Product Data Sheet

(5N) 99.999% Ruthenium Carbonyl
Product Code: RU-CBL-05

**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>Ru$<em>3$(CO)$</em>{12}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00011209</td>
</tr>
<tr>
<td>EC No.</td>
<td>239-287-4</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>6096991</td>
</tr>
</tbody>
</table>

**IUPAC Name:** carbonmonoxide; ruthenium

**SMILES:** [Ru].[Ru].[Ru].[O+]#C-].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:].[O+][O=C:]

**InChl Identifier:** InChI=1S/12CO.3Ru/c12*1-2;;;

**InChl Key:** NQZFAUXPNWLSLBI-UHFFFAOYSA-N

**Total Metal Impurities:** 0.001% 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.