



# Nickel Sulphate Heptahydrate

## Product Data

Chemical formula	NiSO <sub>4</sub> x 7 H <sub>2</sub> O
Chemical name	Nickel sulphate heptahydrate
Molecular weight	280.88 g/mol
CAS-Number	7786-81-4
REACH-Reg.-Number	232-104-9 EC/ 01-2119439361-44-0005
Delivery form	green to dark green crystals
Crystal form	monoclinic or rhombic crystals
Bulk density	1.2 kg/l approx.

## Analysis

	Specification	Typical
Nickel Ni	20-21 %	20.5 %
Cobalt Co	< 2.000 ppm	150 ppm
Lead Pb	< 5 ppm	1 ppm
Cadmium Cd	< 5 ppm	1 ppm
Copper Cu	< 20 ppm	2 ppm
Iron Fe	< 30 ppm	25 ppm
Manganese Mn	< 20 ppm	1 ppm
Chromium Cr	< 5 ppm	1 ppm
Zinc Zn	< 20 ppm	1 ppm
Aluminium Al	< 10 ppm	1 ppm
Calcium Ca	< 200 ppm	8 ppm
Magnesium Mg	< 200 ppm	1 ppm

## Application

Basic salt for metal finishing.

## Storage

**Nickel sulphate heptahydrate** has a shelf life of min. 24 months if stored correctly in dry areas and in its original closed packaging at room temperature.

## Packaging

25 kg in UN PE-bag  
(CP-3: max. 40 bags = 1.000 kg net)  
(EP: max. 40 bags = 1.000 kg net)

## Special advices for security

Information concerning

- ♦ classification and labelling according to the regulations governing transport and hazardous chemicals.
- ♦ protective measures for storage and handling
- ♦ safety measures in case of accident and fire
- ♦ toxicity and ecological effects

is given in our material safety data sheets.

## Customs Tariff Number

2833 2400