

# CHARLES B. CHRYSAL CO., INC

689 Mamaroneck Ave.  
Mamaroneck, NY 10543  
Tel: 914 777 3330 Fax: 914 777 3035  
WEB SITE: [www.cbchrysal.com](http://www.cbchrysal.com)  
E-Mail: [info@cbchrysal.com](mailto:info@cbchrysal.com)  
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  $H_2O$ ) 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 <sub>2</sub> O)	33.0%
After Loss on Ignition:	
MgO	91.0%
CaO	3.8%
SiO <sub>2</sub>	2.5%
R2O3	1.7%
Other Insolubles	1.0%

### PHYSICAL PROPERTIES:

Appearance	Off-White Powder
------------	------------------

### PACKAGING:

50 lb paper bags.

ORIGIN: USA