Product Data Sheet

(5N) 99.999% Titanium Carbonitride Nanoparticles
Product Code: TI-CN-05-NP

Formula: Ti₂CN
CAS No.: 12654-86-3
EC No.: N/A
MDL: MFCD01868685

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>Ti₂CN</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD01868685</td>
</tr>
<tr>
<td>EC No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>88400291</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>titanium; cyanide</td>
</tr>
<tr>
<td>SMILES</td>
<td>[C-]#N.[Ti].[T</td>
</tr>
<tr>
<td>InchI Identifier</td>
<td>InChI=1S/CN.2Ti/c1-2;/q-1;;</td>
</tr>
<tr>
<td>InchI Key</td>
<td>KNGFPHLGNCUHTB-UHFFFAOYSA-N</td>
</tr>
</tbody>
</table>

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.