Product Data Sheet
(3N) 99.9% Gadolinium Oxide
Product Code: GD-OX-03

Formula: Gd$_{23}$
CAS No.: 12064-62-9
EC No.: 235-060-9
MDL: MFCD00011026

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>Gd$_{23}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00011026</td>
</tr>
<tr>
<td>EC No.</td>
<td>235-060-9</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
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<td>Pubchem CID</td>
<td>24882848</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>Gadolinium(+3) cation; oxygen(-2) anion</td>
</tr>
<tr>
<td>SMILES</td>
<td>[Gd+3].[Gd+3].[O- 2].[O-2].[O-2]</td>
</tr>
<tr>
<td>InChI Identifier</td>
<td>InChI=1S/2Gd. 3O/q2*+3;3*-2</td>
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<tr>
<td>InChI Key</td>
<td>RNYFGGJMJZRTZKO-UHFFFAOYSA-N</td>
</tr>
</tbody>
</table>

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.
A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.