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

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