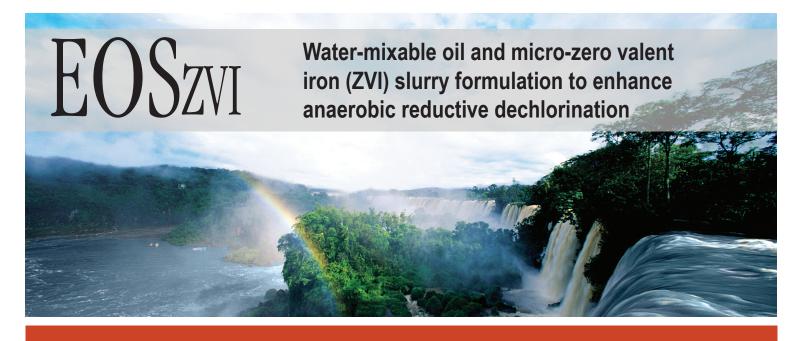
EOSzvi	Technical Information Iron Based Chemical Reduction Family	
Description	EOSzvi is a patent-pending water-mixable vegetable oil based organic substrate with the highest concentration of micron-scale zero valent iron (ZVI) available. This unique product combines the proven reactivity of ZVI with a long lasting source of electron donor for enhanced <i>in situ</i> anaerobic, abiotic, and biotic remediation. EOSzvi is shipped as a waterless concentrate; simply add water in the field to instantly create an injection-ready solution.	
	<ul> <li>EOSzvi benefits:</li> <li>Ideal for DNAPL sites</li> <li>Quickly reduces ORP of aquifers</li> <li>Highest ratio of ZVI to carbon on the market; approximately</li> <li>Employs the proven EOS<sup>®</sup> technology</li> <li>Larger droplet size for greater oil retention</li> <li>Excellent for barrier and fractured rock applications</li> <li>Can be used with other EOS<sup>®</sup> products</li> <li>Engineered iron particle size average 3-4µm</li> </ul>	y 1:1
	Domestic supply made in the USA with US farmed soybeans.	
Chemical & Physical Properties	<u>Oil Concentrate:</u> EOS <sub>ZVI</sub> Micron-scale Engineered Iron (ZVI) (% by wt.) Stabilizer (% by wt.) Refined and Bleached US Soybean Oil (% by wt.) Slow Release Organics (% by wt.) Specific Gravity Viscosity (cP) Organic Carbon (% by wt.)	<u>Typical</u> 50 2 41 7 ~1.6 2,350 48
Packaging	Shipped in 5-gallon pails (net 50 lbs. each), 55-gallon drums or 275-gallon IBC totes.	
Handling & Storage	EOSzvi is shipped as concentrated oil and iron slurry that is diluted with water in the field to prepare a solution for easy injection. EOSzvi can be distributed with commonly available pumps. Dilution ratios for EOSzvi typically range from 1:1 to 5:1 (water: EOSzvi) depending on site conditions. EOSzvi injections should be followed with additional chase water to maximize distribution of EOSzvi into the formation. EOSzvi as shipped, has a shelf-life of $\geq$ 2 years depending on storage conditions.	

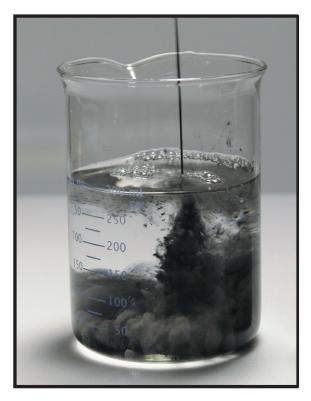


Water-mixable vegetable oil based substrate containing 50% micronscale engineered iron, soy bean oil, surfactant and stabilizer, providing a long-lasting source for anerobic remediation of DNAPL

## **Product Advantages**

- Waterless concentrate, easy to use formulation
- Effective on DNAPL
- Abiotic and biotic pathways
   for recalcitrant contaminants
- Highest iron to carbon ratio on the market; greater than 1:1





Experience you can rely on, Products you can trust™