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## PRODUCT BULLETIN SEPIOGEL A

### DESCRIPTION

SEPIOGEL A is a flash-dried suspension clay produced from the mineral sepiolite by IMV Nevada, at plants located in the Amargosa Valley, twelve miles south of Hwy 95 and three miles west of Hwy 373. Its colloidal properties make it a highly effective gelling and suspending agent in a wide range of fertilizer and animal feed formulations.

TYPICAL CHEMICAL PROPERTIES	%
Silicon (SiO <sub>2</sub> ) .....	56.0
Aluminum (Al <sub>2</sub> O <sub>3</sub> ) .....	4.0
Iron (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Magnesium (MgO) .....	20.0
Calcium (CaO) .....	0.5
Sodium (Na <sub>2</sub> O) .....	1.4
Potassium (K <sub>2</sub> O) .....	1.4

Metals listed are complexed in the mineral structure and do not exist as free oxides.

### TYPICAL PHYSICAL PROPERTIES

Plus 200 Mesh - Grind.....	8.0%
Moisture .....	16.0% max
Color .....	Gray
pH .....	9.0
Specific Gravity .....	2.4
Base Exchange Capacity - meq/100 g .....	30
Packed Bulk Density - lb/ft <sup>3</sup> .....	45
Free Fall Bulk Density - lb/ft <sup>3</sup> .....	35

### PREDISPERSION

When SEPIOGEL A is used in suspension fertilizers, either predispersion or pregel techniques are recommended to get maximum efficiency from the gelling clay. The recommended procedure of a predispersion of SEPIOGEL A involves dissolving 4 pounds of tetrasodium pyrophosphate (TSPP) in 700 pounds of water. While subjecting this solution to agitation and the high shear of recirculation through a pump, slowly add 200 pounds of clay. After all the clay is added to the slurry, shear for about 5 minutes and the slurry is ready for use, or storage for up to a week. A typical formulation is given in the preferred order of addition.

### PACKAGING

Available in 50 lb. (3-ply natural bags), bulk bags, & bulk trucks.  
Shipped on 42x42 non-returnable pallets.

Note: The suggestions contained in this Product Bulletin are based on data which are believed to be reliable. They are offered in good faith, to be applied according to the user's own best judgement. Since operating conditions in the processor's plant are beyond our control, IMV Nevada cannot assume responsibility for any risks or liabilities which may result from the use of its products. Likewise, no patent liability is assumed to any method, manner of use, or any formulas utilized by a consumer.

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