Product Data Sheet

(2N) 99% Cerium Oxide

Product Code: CE-OX-02

Formula: CeO₂
CAS No.: 1306-38-3
EC No.: 215-150-4
MDL: MFCD00010933

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>CeO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00010933</td>
</tr>
<tr>
<td>EC No.</td>
<td>215-150-4</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>73963</td>
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<tr>
<td>IUPAC Name</td>
<td>Dioxocerium</td>
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<tr>
<td>SMILES</td>
<td>[Ce+4].O=+[N+][[O-]][[O-]][[N+]][[[O-]]=O.[O-]][[N+]][[[O-]]=O.[O-]][[N+]=(O)[O.]][[O-]][(=O)[O.][O-]][[N+]]=O.N.N</td>
</tr>
<tr>
<td>Inchi Identifier</td>
<td>InChI=1S/Ce.2O</td>
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<tr>
<td>Inchi Key</td>
<td>CETPSERCDGAM-UHFFFAOYSA-N</td>
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</tbody>
</table>

Total Metal Impurities: 1.0% 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.