Product Data Sheet

(2N5) 99.5% Ferric Subsulfate Solution

Product Code: FE-SSAT-025-SOL

Formula: \( \text{Fe}_4(\text{OH})_2(\text{SO}_4)_5 \)
CAS No.: 1310-45-8
EC No.: 215-179-2
MDL: N/A

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>MDL Number</th>
<th>EC 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{Fe}_4(\text{OH})_2(\text{SO}_4)_5 )</td>
<td>N/A</td>
<td>215-179-2</td>
<td>159372</td>
<td>iron(3+); dihydroxide; pentasulfate</td>
<td>( [\text{Fe}^{3+}][\text{Fe}^{3+}][\text{Fe}^{3+}][\text{Fe}^{3+}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}] = \text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}][\text{O}^{-}] ] )</td>
<td>( \text{InChI=1S/4Fe.5H2O4S.2H2O/c;;;;5<em>1-5(2,3)4;;;h;;;5</em>(H2,1,2,3,4);2*1H2/q4+3;;;;/p-12} )</td>
<td>GDPKWKLDUOTMP-UHFFFAOYSA-B</td>
</tr>
</tbody>
</table>

Total Metal Impurities: 0.5% 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

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

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