

H2O Restore



Product Overview H2O Restore is the latest innovative technology for the treatment of fracking, coal seam gas, and mining wastewater. H2O Restore was scientifically formulated to lower sodium and metal levels/toxicity; reduce Electrical Conductivity and Total Suspended Solids, and remediate residual hydrocarbons. H2O Restore is an “on-site” treatment tool that enhances wastewater recycling by creating increased volumes for re-use while reducing the contaminants in the remaining water for lower disposal costs.

H2O Restore is a unique formula containing our patent pending Polyelectrolyte Enhanced Biopolymer (PEB). PEB found in H2O Restore is an ultra-pure balance of beneficial carbon groups that acts as a natural buffering agent creating a stable treatment environment. PEB also acts as a sequestering agent, binding metal ions into an insoluble stable complex that becomes a non toxic organic metal complex and mineral. As a chelating agent, H2O Restore detoxifies poisonous metal agents by converting them to a less toxic biochemically inert form while providing an unprecedented capacity to capture and absorb a wide array of contaminants found in gas exploration and mining wastewater. In addition to the PEB, H2O Restore contains hydrocarbon-oxidizing bacteria and a broad spectrum amino acid complex that speeds up the natural degradation process by efficiently catalyzing complex organic hydrocarbon molecules found in wastewater.

H2O Restore is designed to quickly reduce sodium levels and toxicity, improve water clarity, reduce electrical conductivity, and total suspended solids. H2O Restore helps minimize scale formation due to reduced metal/mineral salts and is a water treatment tool that requires limited equipment. Therefore H2O Restore shows a significant competitive advantage over alternative products for the treatment of related industrial wastewater.

Application Information H2O Restore is a highly concentrated liquid and must be diluted with water prior to applications. H2O Restore can be sprayed after dilution using standard spray application equipment including but not limited to mechanical sprayers, water trucks, fixed spray equipment, and wastewater injection. For optimal performance, product is to be applied evenly across the entire water surface, and/or supplied under continuous injection through the transfer lines.

H2O Restore is designed for the treatment of the wastewater generated through fracking operations, coal seam gas exploration and mining that contains various levels of sodium, trace metals, hydrocarbons, and all by-products of the exploration efforts. The treatment of these waters can be completed by injection at the point of generation and/or at the holding tanks or ponds. Effective treatment can be successfully completed using multiple methods within the current disposal structure already in use with limited need for additional equipment or staff.

Application Rates Dilute using 1 part concentrate to 10 parts clean water prior to use (Non-Potable water may be used though it may require pre-treatment). Product can be diluted up to 100 parts water as directed for specific applications. Application rates/frequency is determined by level of contamination, area of application, and disposal requirements. Specific application rates are determined prior to sale by the manufacturer and/or distributor. Water between 42° and 120° F (6° and 50° C) gives you optimum performance.

General Lagoon/Pond/Dam Applications: General application rate per treatment for ponds/lagoons/dams is 350PPM diluted product per treat-

ment based on the system requirements and goals to be achieved. Normal treatment programs will require a minimum of two applications applied a minimum of 24 hours apart. Multiple treatments may be required due to contaminant loading and/or final water quality that are being achieved.

Technical Information H2O Restore is a unique formula containing our patent pending Polyelectrolyte Enhanced Biopolymer (PEB), hydrocarbon-oxidizing bacteria, and a readily biodegradable natural amino acid complex creating a triple action “catalyst and support system” that enhances the natural wastewater treatment process. It is specially formulated to be safe and environmentally enhancing while being effective.

Storage: Do not store product in direct sunlight. Insure that the product remains under 120°F (50°C) and will not freeze.

Shelf Life: Properly stored unopened containers have a shelf life of 2 years, 1 year after opening. Product should be applied within 48 hours after dilution and stored in a vented tank and/or container. Should the product freeze in storage, do not apply heat to thaw, remove product to room temperature conditions and let thaw normally.

For more information Contact:

