

# COBALT (II) CHLORIDE HEXAHYDRATE

*Kobaltu (II) chlorek 6 hydrat*



M = 237,93 g/mol

CAS: 7791-13-1

WE: 231-589-4



H: 302, 317, 334, 350I, 360F, 410  
P: 201, 273, 281, 304+341, 308+313  
RID/ADR: 9, III UN: 3077



### Physical and chemical properties:

Character:	solid	Explosion limits:	not applicable
Colour:	purple	Vapour pressure:	not applicable
Odor:	odorless	Density:	1,92 g/cm <sup>3</sup> (25°C)
pH:	approx 4,9 (50 g/l H <sub>2</sub> O, 25°C)	Bulk density:	approx 1250 kg/m <sup>3</sup>
Melting point:	56°C	Solubility:	
Boiling point:	no data	in water:	76 g/l (0°C), 191 g/l (100°C)
Auto-ignition temperature:	not applicable	in organic solvents:	no data
Ignition temperature:	not applicable		

### cobalt (II) chloride hexahydrate pure

**CHEM\*425123403**

25 g	50 g	Assay	98,0 – 102,0 %
100 g	250 g	Substances insoluble in water	max. 0,01%
500 g	750 g	Sulphates (SO <sub>4</sub> )	max. 0,01%
1 kg		Alkali metals and alkaline earth metals (as SO <sub>4</sub> )	max. 0,2%
		Heavy metals (as Cu)	max. 0,01%
		Zinc (Zn)	max. 0,01%
		Nickel (Ni)	max. 0,25%
		Iron (Fe)	max. 0,005%
		Appearance	purple crystals

### cobalt (II) chloride hexahydrate pure p. a.

**CHEM\*115123404**

25 g	50 g	Assay	99,0 – 101,0 %
100 g	250 g	Substances insoluble in water	max. 0,005%
500 g	750 g	Total nitrogen (N)	max. 0,005%
1 kg		Sulphates (SO <sub>4</sub> )	max. 0,005%
		Alkali metals and alkaline earth metals (as SO <sub>4</sub> )	max. 0,1%
		Heavy metals (as Cu)	max. 0,005%
		Zinc (Zn)	max. 0,005%
		Nickel (Ni)	max. 0,15%
		Iron (Fe)	max. 0,002%
		Appearance	purple crystals