



# Copper(II) nitrate

## Product Data

Chemical Name:	Cupric nitrate 2.5-hydrate
Commercial Name:	Cupric - nitrate
Chemical formula:	$\text{Cu}(\text{NO}_3)_2 \cdot 2.5\text{H}_2\text{O}$
Form and colour:	deep blue crystals
Molecular weight:	232.59 g/mol
CAS-No.:	19004-19-4
Thermal decomposition	170 °C
Solubility:	soluble in water and alcohol

## Special characteristics

Melts at approx. 114 °C in its own crystal water. Cupric nitrate tends to get hard during storing.

## Analysis

Specification	in % by weight
Cu(II)	min. 27,0
Fe	max. 0,005
Cl	max. 0,02
HCl insoluble	max. 0,1

## Application

- ◆ For manufacturing of catalysts
- ◆ For organic chemistry
- ◆ For electroplating
- ◆ For dyeing of metals
- ◆ For formulation of fungicide and herbicide preparations
- ◆ Dyeing of textile

## Storage

**Cupric nitrate** can be stored up to 12 months in its densely closed original packaging

## Packaging

25 kg PE-bags

## Special advices for security

Information concerning

- ◆ classification and labelling according to the regulations governing transport and hazardous chemicals.
- ◆ protective measures for storage and handling
- ◆ safety measures in case of accident and fire
- ◆ toxicity and ecological effects

is given in our material safety data sheets.

## Customs Tariff Number

2834 2940