

Magnesium Nitrate Horticultural Grade

29th of August 2013

SHEET 1 / 1

Section 1 / Description:

Brand name	Van Iperen Magnesium Nitrate Horticultural Grade
Chemical name	Magnesium Nitrate Hexahydrate
Chemical formula	$\text{Mg}(\text{NO}_3)_2 \times 6\text{H}_2\text{O}$
Appearance	White/slightly yellowish pellets

Section 2 / Chemical composition:

Total Nitrogen (N)	> 10.5%
Nitric Nitrogen (N-NO ₃)	> 10.5%
Magnesium Oxide (MgO)	> 15.6%
Magnesium (Mg)	> 9.5%

Section 3 / Physical properties:

Density	0.7 - 0.8 g/cm ³
pH	6.5 +/- 1.0 (in 1.0% water solution)
Water insoluble	< 0.01%
Solubility in water	2.25 kg/L at 20°C