Product Data Sheet

(3N5) 99.95% Lithium Niobium Oxide
Product Code: LI-NBO-035

**Formula:** LiNbO$_3$
**CAS No.:** 12031-63-9
**EC No.:** 234-755-4
**MDL:** MFCD00011080

**Chemical Identifiers**

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>LiNbO$_3$</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00011080</td>
</tr>
<tr>
<td>EC No.</td>
<td>234-755-4</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>159404</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>lithium; niobium(5+); oxygen(2-)</td>
</tr>
<tr>
<td>SMILES</td>
<td>[Li+].[O-]<a href="=O">Nb</a>=O</td>
</tr>
<tr>
<td>InChI Identifier</td>
<td>InChI=1S/Li.Nb.3O/q+1;/;;:-1</td>
</tr>
<tr>
<td>InChI Key</td>
<td>GQYHUHYESMUTHG-UHFFFAOYSA-N</td>
</tr>
</tbody>
</table>

**Total Metal Impurities:** 0.05% 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.