

# Product Data Sheet

## (2N) 99% Niobium Nitride Nanoparticles

Product Code: NB-N-02-NP

Formula: NbN  
CAS No.: 24621-21-4  
EC No.: 246-362-5  
MDL: MFCD00016239

### Chemical Identifiers

|                        |                             |
|------------------------|-----------------------------|
| Linear Formula         | NbN                         |
| MDL Number             | MFCD00016239                |
| EC No.                 | 246-362-5                   |
| Beilstein Registry No. | N/A                         |
| Pubchem CID            | 90560                       |
| IUPAC Name             | azanylidyneniobium          |
| SMILES                 | N#[Nb]                      |
| InChI Identifier       | InChI=1S/N.Nb               |
| InChI Key              | CFJRGWXELQQLSA-UHFFFAOYSA-N |

Total Metal Impurities: 1.0% max.

### Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

Documentation

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.