Product Data Sheet

(2N) 99% Cerium Carbonate
Product Code: CE-CB-02

Formula: \( \text{Ce}_2(\text{CO}_3)_3 \cdot x\text{H}_2\text{O} \)
CAS No.: 54451-25-1
EC No.: 208-655-6
MDL: MFCD00149635

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>( \text{Ce}_2(\text{CO}_3)_3 \cdot x\text{H}_2\text{O} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00149635</td>
</tr>
<tr>
<td>EC No.</td>
<td>208-655-6</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>160516</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>cerium(3+) tricarbonate</td>
</tr>
<tr>
<td>SMILES</td>
<td>[Ce+3].[Ce+3].O=C([O-]).[O-].[O-]C([O-])=O.[O-]C([O-])=O</td>
</tr>
<tr>
<td>Inchl Identifier</td>
<td>InChI=1S/3CH2O3.2Ce/c3<em>2-1(3)4::/h3</em>(H2,2,3,4)::q)::2*3/p-6</td>
</tr>
<tr>
<td>Inchl Key</td>
<td>GHLITDDQOMIBFS-UHFFFAOYSA-H</td>
</tr>
</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.