Magnesia-Kainit®

PFC 1(C)(I)(a)(i)
MINERAL FERTILISER K_2O (MgO, Na_2O, SO_3) 9 (4+36+8)

Declared nutrient contents by mass

- 9 % K_2O water soluble potassium oxide (= 7.5 % K)
- 4 % MgO water soluble magnesium oxide (= 2.4 % Mg)
- 36 % Na_2O water soluble sodium oxide (= 26.7 % Na)
- 8 % SO_3 water soluble sulphur trioxide (= 3.2 % S)

Chemical Analysis	w	typical
Potassium chloride (KCl)	[%]	13
Sodium chloride (NaCl)	[%]	69
Magnesium Sulphate ($MgSO_4$)	[%]	10
$MgCl_2$, K_2SO_4, $CaSO_4$	[%]	4
Others, mainly water of crystallization	[%]	4

Granulometry	w	typical	min.	max.
1.6 - 5.0 mm	[%]	80	75	85
d_{50} [mm]		3 ± 0.3		

Physical properties

Bulk density	≈ 1150 kg/m³
Bulk Density (packed)	≈ 1210 kg/m³
Angle of Repose	≈ 35 °

Storage

- Keep in a dry place and protect from moisture.
- A bituminous coating is recommended for the floor and walls of bulk stores.
- Metal surfaces should receive a corrosion resistant coating.
- Wooden walls and roof trusses are ideal.
- Magnesia-Kainit can also be stored in the open. The storage area should be as plain as possible and its surface has to be waterproof. The product should be thoroughly protected from soil moisture. In practice, it has proven to be efficient to cover the product with a plastic tarpaulin of at least 0,2 mm thickness held in place by means of old tyres.

Application

- Our product is made from crude potassium salt of natural origin and is permitted for use in organic farming according to the Regulations (EU) 2018/848 and (EU) 2021/1165.
- You will find detailed information on our website www.kpluss.com/fertilizer

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A K+S Company