Product Data Sheet

(3N) 99.9% Hafnium Trifluoromethanesulfonate
Product Code: HF-CFS-03-SLD

Formula: $(CF_3SO_3)_4Hf$
CAS No.: 161337-67-3
EC No.: N/A
MDL: MFCD01321255

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>$(CF_3SO_3)_4Hf$</td>
<td>MFCD01321255</td>
<td>N/A</td>
<td>N/A</td>
<td>9853707</td>
<td>hafnium(4+); trifluoromethanesulfonate</td>
<td>C(F)(F)(F)S(-O)(=O)[O-].C(F)(F)(F)S(-O)(=O)[O-].C(F)(F)(F)S(-O)(=O)[O-].C(F)(F)(F)S(-O)(=O)[O-].[Hf+4]</td>
<td>InChI=1S/4CHF3O3S.Hf/c4<em>2-1(3,4)8(5,6)7;/h4</em>(H,5,6,7);/q;;;;+4/p-4</td>
<td>BQYMOILRPDTPPJ-UHFFFAOYSA-J</td>
</tr>
</tbody>
</table>

Total Metal Impurities: 0.1% 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.