



PRODUCT IDENTIFICATION

| Description |
|---|
| Hexafluoropropyl Phosphonic Acid is a fluoroalkyl chemical with phosphonic acid function. |

| Reference | Designation | CAS Number |
|--------------|----------------------------------|----------------|
| SP-0P3-1-003 | Hexafluoropropyl Phosphonic Acid | Not identified |

| Formula |
|---|
| $\text{CF}_3\text{-CFH-CF}_2\text{-PO(OH)}_2$ |

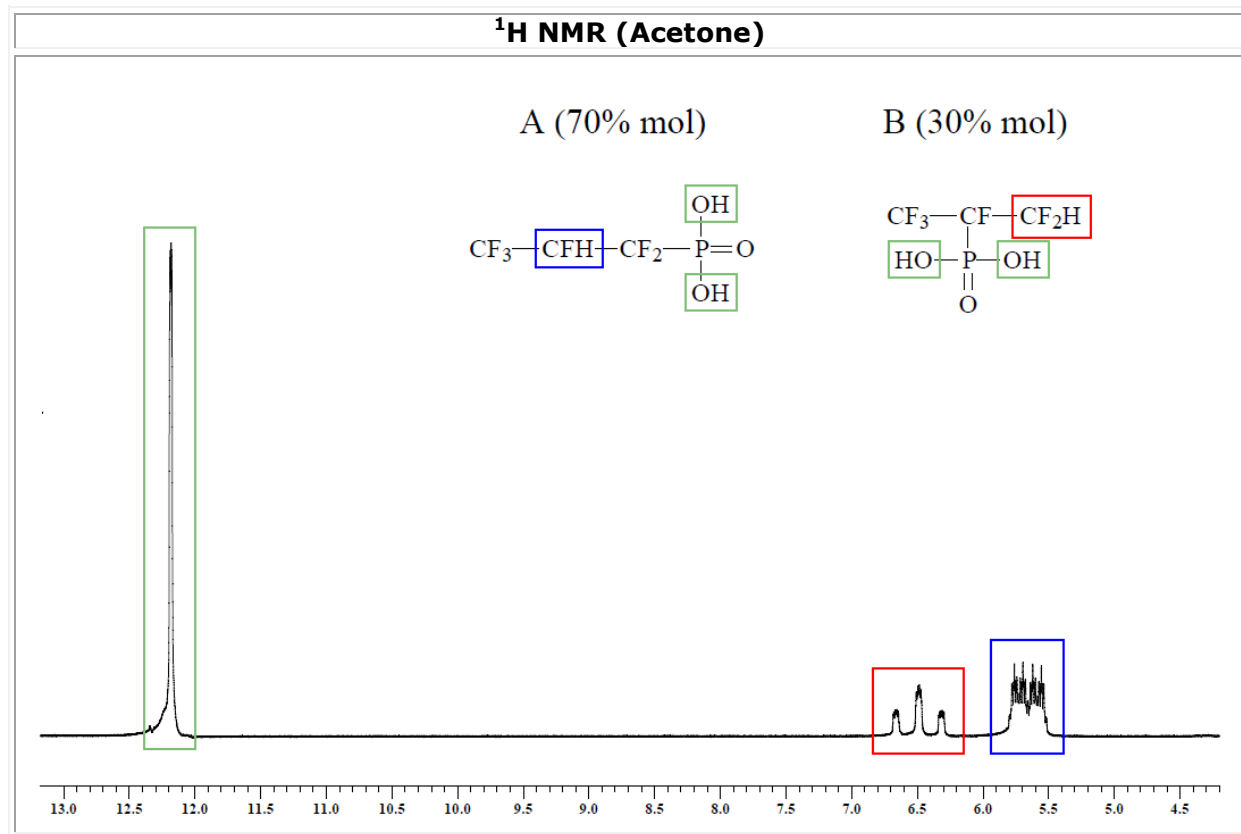
THEORETICAL PHYSICAL / CHEMICAL PROPERTIES

| | |
|---------------------------------|---|
| Physical Aspect | Orange clear viscous liquid |
| Molecular Weight (g/mol) | 232,02 |
| Composition (wt %) | C 15,5 H 1,3 F 49,1 O 20,7 P 13,4 |

| | |
|---------------------------|---|
| Boiling Point (°C) | 201 (± 50) |
| Solvents | Acetone, Methanol |
| pKa | First acidity 0,83 Second acidity 5,42 |



