

# Dynamate®

## Feed-Grade Potassium and Magnesium Sulfate

Dynamate is a feed-grade mineral consisting of the sulfate form of potassium and magnesium. It is a source of highly available sulfur (S), potassium (K) and magnesium (Mg) that will help meet animal and poultry requirements for these essential nutrients.

### Benefits:

- Dynamate is a rich source of sulfur, potassium and magnesium, dietary essentials for animals and poultry
- Dynamate is slowly soluble, thereby supplying sulfur, potassium and magnesium at a controlled rate for optimum use by rumen microbes.
- Dynamate's sulfur is utilized by rumen bacteria to produce essential amino acids. High energy rations containing non-protein nitrogen sources are inadequate in sulfur from natural sources.
- Dynamate's potassium is essential for maximum activity of the rumen microbial population and for optimum metabolism of every cell in the body.
- Dynamate's sulfate may spare excess methionine in poultry rations, reducing costs without impairing feed performance.
- Dynamate's magnesium is essential to meet an animal's requirement for growth, production and reproduction. Modern high-energy rations do not contain the levels of magnesium that are present in feeds containing considerable amount of forages.
- Dynamate's potassium will promote optimum feed intake and performance when added to rations which are borderline or deficient in this essential element.

### Feed Label Information:

When adding Dynamate to feeds, "potassium sulfate" and "magnesium sulfate" should appear on the feed label. Both ingredients are listed as "Generally Recognized as Safe" (GRAS) by the Food and Drug Administration.

### Specifications

GUARANTEED ANALYSIS	%
Potassium (K), min	18
Magnesium (Mg), min	11
Sulfur (S), min	22

TYPICAL CHEMICAL ANALYSIS	%
Potassium (K)	18.3
Magnesium (Mg)	11.3
Sulfur (S)	22.4

### PHYSICAL CHARACTERISTICS

Bulk Density (Loose)	89 lb/ft <sup>3</sup> (1426 kg/m <sup>3</sup> )
Angle of Repose	34°

TYPICAL SIEVE ANALYSIS (TYLER)	%
Passing 35 Mesh	52
Passing 65 Mesh	22
Passing 100 Mesh	12

Please refer to the Safety Data Sheet (SDS #: MOS100080) for additional information ([www.mosaicco.com](http://www.mosaicco.com))

The information contained in this data sheet is a representation of the average properties of product analyses as tested on composite samples and typical analyses should not be considered a guaranteed specification. Individual shipment and grab sample analyses may fall outside of the above typical values. Additional handling, transportation, or improper/extended storage may affect product analyses. Mosaic disclaims any responsibility or liability for any loss or damage that may occur from any reliance on, or other use of, the above information with respect to the product.



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