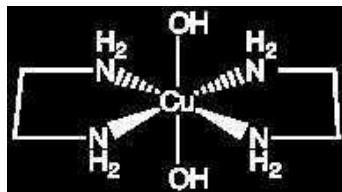


COPPER(II) ETHYLENEDIAMINE SOLUTION

RE0008 Copper(II) ethylenediamine solution, for determination of viscosity in cellulose according to DIN 54270



- $[\text{Cu}(\text{OH})_2(\text{C}_2\text{H}_8\text{N}_2)_2]$
- CAS [14552-35-3]
- EINECS-No.: 238-597-7
- Density: 1,10 g/cm³
- Solub. in water: (20 °C): miscible
- LD 50 (oral, rat): 750 mg/kg (pure substance)
- ADR: 8 CT1 II UN 1761
- IMDG: 8 II UN 1761
- IATA/ICAO: 8 II UN 1761
- GHS-signal word: Danger
- GHS-H sentences: H331 - H334 - H314 - H302 - H317 - H411
- GHS-P sentences: P260 - P285 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2942 00 00 00
- Applications: for determination of viscosity in cellulose.
- Appearance: Dark blue liquid

copper (Cu) 1,00 mol/l
relation ethylenediamine/copper 1,96 - 2,04

ART. NO.	VOLUME	CONTAINER
RE00081000	1 l	0

COPPER(II) HYDROXIDE CARBONATE

CO0088 Copper(II) hydroxide carbonate, EssentQ®



- Synonyms: Copper(II) carbonate hydroxide, Copper(II) carbonate basic
- $\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2$
- M = 221,20 g/mol
- CAS [12069-69-1]
- EINECS-No.: 235-113-6
- Solub. in water: (20 °C): insoluble
- Melting point: 200 °C
- LD 50 (oral, rat): 1350 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H302
- GHS-P sentences: P264 - P270 - P330 - P301 + P312 - P501a
- Tariff number: 2836 99 11 00

- Applications: in pyrotechnics, in galvanotechnia, for the synthesis of: copper salts.

assay (iodometric) min. 95 %
chlorides (Cl) max. 0,01 %
sulfates (SO₄) max. 0,05 %
iron (Fe) max. 0,02 %
lead (Pb) max. 0,01 %
sodium (Na) max. 0,5 %
nickel (Ni) max. 0,05 %
zinc (Zn) max. 0,01 %
non precipitable with H₂S (as SO₄) max. 1 %

ART. NO.	VOLUME	CONTAINER
CO00880500	500 g	0
CO00881000	1 kg	0

COPPER(II) NITRATE TRIHYDRATE

- Synonyms: Copper dinitrate trihydrate
- $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$
- M = 241,60 g/mol
- CAS [10031-43-3]
- EINECS-No.: 221-838-5
- Solub. in water: (20 °C): soluble
- Melting point: ~ 114 °C

- LD 50 (oral, rat): 940 mg/kg
- ADR: 5.1 O2 II UN 1477
- IMDG: 5.1 II UN 1477
- IATA/ICAO: 5.1 II UN 1477
- GHS-signal word: Danger
- GHS-H sentences: H272 - H400 - H410 - H302 - H315 - H319

- GHS-P sentences: P221 - P210 - P220 - P305 + P351 + P338 - P321 - P501a
- Tariff number: 2834 29 40 00
- Applications: analytical chemistry, in galvanotechnia, spraying reagent in thin layer chromatography, in porcelain industry (colouring agent).
- Appearance: Blue crystals

CO0098 Copper(II) nitrate trihydrate, EssentQ®



assay (iodometric) 98 - 103 %
insoluble in water max. 0,025 %
pH (5 %, H₂O) min. 2,8
chlorides (Cl) max. 0,003 %
sulfates (SO₄) max. 0,01 %
arsenic (As) max. 0,0001 %

calcium (Ca) max. 0,05 %
iron (Fe) max. 0,01 %
lead (Pb) max. 0,005 %
magnesium (Mg) max. 0,01 %
nickel (Ni) max. 0,05 %
non precipitable with H₂S (as SO₄) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
CO00980500	500 g	0
CO00981000	1 kg	0
CO0098005P	5 kg	0

CO0091 Copper(II) nitrate trihydrate, ExpertQ®, for analysis



assay (iodometric) min. 99,5 %
chlorides (Cl) max. 0,0005 %
sulfates (SO₄) max. 0,005 %
calcium (Ca) max. 0,005 %
iron (Fe) max. 0,002 %
lead (Pb) max. 0,001 %
nickel (Ni) max. 0,001 %

potassium (K) max. 0,01 %
sodium (Na) max. 0,01 %
zinc (Zn) max. 0,001 %

ART. NO.	VOLUME	CONTAINER
CO00910500	500 g	0
CO00911000	1 kg	0
CO0091005P	5 kg	0
CO0091025P	25 kg	0