CoBupH Mg

Long-lasting pH control and adjustment of aquifers for enhanced bioremediation and metals immobilization

A safe, easy-to-use, long-lasting, colloidal buffer that can be mixed with any EOS® emulsified oil product or used alone

Product Advantages

- Long-term pH adjustment
- Minimized risk of overshooting pH
- Can be combined with EOS® electron donors
- Ships in small containers
- Easily diluted with water in the field

EOS
EOS Remediation

Experience you can rely on, Products you can trust™

Description

CoBupHMg is a premium colloidal suspension of alkaline solids providing long-term, slow release adjustment of pH in acidic aquifers to optimum levels for biodegradation and immobilization of some dissolved metals. CoBupHMg's patented formulation provides:

- Equilibrium pH of ~10 in a 10:1 dilution (DI water:CoBupHMg), minimizing the risk of overshooting the pH by buffer addition
- Micron scale, negatively charged particles promote distribution from the injection point
- Can be used in combination with our emulsified oil products.

Chemical & Physical Properties

Alkaline Colloidal Suspension Concentrate: CoBupHMg	Typical
Alkaline Buffer (% by wt.)	45
Dispersant (% by wt.)	1
Stabilizer (% by wt.)	0.5
Specific Gravity	1.37
pH (Standard Units) - 10:1 dilution (DI water: CoBupHMg)	~10
Mean Particle Size (µm)	0.6
OH- equivalence (eq. OH- per lb. CoBupHMg)	7±0.5

Packaging

Shipped in 5-gallon pails (50 lbs.)

Handling & Storage

CoBupHMg is shipped as a ready-to-use concentrated suspension of alkaline solids that can be easily diluted with water in the field. CoBupHMg has a low viscosity and is amenable to pumping with commonly available pumps. Before dilution, agitate to ensure product is adequately mixed. Dilution ratios typically range from 1:1 to 4:1 (water: CoBupHMg) depending on site conditions; CoBupHMg injections should be followed with additional chase water to maximize distribution.

For best performance, use CoBupHMg within 60 days of delivery and store at a temperature of 40°F (4°C) to 100°F (38°C).