

# **ECOLOGY CONTROLS**

## **M-BINDER**

### **MULCH TACKIFIER - SOIL STABILIZER**

**Ecology Controls certifies M-Binder has the following properties -**

#### **WHAT IS ECOLOGY CONTROLS M-BINDER? (PSYLLIUM)**

Ecology controls M-Binder is composed of the finely ground outer coating of the Plantago seed. Nature has designed this protective coating to perpetuate this particular species. The plant produces a seed head which eventually drops to the ground. Moisture dampens the muciloid outer coating enough to fasten or stick the seed to the ground until germination starts. Ecology Controls has selected this particular material for use as a tackifier in hydroseeding after many years of research. Ecology Controls M-Binder utilizes the natural property of the muciloid coating for the exact purpose nature intended: to bind seed and soil together until germination and growth begin.

#### **COMPLIES WITH:**

Nonflammable  
Nontoxic to aquatic organisms  
Free from growth or germination inhibiting factors  
Plant based product  
Naturally high molecular weight polysaccharide  
High viscosity hydrocolloid that is deliverable via water/slurry  
Functional for at least 180 days when applied as specified  
Can be applied wet with no curing time and becomes a re-wettable membrane

#### **USAGE:**

Ecology Controls M-Binder may be applied as a dry powder or as a wet slurry to dry or wet surfaces. It does not require set-up or drying time because when wet it is a heavy muciloid material and when dry it is a firm but rewettable membrane. It may even be applied during rain. Ecology Controls M-Binder, whether used alone as a dust control product, or in combination with straw, fibers, seed and fertilizers in hydroseeding keeps materials where you want them.

#### **PROVEN RESULTS:**

In a test of seven stabilizers by University of California at Davis (Agronomy progress report #49, Ag Experiment Station) Ecology Controls M-Binder proved to be superior in seed retention and promoting germination. At specified application rates field longevity of 180 days is expected.

#### **GENERAL APPLICATION RATES:\***

M-Binder: ..... 150 -200 lbs. per acre dependant on local conditions  
Water: .....as required for slurry flow  
Wood, Straw or Cellulose Fiber: ....1,500-2,000 lbs. per acre  
Seed: .....as specified

\*Rates vary depending on job site-consult your Ecology Controls supplier for your specific needs.

#### **SHIPPING INFORMATION:**

Packed in 50 lb. polywoven-lined paper bags with loading instructions on the bag. All palletized shipments shrink wrapped and banded (2000 lbs./pallet).

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