



**United States**  
513.731.1110

**France**  
+33(0) 3.29.37.88.22

**Japan**  
81.3.3344.3010

**China**  
86.21.6064.9669

## Basic Copper Nitrate

### Technical Specifications

Copper	51.6 - 54.4 %
Nitrate	23.5 - 27.2%
Sodium	500 ppm max.
Moisture @ 80°C	0.50%
PSD D50 Microtrac	2.0 - 7.0 um
Surface Area	3.0 - 6.0 m <sup>2</sup> /g

### Product Number

# 1233

### Description:

an intermediate copper product. It is a powder ranging in color from green to turquoise

### Application:

Pyrotechnic Generants

### Packaging:

125 lb - box

### Chemical Formula:

Cu2(OH)3NO3

*Manufactured under ISO 9001 registered quality management systems.*

### Description

Basic Copper Nitrate is used as an oxidizer and in fuel and combustion additives. It provides high gas output, density, and thermal stability. Basic Copper Nitrate is used throughout many industrial sectors in applications such as: Oxidizers for gas-generating compounds in airbags, increase performance and burn rates of fuel and combustion additives, heterogeneous catalysis, and chemical synthesis.

The Shepherd Chemical Company is a well-known leader in the manufacturing of Basic Copper Nitrate, used in airbag generants, fuel and combustion additives, intermediate copper products, and oxidizers. Our Basic Copper Nitrate additives are continually developed to meet the needs of customers in all industries.

4900 Beech Street, Norwood OH 45212 • P:513-731-1110 • [www.shepchem.com](http://www.shepchem.com)

The management system governing the manufacture of this product is ISO 9001:2015 and RCMS®:2013 certified.