

**Product Description**

Micronised Mineral Solutions (MMS) Gyp Flour is a high quality Gypsum product ground to mean average particle size of 20 microns. It is specially formulated to rapidly release excess magnesium in moderate to heavy clay soils to improve its porosity. It creates an open structure and reduces compaction issues with a higher Ca:Mg ratio essential for high production cropping. It is a preferred Calcium source for high pH soils, as well as reducing excess sodium (salts) levels in soils.

**What is gypsum?**

Calcium sulfate dihydrate ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) is a naturally occurring soft sulfate mineral, often found in considerable thicknesses within evaporite sequences and in association with limestones and shales.

**Applications**

Gypsum is commonly mined and used as a fertilizer and soil conditioner, and can coagulate clay particles suspended in water to act as a flocculant.

**Water treatment:**

Gypsum is used as a cost effective flocculant in water resources where accelerated settling of suspended sediment is required. Water can be treated with Gypsum for safe release into nearby natural water sources at safe dilution ratios.

**Agricultural sector:**

Gypsum improves nitrogen soil and plant uptake efficiencies resulting in lower application rates for the same crop requirements, thereby reducing production costs. Gypsum is also an essential source of Sulphur, for higher protein levels in pastures as well as higher plant / soil vitality. Gypsum may be applied at rates >500 kg / ha to induce a fruiting / seed production response.

**Note: Multiple applications of lower rates are recommended for more effective soil conditioning.**

**Packaging options:**

- 500 kgs Bulker Bags
- 1000 kgs Bulker Bags
- 1200 kgs Bulker Bags
- Road Tankers
- ISO Containers

**Safety Information**

Personnel should wear protective clothing, wear dust-proof goggles, PVC or rubber gloves and Class P1 (Particulate) respirator. When using large quantities or where heavy contamination is likely, wear coveralls. For full information, refer to the Safety Data Sheet for MMS Gyp Flour.

PROPERTIES	TYPICAL
Purity	> 95%
Free moisture content	2.09%
PROPERTIES	TYPICAL
Total Calcium as Ca (w/v%)	18 - 24%
Total Sulphur as S (w/v%)	12 -18%
Solubility	2.27%
Kg / Ha coverage	20 - 100
Mean Avg particle size	20µm

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PHYSICAL PROPERTIES	
Grain size <100µm	>95% passing
Surface Area kg	900 -1000m <sup>2</sup>
Bulk Density	1000 - 1100kg/m <sup>3</sup>

**Disclaimer**

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