

# DRYING AGENT

# Celatom®

## MP-78

### Drying Agent and Carrier for use with Dry Agriculture Blends

**C**elatom® MP-78 from EP Minerals® is a high-performance drying agent and carrier to use along with any liquid ingredient, to prevent clumping and keep your dry fertilizer or pesticide blends free-flowing.

**USE LESS AND SAVE MONEY.** Made from high-purity diatomaceous earth, one of nature's lightest and most absorbent natural minerals, **MP-78 has TRIPLE** the moisture absorbing capacity and 30% lower density compared to many

other drying agents, giving it outstanding performance and excellent value. Diatomaceous earth is also a very effective soil amendment, remaining in the soil to provide permanent improvement to soil aeration and water holding capacity, especially for clay or sandy soil.

Your workers will also appreciate our light-weight bags, which weigh only 25 pounds instead of 40 or 50 pounds for similar-sized bags of competing products.

## How to use MP-78

Under most conditions, simply add **1 pound of Celatom MP-78 (about 5 cups or 1 liter by volume)** for every pint of liquid added to the dry blend. This should be adequate for most

moisture levels and humidity conditions, but the exact dosage can be increased or decreased according to your experience and current humidity conditions.

## Blending Process

**Celatom MP-78** can be added to the dry blend at any stage of the mixing process, either before or after adding liquid ingredients. However, for the best mixing and flow control performance, we recommend adding it along with the dry components, before adding the liquid ingredients.

Even when using blends without liquid additives, MP-78 can be added to provide excellent moisture absorption, ensuring free flow and problem-free application in the field even on very humid days. It's good low-cost performance insurance for your customers.

**CARRIER USES - MP-78** can also be used specifically as a carrier for liquid ingredients. It can absorb 50% to 100% of its weight, allowing liquid ingredients to be used in dry granular formulations, with stable carrying capacity and smooth, complete release of liquid ingredients into the soil.

For more information about using Celatom MP-78 and our other diatomaceous earth products as drying agents and carriers, please visit [www.epminerals.com](http://www.epminerals.com), or call us Toll Free at (800) 366.7607 and ask for our customer service department.

Sieve Analysis		Density		Physical Properties	
+12 Mesh	2.0%	Dry Bulk (lbs/ft³)	27	Hardness (psi)	170
-12 +65 Mesh	94.0%	Dry Bulk (g/l)	430	Surface Area (BET)	15 - 19 m²/g
-65 Mesh	4.0%				
Oil Absorption		Typical Chemical Analysis			
% by weight	120	SiO <sub>2</sub>	86.5%	CaO	0.5%
Water Absorption		Al <sub>2</sub> O <sub>3</sub>	7.1%	MgO	0.3%
% by weight	130	Fe <sub>2</sub> O <sub>3</sub>	2.7%	Other Oxides	2.4%