

TECHNICAL DATA

CAUSTICIZED HUMALITE																	
Typical Applications:	Drilling																
DESCRIPTION	BLACK EARTH is the name that represents a number of Black Earth Humic LP products made from Humalite. It is a naturally occurring raw material found adjacent to the sub-bituminous coal fields of Alberta, Canada. Humalite is a soft, brown coal-like material, which has many similarities to leonardite but is very rich in humified organic matter and low in ash, and other impurities. This ore contains some of the highest quality humic material that is found in the world today.																
CHARACTERISTICS	BLACK EARTH Causticized Humalite is developed by treating humalite with caustic material to enhance its solubility in water.																
PHYSICAL ANALYSIS	<table> <thead> <tr> <th></th> <th>Typical</th> </tr> </thead> <tbody> <tr> <td>Humic Acid</td> <td>>80%</td> </tr> <tr> <td>Ash</td> <td>< 20%</td> </tr> <tr> <td>Moisture</td> <td>28 – 30 %</td> </tr> <tr> <td>pH</td> <td>9.6</td> </tr> <tr> <td>Appearance</td> <td>Brownish – Black powder</td> </tr> <tr> <td>Bulk Density</td> <td>92.7 lbs./ft³ (1,500 kg/m³)</td> </tr> <tr> <td>Solubility</td> <td>Soluble in water</td> </tr> </tbody> </table>		Typical	Humic Acid	>80%	Ash	< 20%	Moisture	28 – 30 %	pH	9.6	Appearance	Brownish – Black powder	Bulk Density	92.7 lbs./ft ³ (1,500 kg/m ³)	Solubility	Soluble in water
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The information and data contained herein are believed to be accurate and reliable. Black Earth Humic LP makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

CAUSTICIZED HUMALITE	
Typical Applications:	Drilling
APPLICATION:	<p>BLACK EARTH Causticized Humalite is used in water-based muds as a thinner (dispersant), and a secondary filtration control agent. Humalite is a much more stable thinner and filtration control additive at high temperatures than are the lignosulfonates. Concentrations vary from 3.0 - 30.0 kg/m³ depending upon the solids content of the system.</p> <p>Mix directly through the mud hopper. It is advisable to use a dust mask and eye protection while mixing all powdered products.</p>
PACKAGED IN	<p>50 lb. Bags (up to 50 bags per pallet) 2000 lb. Totes</p>

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