Product Data Sheet
(2N) 99% Barium Iron Oxide
Product Code: BA-FEO-02

Formula: BaFe_{12}O_{19}
CAS No.: 12047-11-9
EC No.: 234-974-5
MDL: MFCD00075637

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>BaFe_{12}O_{19}</th>
</tr>
</thead>
<tbody>
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<td>MDL Number</td>
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<tr>
<td>Beilstein Registry No.</td>
<td>N/A</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>16217742</td>
</tr>
</tbody>
</table>

IUPAC Name: oxobarium; exo (exolutooxy) iron
SMILES: [O-2][O-2][O-2][O-2][O-2][O-2][Ba+2][Fe+3][Fe+3][O-2][Fe+3][Fe+3][Fe+3][Fe+3][Fe+3][Fe+3][Fe+3][Fe+3][Fe+3][Fe+3][Fe+3][O-2][O-2][O-2][O-2][O-2][O-2][O-2][O-2][O-2][O-2][O-2][O-2][O-2]
InChI Identifier: InChI=1S/Ba.12Fe.19O/q+2;12*+3;19*-2
InChI Key: HPYIEVBFKZPFJVB-UHFFFAOYSA-N

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.

Documentation

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.