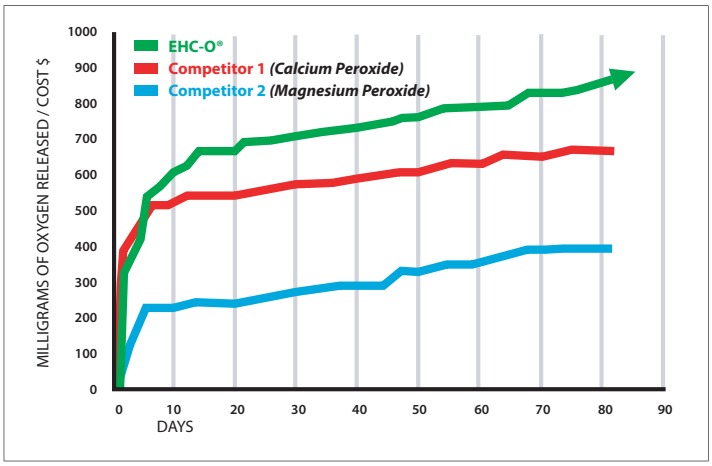
## Comparative Rates of Oxygen Delivery and Costs




### EHC-O™ O-Sox™ FAQs

1. **What are the main differences between O-Sox and comparable market alternatives?** EHC-O O-Sox contain a well-buffered source of controlled release oxygen plus inorganic nutrients (mainly nitrogen) that can accelerate the biodegradation of various organic compounds and enhance certain natural attenuation processes. In addition, the O-Sox technology is a superbly well designed stainless steel canister and sleeve system which greatly simplifies installation, removal and replacement.
2. **Do I need microbial inoculants?** In most cases, the naturally occurring (indigenous) microorganisms are well adapted to the organic constituents of interest and inoculants are not required.
3. **What contaminants are amenable to O-Sox treatment?** The rate and extent of removal of all organic compounds that are biodegraded under aerobic conditions are usually enhanced via the addition of oxygen and inorganic nutrients. Petroleum-based aromatic (e.g., benzene, toluene, xylene, phenol) and aliphatic hydrocarbon mixtures (e.g., gasoline, heating oil, Diesel fuel, jet fuel, kerosene) are primarily targets; lightly chlorinated ethenes (vinyl chloride), MTBE, dioxane, pentachlorophenol, and many other compounds are also potentially amenable to O-Sox treatment.
4. **How much do they cost?** O-Sox cost about 25% less than market alternatives.
5. **Why should I use the O-Sox technology?** It's a better product. And the superior design and ease of application will immediately translate into greatly reduced field time and frustration = reduced project cost.
6. **Is it easy to switch over to the O-Sox technology?** Yes. EHC-O has been accepted by many state regulatory authorities and it has been employed throughout the USA and Europe.
7. **How long do they last?** O-Sox are typically replaced every 3 to 6 months. Various site-specific factors will influence the effective lifetime of the O-Sox cartridge; mainly i) constituent type and concentration, and ii) hydrogeological features (groundwater flow rate, Eh, pH, temperature).
8. **Do I need to install new wells?** No. The O-Sox technology is designed to fit into standard 2-inch and 4-inch diameter groundwater monitoring wells. The canisters have a nominal outside diameter of 1.75 inches for the 2-inch size and 3.5-inches for the 4-inch size.
9. **What is the oxygen delivery rate?** The rated delivery is at least 15 lb of oxygen per 100 lb of EHC-O, after 200 days.

### ORDERING INFORMATION

| | | |
|---|---|---|
| TR-410 | 2-in x 3-ft O-SOX (pail with 5 socks*) | 31 lb |
| TR-411 | 2-in Canister# | 1 lb |
| TR-412 | 4-in x 3-ft O-SOX (pail with 3 socks*) | 31 lb |
| TR-413 | 4-in Canister# | 2 lb |
| **Accessories:** | | |
| TR-416 | Nylon-covered stainless-steel suspension cable with swaged cable loop at one end (sold per ft) | |
| TR-414 | 2-in Well Cap with Cable Restraint | 0.6 lb |
| TR-415 | 4-in Well Cap, Cable Restraint | 1.2 lb |
| 602528 | Pail Opener | 0.5 lb |

(*) Only sold in pail quantities.
(#)*One-time cost: canisters can be re-used for subsequent applications.*

*Notes:*

- *Because O-SOX contains an oxidizing substance, it may be shipped only by motor freight.*
- *O-SOX is non-returnable and non-refundable.*

### SPECIFICATIONS

Material:

| | |
|---|---|
| Active compound | **EHC-O**™ calcium-peroxide based compound. Contains inorganic nutrients and a buffering agent . |
| Rated delivery | At least 15 lb of oxygen delivered per 100 lb of EHC-O product after 200 days. |
| Sock | non-woven polyethylene fabric, needle punched. |
| Canister | Stainless steel, type 304, perforated. |

**Dimensions, Weight and Volume**

**Size** for O-SOX sock (dry) and canister

| | Sock | Canister |
|---|---|---|
| 2 in | 1.5 in x 36 in approx. | 1.75 in x 36 in approx. |
| 4 in | 3.0 in x 36 in approx. | 3.5 in x 36 in approx. |
| Canister length* | 2 in: 3 ft 4 in | 4 in: 3 ft 4 in |

*with suspension looploop and link extended

**Total Ship. Volume**

| | |
|---|---|
| Pail | 2 $ft^3$ Note: pail only is 12-in dia. x 16-in H |
| 2-in canister | 0.34 $ft^3$ (4 x 4 x 37 in) |
| 4-in canister | 0.77 $ft^3$ (6 x 6 x 37 in) |

**Weights**

EHC-O (only) content per dry sock:

| | |
|---|---|
| 2-in socks | 1.74 lb approximately |
| 4-in socks | 7.24 lb approximately |

Total Ship. Wt (dry)

| | |
|---|---|
| Pail w/ five 2-in socks | 33 lb |
| Pail w/ three 4-in socks | 33 lb |
| 2-in canister (empty) | 2 lb |
| 4-in canister (empty) | 3 lb |