Product Data Sheet

(5N) 99.999% Niobium Oxalate
Product Code: NB-OXL-05

Formula: C_{10}H_{5}NbO_{20} • xH_{2}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>
</tr>
</thead>
<tbody>
<tr>
<td>C_{10}H_{5}NbO_{20} • xH_{2}O</td>
<td>MFCD00050743</td>
<td>244-341-5</td>
<td>N/A</td>
<td>20514713</td>
</tr>
</tbody>
</table>

IUPAC Name: 2-hydroxy-2-oxoacetate; niobium(5+)
SMILES: C(=O)(C(=O)[O-])O.C(=O)(C(=O)[O-])O.C(=O)(C(=O)[O-])O.C(=O)(C(=O)[O-])O.C(=O)(C(=O)[O-])O.[Nb+5]
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: 0.001% 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.