Product Data Sheet

98% Dichlorotris(1,10-phenanthroline)ruthenium(II) Hydrate

Product Code: RU-OMX-018-C

Formula: C_{36}H_{24}Cl_{2}N_{6}Ru·H_{2}O
CAS No.: 207802-45-7
EC No.: N/A
MDL: MFCD00150659

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>C_{36}H_{24}Cl_{2}N_{6}Ru·H_{2}O</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00150659</td>
</tr>
<tr>
<td>EC No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>71311432</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>dichlororuthenium; 1,10-phenanthroline; hydrate</td>
</tr>
<tr>
<td>SMILES</td>
<td>C1=CC2=C(C3=C(C=C=N3)C=C2)N=C1.C1=CC2=C(C3=C(C=C=N3)C=C2)N=C1.C1=CC2=C(C3=C(C=C=N3)C=C2)N=C1.O.Cl[Ru]Cl</td>
</tr>
<tr>
<td>Inchl Identifier</td>
<td>InChI=1S/3C12H8N2.2ClH.H2O.Ru/c3<em>1-3-9-5-6-10-4-2-8-14-12(10)11(9)13-7-1;;;;/h3</em>1-8H2*1H1;1H2/q;;;;+2/p-2</td>
</tr>
<tr>
<td>Inchl Key</td>
<td>WGNGRQLNAWTJI-UHFFFAOYSA-L</td>
</tr>
</tbody>
</table>

Total Metal Impurities: 2.0% 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.