


EOS PRO		PRODUCT INFORMATION SHEET Emulsified Oils Family	
<div>Description</div> <div></div>	<p>EOS PRO (formerly 598B42) is a nutrient-enriched, DoD-validated, food-grade oil/water emulsion designed to quickly stimulate microbial activity while providing long-term nourishment to enhance anaerobic bioremediation of chlorinated solvents, nitrates, perchlorate, energetics, acid mine drainage, and other recalcitrant chemicals in contaminated groundwater. EOS PRO can also be used to reduce redox sensitive metals and radionuclides. The negative surface charges on the droplets combined with small droplet size promote effective transport in the subsurface.</p> <p>EOS PRO benefits:</p> <ul style="list-style-type: none">• Includes biostimulating vitamins and nutrients• Rapidly-biodegradable substrates to “jump start” bacterial growth• Slow release biodegradable substrates to promote long-term biological activity• Small oil droplet size• Negative surface charge• Neutral pH• Extensive third party validation <p>EOS PRO incorporates the proven patented EOS® technologies that clients have trusted for more than a decade. Made in the USA with US farmed soybean oil.</p>		
	<div>Chemical & Physical Properties</div>	<div>Oil Emulsion Concentrate: EOS PRO</div> <div>Refined and Bleached US Soybean Oil (% by wt.)</div> <div>Rapidly Biodegradable Soluble Substrate (% by wt.)</div> <div>Other Organics (emulsifiers, food additives, etc.) (% by wt.)</div> <div>Specific Gravity</div> <div>pH (Standard Units)</div> <div>Median Oil Droplet Size (microns)</div> <div>Organic Carbon (% by wt.)</div> <div>Mass of Hydrogen Produced (lbs. H₂ per lb. EOS PRO)</div>	<div>Typical</div> <div>59.8</div> <div>4</div> <div>10</div> <div>0.96 - 0.98</div> <div>6.0 - 7.0</div> <div>1.0</div> <div>74</div> <div>0.25</div>
<div>Packaging</div>	Shipped in 55-gallon drums, 275-gallon IBC totes or bulk tankers (40,000 lbs.)		
<div>Handling & Storage</div>	<p>EOS PRO is shipped as a ready-to-use concentrated emulsion that can be diluted with water in the field to prepare a high quality suspension for easy injection. EOS PRO has a low viscosity and can be distributed with commonly available pumps or continuous metering with a diluter (e.g., Dosatron™). Dilution ratios for EOS PRO commonly range from 4:1 to 20:1 (water: EOS PRO) depending on site conditions. EOS PRO injections should be followed with additional chase water to maximize distribution of EOS PRO into the formation.</p> <p>For best performance, use EOS PRO within 60 days of delivery and store at a temperature between 40°F (4°C) to 100°F (38°C).</p>		

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