2x hydrogen release compared to sodium lactate

EOS
EOS Remediation



Experience you can rely on,
Products you can trust™