

Mineral Fact Sheet

Magnesium oxide	
Formula:	MgO
CAS No.:	1309 - 48 - 4
EC No.:	215-171-9
Feed Materials Catalogue:	11.2.1
Manufacturing Process:	
Produced by calcination of magnesite (MgCO ₃) at temperature between 900 and 1000°C.	
Characteristics:	
Magnesium oxide	84 % - 86 %
Magnesium	50,5 - 52,0 %
Minor components	Fe ₂ O ₃ , Al ₂ O ₃ , CaO , SiO ₂
Loss of ignition	approx. 1 %
Appearance	fine powder, fine granular (various grades 0 - 2 mm)
Density	loose 1.0 kg /l
Tapped density	1.1 kg /l
Handling, storage, toxicity:	
Non toxic	
Avoid dust formation	
Use adequate dust protection	
Hygroscopic product, to be stored in a cool and dry place	
Specific information:	