

|                     |  |
|---------------------|--|
| <b>Description</b>  | Tris (1,1,1,3,3,3-hexafluoro-2-propyl) phosphate               |
| <b>CAS #</b>        | 66489-68-7   |
| <b>Formula</b>      | C <sub>9</sub> H <sub>3</sub> F <sub>18</sub> O <sub>4</sub> P |
| <b>FW</b>           | 548.06   |
| <b>LOT #</b>        | TD2-097-1  |
| <b>Purity</b>       | 99.8% <sup>1</sup>   |
| <b>Batch Size</b>   | 1232 g   |
| <b>Manufactured</b> | 1/25/2012  |
| <b>Structure</b>    |  |

| Analysis             | Method  | Results                   | Analysis By: |
|----------------------|---|---------------------------|--------------|
| <b>GC/MSD</b>        | Agilent HP-5MS, 0.25 um, 30m x 0.250 mm, 30 deg/min | 99.8% <sup>1</sup>        | T. Dzwiniel  |
| <b>Boiling Point</b> | Automatic, range method (Buchi M-565)               | 166-168°C                 | T. Dzwiniel  |
| <b>Melting Point</b> | Automatic, range method (Buchi M-565)               | 31-32°C                   | T. Dzwiniel  |
| <b>FTIR</b>          | Bruker Vertex 70, Attenuated Total Reflection       | Consistent with Structure | S. Gallagher |
| <b>NMR</b>           | Bruker 500 MHz, CD3CN solution.                     | Consistent with Structure | T. Dzwiniel  |

<sup>1</sup> Average from three analyses.