Product Data Sheet
(5N) 99.999% Zirconium(IV) Nitrate
Product Code: ZR4-NAT-05

Formula: Zr(NO₃)₄
CAS No.: 13746-89-9
EC No.: 37-324-9
MDL: MFCD00148854

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>Zr(NO₃)₄</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00148854</td>
</tr>
<tr>
<td>EC No.</td>
<td>37-324-9</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>26251</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>zirconium(4+); tetranitrate</td>
</tr>
<tr>
<td>SMILES</td>
<td><a href="=O">N+</a>((O-))[O-].<a href="=O">N+</a>((O-))[O-].<a href="=O">N+</a>((O-))[O-].<a href="=O">N+</a>((O-))[O-].[Zr+4]</td>
</tr>
<tr>
<td>InchI Identifier</td>
<td>InChI=1S/4NO3.Zr/c4<em>2-1(3)4;/q4</em>-1--;4</td>
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<tr>
<td>InchI Key</td>
<td>OERNJTNJEZOPIA-UHFFFAOYSA-N</td>
</tr>
</tbody>
</table>

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.