



- Home
- Our Company
 - Company Overview
 - Leadership
 - Intellectual Property
 - Employment
- Our Products
 - Find the Right Solution
 - Family of Products
 - BioPreferred Program
- Resources
 - Site Evaluation Forms
 - Library
 - Quick Links
 - Webinar Series
 - Education
 - What is Bioremediation?
 - Why Bioremediation?
 - Process Monitoring
 - EAST™ F.A.Q.
 - EOS® F.A.Q.
- Contact
- Log In



CLEANING AND

PROTECTING THE EARTH

CoBupHMg PRODUCT INFORMATION

Printer Friendly Version

CoBupH_{Mg}

Colloidal BupHers Family

Description

CoBupH_{Mg} is a premium colloidal suspension of alkaline solids providing a long-term, slow release adjustment of the pH for acidic aquifers to optimal levels for biodegradation. **CoBupH_{Mg}**'s patent-pending formulation consists of:

- A slow-release alkaline buffer that provides nearly 4 times the buffering capacity of CaCO₃;
- An equilibrium pH of 9-10, eliminating the risk of overshooting the pH by buffer addition;

- A negative particle surface charge to promote further distribution from the injection point.

CoBupH_{Mg} formulation has negative surface charge designed to enhance distribution from the injection location.

Chemical and Physical Properties

Oil Emulsion Concentrate: CoBupH _{Mg}	Typical
Alkaline Buffer (% by wt.)	45
Dispersant (% by wt.)	1
Stabilizer (% by wt.)	0.5
Bulk Density (g/ml)	1.62
pH (Standard Units)	9 – 10
Mean Partide Size (diameter μm)	0.6
OH ⁻ equivalence (eq. OH ⁻ per lb. CoBupH _{Mg})	7.04

Packaging

Shipped in 5-gallon pails, 55-gallon drums or 275-gallon IBC totes.

Handling & Storage

CoBupH_{Mg} is shipped as a ready-to-use concentrated suspension of alkaline solids that can be easily diluted with water in the field. Before use apply generous agitation to ensure product is evenly mixed. **CoBupH_{Mg}** has a low viscosity and is amenable to pumping with commonly available pumps. Dilution ratios for **CoBupH_{Mg}** commonly range from 1:1 to 4:1 (water: **CoBupH_{Mg}**) depending on site conditions. **CoBupH_{Mg}** injections should be followed with additional chase water to maximize distribution.

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

Rev. 12.19.2012

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- Home
- Contact
- Log In
- Family of Products
- Find the Right Solution
- Log In
- Site Evaluation Forms
- Quick Links
- Log In
- Events
- News
- Log In

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