

Nickel(II) sulfate hexahydrate, for analysis, ExpertQ®, ACS**Identification**

NiSO₄·6H₂O
M = 262,86 g/mol
CAS [10101-97-0]
EC number: 232-104-9
Taric code: 2833 24 00

Applications

laboratory reagent, for organometallic compounds synthesizing, manufacture of dyes and painting.

Specifications

assay (complexometric).....	99 - 102 %	copper (Cu).....	max. 0,002 %
identity.....	passes test	iron (Fe).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	lead (Pb).....	max. 0,001 %
pH (5 %, H ₂ O).....	4 - 6	magnesium (Mg).....	max. 0,005 %
chlorides (Cl).....	max. 0,001 %	manganese (Mn).....	max. 0,002 %
total nitrogen (as N).....	max. 0,001 %	potassium (K).....	max. 0,01 %
calcium (Ca).....	max. 0,005 %	sodium (Na).....	max. 0,03 %
cobalt (Co).....	max. 0,002 %	zinc (Zn).....	max. 0,002 %

Physical data

- Appearance: crystals, green
- Spec. Density: 2,07 g/cm³
- Bulk density: ~ 1000 kg/m³
- Solub. in water: (20 °C): 625 g/l
- Melting point: 53 °C
- pH(100 g/l H₂O, 20 °C) 4,3 - 4,7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.

**Precautionary Statements:**

- P284: Wear respiratory protection.
P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 9 M7 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Nickel(II) sulfate hexahydrate)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Nickel(II) sulfate hexahydrate)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Nickel(II) sulfate hexahydrate)
- PAX: 911
- CAO: 911
- 10°C - 30°C