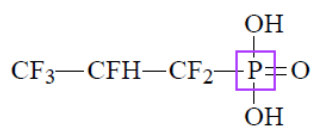
NMR SPECTRA



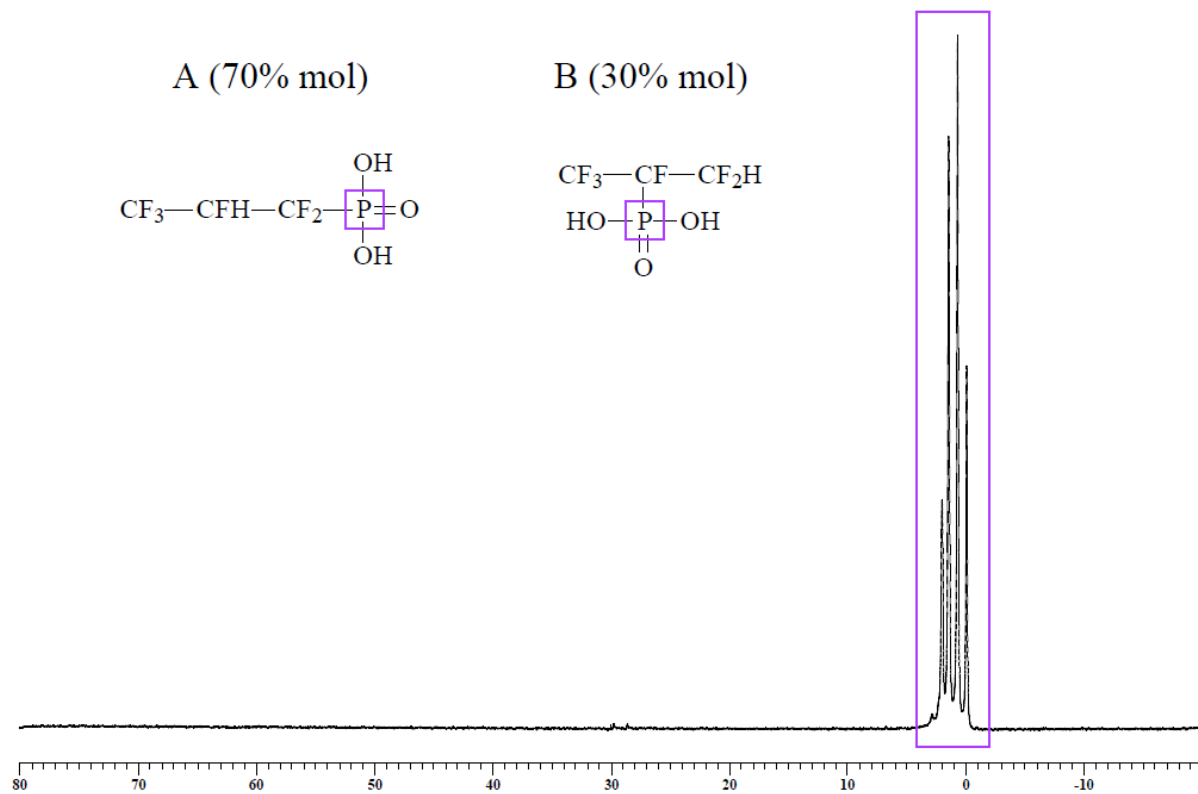
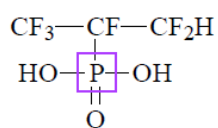


³¹P NMR (Acetone)

A (70% mol)



B (30% mol)





¹⁹F NMR (Acetone)

