

# Product Data Sheet

**(5N) 99.999% Potassium Niobate Ingot**

**Product Code: K-NBO-05-I**

**Formula:** KNbO<sub>3</sub>

**CAS No.:** 12030-85-2

**EC No.:** 234-744-4

**MDL:** MFCD00049651

## Chemical Identifiers

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Linear Formula</b>         | KNbO <sub>3</sub>                  |
| <b>MDL Number</b>             | MFCD00049651                       |
| <b>EC No.</b>                 | 234-744-4                          |
| <b>Beilstein Registry No.</b> | N/A                                |
| <b>Pubchem CID</b>            | 160967                             |
| <b>IUPAC Name</b>             | potassium; niobium(5+); oxygen(2-) |
| <b>SMILES</b>                 | [K+].[O-][Nb](=O)=O                |
| <b>Inchl Identifier</b>       | InChI=1S/K.Nb.3O/q+1;;;;-1         |
| <b>Inchl Key</b>              | UKDIAJWKFXFVFG-UHFFFAOYSA-N        |

**Total Metal Impurities:** 0.001% 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.