

CB MINERALS
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INDUSTRIAL MINERALS SINCE 1897

BRUCITE NATURAL

Brucite is a naturally occurring form of magnesium hydroxide. Our product is selectively mined and beneficiated by heavy media separation. It is ground to a fine powder suitable for polymer compounding. The major use for Brucite is as fire retardant. Starting at about 300°C the Brucite decomposes (Mg(OH)₂ into MgO plus H₂O) absorbing heat and releasing water. This reaction is the basis of the fire retardant and smoke suppression property.

CHEMICAL ANALYSIS:

LOI As Sold, 1000°C (H ₂ O)	33.0%
After Loss on Ignition:	
MgO	91.0%
CaO	3.8%
SiO ₂	2.5%
R2O3	1.7%
Other Insolubles	1.0%

PHYSICAL PROPERTIES:

Appearance	Off-White Powder
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PACKAGING:

50 lb paper bags.

ORIGIN: USA