Product Data Sheet

(3N) 99.9% Niobium Oxalate
Product Code: NB-OXL-03

**Formula:** $\text{C}_{10}\text{H}_5\text{NbO}_{20}\cdot x\text{H}_2\text{O}$

**CAS No.:** 21348-59-4

**EC No.:** 244-341-5

**MDL:** MFCD00050743

### Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>MDL Number</th>
<th>EC No.</th>
<th>Beilstein Registry No.</th>
<th>Pubchem CID</th>
<th>IUPAC Name</th>
<th>SMILES</th>
</tr>
</thead>
<tbody>
<tr>
<td>$\text{C}_{10}\text{H}<em>5\text{NbO}</em>{20}\cdot x\text{H}_2\text{O}$</td>
<td>MFCD00050743</td>
<td>244-341-5</td>
<td>N/A</td>
<td>20514713</td>
<td>2-hydroxy-2-oxoacetate; niobium(5+)</td>
<td>$\text{C}(-\text{O})(\text{C}=\text{O}[\text{O}-])\text{O}.$\text{C}(=\text{O})(\text{C}(=\text{O})[\text{O}-])\text{O}.$\text{C}(=\text{O})(\text{C}(=\text{O})[\text{O}-])\text{O}.$\text{C}(=\text{O})(\text{C}(=\text{O})[\text{O}-])\text{O}.$[\text{Nb}+5]$</td>
</tr>
</tbody>
</table>

**InChI Identifier:** InChI=1S/5C2H2O4.Nb/c5*3-1(4)2(5)6;/h5*(H,3,4)(H,5,6);/q;;;+5/p-5

**InChI Key:** AXIFGAGYFPNFC-UHFFFAOYSA-I

**Total Metal Impurities:** 0.1% 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.