Product Data Sheet
(4N) 99.99% Samarium Oxide
Product Code: SM-OX-04

**Formula:** \( \text{Sm}_2\text{O}_3 \)
**CAS No.:** 12060-58-1
**EC No.:** 235-043-6
**MDL:** MFCD00011237

### Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>( \text{Sm}_2\text{O}_3 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00011237</td>
</tr>
<tr>
<td>EC No.</td>
<td>235-043-6</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>4247557</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>Oxygen(2-); samarium(3+)</td>
</tr>
<tr>
<td>SMILES</td>
<td>O=[Sm]O[Sm]=O</td>
</tr>
<tr>
<td>Inchl Identifier</td>
<td>InChl=1S/3O.2Sm</td>
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<tr>
<td>Inchl Key</td>
<td>PRCWVHVINXAFRG-UHFFFAOYSA-N</td>
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</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.