Product Data Sheet
(2N) 99% Ytterbium Chloride Hydrate
Product Code: YB3-CL-02-C.XHYD

Formula: YbCl₃ • xH₂O
CAS No.: 19423-87-1
EC No.: 233-800-5
MDL: MFCD00149885

**Chemical Identifiers**

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>YbCl₃ • xH₂O</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00149885</td>
</tr>
<tr>
<td>EC No.</td>
<td>233-800-5</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>45051676</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>trichloroytterbium; hydrate</td>
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<tr>
<td>SMILES</td>
<td>O.Cl<a href="Cl">Yb</a>Cl</td>
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<tr>
<td>InChI Identifier</td>
<td>InChI=1S/3ClH.H2O.Yb/h3*1H;1H2;/q;;;;+3/p-3</td>
</tr>
<tr>
<td>InChI Key</td>
<td>WGKCQSFSQBYKUTC-UHFFFAOYSA-K</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.