

# Cobalt II

## Hydroxide Powder







APS  
40-60 $\mu$ m

NS6130-12-000979



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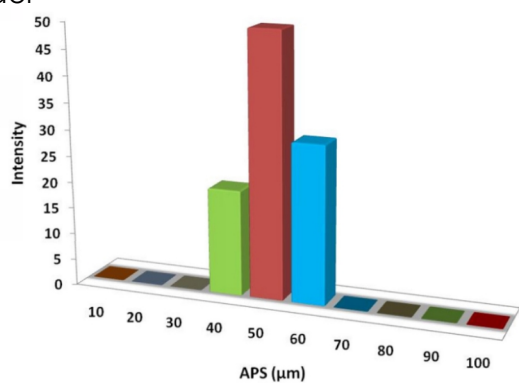
# Cobalt II Hydroxide Powder

Cobalt II Hydroxide Powder is an inorganic compound. It is a black antiferromagnetic solid and commercial ceramic grades of cobalt oxide will often produce glaze specking. Cobalt oxide is typically insoluble in aqueous solutions (water) and extremely stable. Because of its stability, it is useful in ceramic structures such as simple as producing clay bowls to advanced electronics and in lightweight structural components in aerospace and electrochemical applications, for instance, fuel cells in which they manifest ionic conductivity.

This powder is utilized in lithium-ion batteries. It is also applied in glass, ceramics, inks, paints, and varnishes. It is also utilized as electroplating for its attractive appearance. Cobalt Oxide is used in glazes, glass, and enamels and it the most powerful ceramic colorant. Cobalt oxide is employed as an electrode in lithium-ion batteries, in the form of cobalt nanoparticles.

## Quick Facts

Product	:	Cobalt II Hydroxide Powder
Stock No	:	NS6130-12-000979
CAS	:	21041-93-0
Purity	:	99%
Form	:	Powder



## Technical Specification

Formula	APS	Molecular Weight	Melting Point
$\text{Co}(\text{OH})_2$	40-60µm	92.95g/mol	250 °C

## Chemical Composition

Product	Weight Percent (nominal)	
	$\text{Co}(\text{OH})_2$	Other Metal
Cobalt II Hydroxide Powder	99%	0.1%

## Applications

- Ceramics
- Lithium ion batteries
- Enamels

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