Product Data Sheet

(2N5) 99.5% Ruthenium Carbonyl
Product Code: RU-CBL-025

Formula: Ru$_3$(CO)$_{12}$
CAS No.: 15243-33-1
EC No.: 239-287-4
MDL: MFCD00011209

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>
</tr>
</thead>
<tbody>
<tr>
<td>Ru$<em>3$(CO)$</em>{12}$</td>
<td>MFCD00011209</td>
<td>239-287-4</td>
<td>N/A</td>
<td>6096991</td>
<td>carbonmonoxide; ruthenium</td>
<td>[Ru].[Ru].[Ru].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-].[O+][C-]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>InChI=1S/12CO.3Ru/c12*1-2;;;</td>
<td>InChI Key: NQZFAUXPNWSLBI-UHFFFAOYSA-N</td>
</tr>
</tbody>
</table>

Total Metal Impurities: 0.5% 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.