Product Data Sheet
(4N) 99.99% Tantalum Oxide
Product Code: TA-OX-04

Formula: Ta₂O₅
CAS No.: 1314-61-0
EC No.: 215-238-2
MDL: MFCD00011254

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>Ta₂O₅</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00011254</td>
</tr>
<tr>
<td>EC No.</td>
<td>215-238-2</td>
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<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>PubChem CID</td>
<td>518712</td>
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<tr>
<td>IUPAC Name</td>
<td>Tantalum(V) Oxide</td>
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<tr>
<td>SMILES</td>
<td>441.870573Da</td>
</tr>
<tr>
<td>InChI Identifier</td>
<td>InChI=1S/5O.2Ta/q5*-2;2*+5</td>
</tr>
<tr>
<td>InChI Key</td>
<td>BPUBBGLMJRNUCC-UHFFFAOYSA-N</td>
</tr>
</tbody>
</table>

Total Metal Impurities: 0.01% 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.
A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.