Product Specification

Product Name: NICKEL CHLORIDE Hexahydrate AR

Alternate Name(s)

Description

Green crystals or powder. Deliquescent.

Properties

Chemical Formula: $NiCl_2 \cdot 6H_2O$

Molecular Weight: 237.71

General Information:

Soluble in alcohol and ammonium hydroxide. Incompatible with strong oxidizing agents, peroxides, potassium. Non flammable.

Product Code: NA008

CAS No. 7718-54-9

Hazard and Safety Data

UN Group: III

Class: 6.1

UN Number: 3288

Hazchem code: 2X

CS MSDS Code: 1CH4N

Poison schedule: Not Scheduled

Emergency Procedure Guide No.: 34

Quality Specification

Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Vapour Pressure (671 °C, anhydrous)	1.3 hPa
Decomposition Temp. (release of crystalline water)	140 °C
Solubility in Water (20 °C)	553 g/L
pH Value (100 g/L, H2O, 20 °C)	~ 4.9
Sulfate (SO4)	≤ 0.005%
Calcium (Ca)	≤ 0.005%
Cobalt (Co)	≤ 0.005%
Copper (Cu)	≤ 0.001%
Iron (Fe)	≤ 0.002%
Lead (Pb)	≤ 0.002%
Magnesium (Mg)	≤ 0.002%
Potassium (K)	≤ 0.005%
Zinc (Zn)	≤ 0.001%

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