



Product Specification

Product Name: COBALT(II) NITRATE Hexahydrate LR

Alternate Name(s) Nitric acid cobalt 6-hydrate; cobaltous nitrate.

Description

Red crystals. Deliquescent in moist air. Mixtures with combustible material are readily ignited and may burn fiercely.

Properties

Chemical Formula: $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$

Molecular Weight: 291.04

Product Code: CL091

CAS No. 10026-22-9

General Information:

Soluble in water. Soluble in most organic solvents. Incompatible with readily oxidisable materials, sodium hypophosphite, stannous chloride, reducing agents, aluminium powder, strong acids, isothiocyanates and hypophosphites.

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 1477
Hazchem code: 1[Z]
CS MSDS Code: 1CH20
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 31

Quality Specification

Assay: 96.0% min.

Specific Properties and Impurities [Typical levels]:

Insoluble matter	≤ 0.01%
Chloride (Cl)	≤ 0.005%
Copper (Cu)	≤ 0.002%
Iron (Fe)	≤ 0.002%
Lead (Pb)	≤ 0.002%
Nickel (Ni)	≤ 0.05%
Zinc (Zn)	≤ 0.0025%
Density	2.49
Specific gravity	1.88
Soluble in water (100 °C)	2170 g/L

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