

CoBupHMg	PRODUCT INFORMATION SHEET Colloidal BupHers Family																
Description	<p>CoBupHMg is a premium colloidal suspension of alkaline solids providing long-term, slow release adjustment of pH in acidic aquifers to optimize levels for biodegradation and immobilization of some dissolved metals.</p> <p>CoBupHMg's patented formulation provides:</p> <ul style="list-style-type: none"> • 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	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Alkaline Colloidal Suspension Concentrate: CoBupHMg</u></th> <th style="text-align: right;"><u>Typical</u></th> </tr> </thead> <tbody> <tr> <td>Alkaline Buffer (% by wt.)</td> <td style="text-align: right;">45</td> </tr> <tr> <td>Dispersant (% by wt.)</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Stabilizer (% by wt.)</td> <td style="text-align: right;">0.5</td> </tr> <tr> <td>Specific Gravity</td> <td style="text-align: right;">1.37</td> </tr> <tr> <td>pH (Standard Units) - 10 : 1 dilution (DI water : CoBupHMg)</td> <td style="text-align: right;">~10</td> </tr> <tr> <td>Mean Particle Size (µm)</td> <td style="text-align: right;">0.6</td> </tr> <tr> <td>OH⁻ equivalence (eq. OH⁻ per lb. CoBupHMg)</td> <td style="text-align: right;">7±0.5</td> </tr> </tbody> </table>	<u>Alkaline Colloidal Suspension Concentrate: CoBupHMg</u>	<u>Typical</u>	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
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Packaging	Shipped in 5-gallon pails (50lbs.)																
Handling	<ul style="list-style-type: none"> • 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. 																
Storage	For best performance, use CoBupHMg within 60 days of delivery and store at a temperature of 4°C ~ 38°C.																