Product Data Sheet

(5N) 99.999% Yttrium Boride
Product Code: Y-B-05

Formula: \( \text{YB}_6 \)
CAS No.: 12008-32-1
EC No.: 234-538-4
MDL: MFCD00151353

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>( \text{YB}_6 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD00151353</td>
</tr>
<tr>
<td>EC No.</td>
<td>234-538-4</td>
</tr>
<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
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<tr>
<td>Pubchem CID</td>
<td>25022291</td>
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<tr>
<td>IUPAC Name</td>
<td>boron; yttrium</td>
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<td>SMILES</td>
<td>([\text{B}.][\text{B}.][\text{B}.][\text{B}.][\text{B}.][\text{B}.][\text{Y}])</td>
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<tr>
<td>InChI Identifier</td>
<td>InChI=InChI=1S/6B.Y</td>
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<tr>
<td>InChI Key</td>
<td>LBQSRCUUAYSSDR-UHFFFAOYSA-N</td>
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</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.
A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.