Product Data Sheet
(3N) 99.9% Phosphomolybdic Acid Hydrate
Product Code: PHMO-H-03-C.XHYD

**Formula:** $12\text{MoO}_3\cdot\text{H}_3\text{PO}_4\cdot\text{H}_2\text{O}$
**CAS No.:** 51429-74-4
**EC No.:** 234-713-5
**MDL:** MFCD00149913

**Chemical Identifiers**

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>MDL No.</th>
<th>EC No.</th>
<th>PubChem CID</th>
<th>IUPAC Name</th>
<th>SMILES</th>
</tr>
</thead>
<tbody>
<tr>
<td>$12\text{MoO}_3\cdot\text{H}_3\text{PO}_4\cdot\text{H}_2\text{O}$</td>
<td>MFCD00149913</td>
<td>234-713-5</td>
<td>16211584</td>
<td>phosphoric acid; trioxomolybdenum; hydrate</td>
<td>O.OP(=O)(O)O.O=(<a href="=%5Ctext%7BO%7D">\text{Mo}</a>=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}.O=\text{O}</td>
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**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.