



Canada Colors and Chemicals Limited

Canada Colors and Chemicals is committed to the safety of our natural environment. We are pleased to present our line of remediation products for the clean-up of a wide variety of contaminated sites. Our in-house experts can help you select the product which best suits your site-specific needs.

Bioremediation

Oxygen Release Compound: A calcium oxyhydroxide that releases oxygen in the subsurface over an average period of 12 months. The oxygen stimulates aerobic bioremediation of contaminants such as petroleum hydrocarbons, BTEX compounds, and PAHs. ORC can be injected as slurry, backfilled into an excavation, or installed into wells in socks.

Hydrogen Release Compound: An injectable substrate that provides a slow-release electron donor source in the subsurface that is broken down to release hydrogen for use in anaerobic dechlorination of chlorinated solvents such as PCE, TCE, DCE, and TCA.

Metals Remediation Compound: A slow-release sulfur-based chemical reductant that stimulates the precipitation of soluble metals as stable insoluble sulfides, MRC is effective at removing metals such as Cr, As, and Cu from groundwater.

Chemical Oxidation

RemOx ISCO: Available in either solid (potassium) or liquid (sodium) forms, Remox is remediation-grade permanganate that can be used in the *in-situ* chemical oxidation of chlorinated solvents such as PCE and TCE.

Fenton's Reagent: A solution of hydrogen peroxide and an iron catalyst, Fenton's Reagent can be used to treat a wide range of organic contaminants in soil and groundwater, including chlorinated solvents, petroleum hydrocarbons, semivolatile organic compounds (SVOCs), and pesticides (*hydrogen peroxide and ferrous sulfate are sold separately*).

RegenOx: A sodium percarbonate and catalyst that can effectively oxidize a wide variety of contaminants including chlorinated solvents and petroleum hydrocarbons. RegenOx does not generate excessive heat or gas making it very easy to work with in the field. RegenOx is also designed for a smooth transition into bioremediation technologies.

Canada Colors also offers VTX, a neutral pH catalyst for Fenton's reactions.

Surfactants

Ivey-Sol: A series of non-ionic surfactant that can be used to solubilise a wide range of contaminants to enhance recovery of pump and treat systems and increase the biological and chemical availability of contaminants for subsequent bioremediation or chemical oxidation. Ivey-Sol can be used in conjunction with all the products listed above.

Miscellaneous

Canada Colors also offers Activated Carbon, Sodium Bisulphite, Sodium Thiosulfate, Mycelx, Remox-EC (for stabilization), custom nutrient blends, and various caustics and acids.

ORC, HRC, MRC, and RegenOx are available from Regenesis, RemOx products are available from Carus Chemicals, while Fenton's Reagent is available from Kemira, Archema, or FMC depending on the purchasing region. Case studies are available upon request.