

# *Nickel(II) sulfate heptahydrate*

## *Product Stewardship Summary*

Chemical Name:	Nickel(II) sulfate heptahydrate
Synonyms:	Nickel(2+);sulfate;heptahydrate
CAS Number:	10101-98-1
EC (EINECS) Number:	600-153-9
Revision number:	1-2026

- **Chemical identification and uses:** Nickel(II) sulfate heptahydrate appears as green odorless crystalline substance. This substance is used in nickel-plating, dyeing (mordant), diagnosing (contact allergen), and manufacturing (catalysts and other nickel compounds). Most nickel sulfate is a byproduct of copper refining (electrolytic).
- **Potential exposures:** Exposure to Nickel(II) sulfate heptahydrate can occur in industrial/manufacturing facilities and/or during use as laboratory chemicals in research settings. The substance can be absorbed into the body by inhalation of its aerosol, through the skin and by ingestion. Good manufacturing and industrial hygiene practices for Nickel(II) sulfate heptahydrate should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** Nickel sulfamate solution is harmful if swallowed or inhaled and may cause allergic skin reaction. It may cause allergy or asthma or breathing difficulties if inhaled. This substance is suspected of causing genetic defects and may cause cancer and may damage the unborn child and causes damage to organs through prolonged or repeated exposure. Nickel(II) sulfate heptahydrate is identified as known carcinogen by NTP and IARC. This substance is known to the State of California (Prop 65) to cause cancer. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information.
- **Environmental Health hazards:** It is very toxic to aquatic organisms and may cause long-lasting adverse effects to the aquatic life.
- Please contact us at [PSCustomerCare@Solstice.com](mailto:PSCustomerCare@Solstice.com) for more information. Additional information Nickel(II) sulfate heptahydrate solution may also be found at the following links:

[PubChem - Nickel\(II\) sulfate heptahydrate](#)  
[Toxicological profile of Nickel](#)

*This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.*