Product Data Sheet

(2N) 99% Europium(III) Sulfate Hydrate
Product Code: EU-S-02-C.XHYD

Formula: \( \text{Eu}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O} \)
CAS No.: 20814-06-6
EC No.: 233-091-2
MDL: MFCD00149703

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>MDL Number</th>
<th>EC No.</th>
<th>Beilstein Registry No.</th>
<th>Pubchem CID</th>
<th>IUPAC Name</th>
<th>SMILES</th>
<th>InchI Identifier</th>
<th>InchI Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \text{Eu}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O} )</td>
<td>MFCD00149703</td>
<td>233-091-2</td>
<td>N/A</td>
<td>16212056</td>
<td>europium(+3) cation trisulfate hydrate</td>
<td>([\text{Eu}^+3],[\text{Eu}^+3],<a href="=%5Ctext%7BO%7D">\text{O}^-</a>(=\text{O})[\text{O}^-].[\text{O}^-][\text{S}<a href="=%5Ctext%7BO%7D">(\text{O}^-)</a>=\text{O}.[\text{O}^-][\text{S}<a href="=%5Ctext%7BO%7D">(\text{O}^-)</a>]=\text{O}.\text{O} )</td>
<td>InChI=1S/2Eu.3H2O4S.H2O/c;3<em>1-5(2,3)4;/h;3</em>(H2,1,2,3,4);1H2/q2*+3;;;;/p-6</td>
<td>LYSAFKHTFWICCJ-UHFFFAOYSA-H</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.