



EOS Asia Remediation Co., Ltd.

Experience you can rely on, Products you can trust

<h1>EO<sub>x</sub></h1>	<h2>PRODUCT INFORMATION SHEET</h2> <p>Electron Acceptors Family</p>	
<b>Description</b>	<p>EO<sub>x</sub> is an established <i>in situ</i> technology that enhances the aerobic biodegradation of a wide range of contaminants.</p> <p><b>EO<sub>x</sub> Benefits:</b></p> <ul style="list-style-type: none"> <li>• Slowly releases oxygen (typically between 9-12 months) to aid long-term aerobic biodegradation</li> <li>• Lowest cost calcium peroxide on the market</li> <li>• Powdered material with no inert fillers</li> <li>• Increases pH</li> <li>• Effective for a wide range of hydrocarbons, including BTEX and PAHs</li> </ul> <p><b>EO<sub>x</sub> Applications:</b></p> <ul style="list-style-type: none"> <li>• Excavations: Evenly disperse powder in the base of excavations and add water to saturate the subgrade and backfill.</li> <li>• Direct Injection: Mix powder with water (4 parts water: 1 part EO<sub>x</sub>) and inject through conventional wells or direct push rods.</li> <li>• Filter Socks: Fill powder into custom-made filter socks and lower it down the remediation wells.</li> </ul>	
<b>Chemical &amp; Physical Properties</b>	<p><b><u>Electron Acceptor: EO<sub>x</sub></u></b></p> <p>Calcium Peroxide (% by wt.)</p> <p>Available oxygen (%)</p> <p>Bulk Density</p> <p>pH (Standard Units)</p> <p>Electron acceptor equivalents per lb.</p> <p>Appearance</p> <p>Particle size distribution</p>	<p><b><u>Typical</u></b></p> <p>75</p> <p>17</p> <p>~550 g/L</p> <p>12</p> <p>9.5 O<sub>2</sub><sup>-</sup> eq./lbs</p> <p>white or yellowish powder</p> <p>&lt;74 micron</p> <p>(99% passes 200 mesh)</p>
<b>Packaging</b>	Shipped in 10- or 30-gallon drums as Hazard Class 5.1 (oxidizer) under International Packing Group II.	
<b>Handling</b>	EO <sub>x</sub> slurry should be mixed at about the time it is expected to be used. It is best not to hold it for longer than 30 minutes. After mixing with water EO <sub>x</sub> slurries will gel upon standing for extended periods of time. This can generally be avoided by recirculating the slurry through the pump and hose back into the mixing tank.	
<b>Storage</b>	EO <sub>x</sub> should be stored inside away from combustibles and protected from moisture. Once opened, do not return removed material to the original container.	