- B. Precursors
- (9) Alkyl (Me, Et, n-Pr and i-Pr) phosphonyldifluorides example:

DF, CH₃P(O)F₂
CAS No. 676-99-3
HS No. 29.31.00
NIOSH: RTECS No. TA 184077

Synonyms: Methylphosphonyl difluoride; methylphosphoric difluoride

Physical properties: MW:100.00; bp: 98°C ; d_4^{20} 1.3320; n_D^{20} 1.3165; liquid.

Synthesis: The reaction of hydrogen fluoride with methylphosphonyl dichloride. The reaction of methyl tetraflurophosphine with acetic anhydride gives the difluoride in 80% yield. [V.V. Lysenko et. al., Zh.obshch. Khim., 1966, 36, 1507 (1512 in English translation)].

Suppliers: Two suppliers are listed in the United States.