



Product Specification

Product Name: NICKEL(II) SULFATE Hexahydrate AR

Alternate Name(s)

Description

Alpha-form: Blue to blue-green crystals.

Beta-form (transition at 53.3°C): Green transparent crystals, stable at 40°C, blue and opaque at room temperature.

Properties

Chemical Formula:

Molecular Weight: 262.86

Product Code: NA016

CAS No.: 10101-97-0

General Information:

Soluble in alcohol. Listed as a carcinogen, category 3 in List of Designated Hazardous Substances, -NOHSC. Non combustible material.

Hazard and Safety Data

UN Group: III
Class: 9
UN Number: 3077
Hazchem code: 2X
CS MSDS Code: 1CH4O
Poison schedule: S6
Emergency
Procedure Guide No.: 47

Quality Specification

Typical Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Specific Gravity	2.07
Solubility in Water (@ 20°C)	625 g/L
Melting Point	Loses water at 103°C.
Cobalt (Co)	0.025%
Copper (Cu)	0.0002%
Iron (Fe)	0.0015%
Zinc (Zn)	0.0002%
Lead (Pb)	0.0005%
Cadmium (Cd)	0.0002%
Arsenic (As)	0.0005%
Calcium+Magnesium (Ca+Mg)	0.0250%

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