SOUTHERN CLAY PRODUCTS / A SUBSIDIARY OF ROCKWOOD SPECIALTIES, INC.

PRODUCT BULLETIN/Bentolite®

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Bentolite MS®

Bentolite MS is an air purified white magnesium smectite clay refined from carefully selected, high brightness, natural occurring deposits. Bentolite MS is ideal for suspension, stability, viscosity and rheology control in formulations. High gel strength and yield point will improve gel formation, uniform viscosity and reduce syneresis.

Applications

Household Cleaners	General Purpose Thickener

Typical Physical Properties

Form ……..	Fine white powder
Odor ……..	None
Brightness (GEB) …….	80 minimum
Moisture Content …….	10.0 % maximum
pH ……	9.8 (2 % solids in deionized water)
Viscosity (5% solids) …..	4000 cps
Swelling, …….	52 mls (2 g in deionized water)
Arsenic ……..	0.49 ppm
Lead ……..	1.36 ppm

Typical Chemical Properties

SiO_2 ……	44.0 %
Al_2O_3 ……	10.6 %
MgO ……..	24.3 %
Fe_2O_3 ……	0.1 %
CaO ……...	2.0 %
Na_2O ……	3.3 %
K_2O ……...	0.1 %
TiO_2 ……..	0.1 %
Loss on Ignition ……	9.0 %