NICKEL(II) CHLORIDE HEXAHYDRATE

- Synonyms: Nickel dichloride hexahydrate
- $NiCl_2 \cdot 6H_2O$
- M = 237,71 g/mol
- CAS [7791-20-0]
- EINECS-No.: 231-743-0
- Solub. in water: (20 °C): 553 g/l
- Melting point: 140 °C (release of crystalline water)
- Vapour pressure: (671 °C) 1,3 hPa (anhydrous substance)
- LD 50 (oral, rat): 105 mg/kg
- ADR: 6.1 T5 III UN 3288
- IMDG: 6.1 III UN 3288
- IATA/ICAO: 6.1 III UN 3288
- GHS-signal word: Danger
- GHS-H sentences: H301 - H400 - H410 - H317
- GHS-P sentences: P261 - P280 - P321 - P363 - P405 - P501a
- Tariff number: 2827 35 00 00
- Applications: analytical chemistry, laboratory reagent, manufacturing of inks.

NI0138 Nickel(II) chloride hexahydrate, EssentQ®

assay (complexometric)	min. 98 %
insoluble in water	max. 0,025 %
pH (5 %, H_2O)	min. 3
sulfates (SO_4)	max. 0,01 %
calcium (Ca)	max. 0,03 %
copper (Cu)	max. 0,01 %
iron (Fe)	max. 0,005 %
lead (Pb)	max. 0,002 %
zinc (Zn)	max. 0,05 %
non precipitable with $(NH_4)_2S$ (as SO_4)	max. 0,3 %

ART. NO.	VOLUME	CONTAINER
NI01380250	250 g	P
NI01381000	1 kg	P

NI0139 Nickel(II) chloride hexahydrate, ExpertQ®, for analysis

assay (complexometric)	min. 98,5 %
identity	passes test
insoluble in water	max. 0,005 %
pH (5 %, H_2O)	3,5 - 6,5
sulfates (SO_4)	max. 0,005 %
calcium (Ca)	max. 0,005 %
cobalt (Co)	max. 0,005 %
copper (Cu)	max. 0,001 %
iron (Fe)	max. 0,001 %
lead (Pb)	max. 0,002 %
sodium (Na)	max. 0,01 %
zinc (Zn)	max. 0,001 %

ART. NO.	VOLUME	CONTAINER
NI01390250	250 g	P
NI01391000	1 kg	P
NI0139005P	5 kg	P

NICKEL(II) NITRATE HEXAHYDRATE

NI0150 Nickel(II) nitrate hexahydrate, EssentQ®

- $Ni(NO_3)_2 \cdot 6H_2O$
- M = 290,81 g/mol
- CAS [13478-00-7]
- EINECS-No.: 236-068-5
- Solub. in water: (20 °C): soluble
- Melting point: 56,7 °C
- Boiling point: 136,7 °C
- LD 50 (oral, rat): 1620 mg/kg
- ADR: 5.1 O2 III UN 2725
- IMDG: 5.1 III UN 2725
- IATA/ICAO: 5.1 III UN 2725
- GHS-signal word: Danger
- GHS-H sentences: H272 - H302 + H332 - H315 - H318 - H334 - H317 - H341 - H350 - H360D - H372 - H410
- GHS-P sentences: P221 - P210 - P280 - P273 - P305 + P351 + P338 - P308 + P313
- Tariff number: 2834 29 20 00
- Applications: analytical chemistry, laboratory reagent, in the ceramics industry.
- Appearance: Blue-green-emerald crystals

assay (complexometric)	min. 98 %
chlorides (Cl)	max. 0,003 %
sulfates (SO_4)	max. 0,03 %
calcium (Ca)	max. 0,2 %
cobalt (Co)	max. 0,01 %
copper (Cu)	max. 0,002 %
iron (Fe)	max. 0,005 %
lead (Pb)	max. 0,005 %
zinc (Zn)	max. 0,05 %
non precipitable with $(NH_4)_2S$ (as SO_4)	max. 0,3 %

ART. NO.	VOLUME	CONTAINER
NI01500250	250 g	P
NI01501000	1 kg	P
NI0150005P	5 kg	P

NICKEL(II) SULFATE HEXAHYDRATE

- $NiSO_4 \cdot 6H_2O$
- M = 262,86 g/mol
- CAS [10101-97-0]
- EINECS-No.: 232-104-9
- Solub. in water: (20 °C): 625 g/l
- Melting point: 53 °C
- LD 50 (oral, rat): 264 mg/kg
- EC-Index-No.: 028-009-00-5
- ADR: 9 M7 III UN 3077
- IMDG: 9 III UN 3077
- IATA/ICAO: 9 III UN 3077
- GHS-signal word: Danger
- GHS-H sentences: H334 - H351 - H400 - H410 - H302 - H317
- GHS-P sentences: P285 - P261 - P280 - P321 - P405 - P501a
- Tariff number: 2833 24 00 00
- Applications: laboratory reagent, for organometallic compounds synthesizing, manufacture of dyes and painting.

NI0179 Nickel(II) sulfate hexahydrate, EssentQ®

assay (complexometric)	98 - 102 %
insoluble in water	max. 0,025 %
pH (5 %, H_2O)	4 - 6
chlorides (Cl)	max. 0,005 %
nitrogen compounds (as N)	max. 0,005 %
arsenic (As)	max. 0,001 %
cadmium (Cd)	max. 0,005 %
cobalt (Co)	max. 0,02 %
copper (Cu)	max. 0,005 %
iron (Fe)	max. 0,005 %
lead (Pb)	max. 0,002 %
zinc (Zn)	max. 0,005 %
non precipitable with $(NH_4)_2S$ (as SO_4)	max. 0,5 %

ART. NO.	VOLUME	CONTAINER
NI01790250	250 g	P
NI01791000	1 kg	P