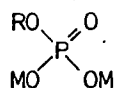


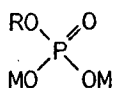
R: (CH₂CH₂O)_nR'
R': alkyl or alkylphenyl

Alkyl(alkylphenyl, C_{8~20})polyoxyethylene phosphate



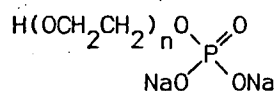
R: (R'O)_n-R''
M: Na, K, 1/2Ca
R': alkylene
R'': alkyl or alkenyl

Salts(Na, K, Ca) of alkyl(or alkenyl)(C_{1~24}) polyoxy-alkylene phosphate

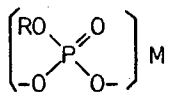


R: (R'O)_n-H
M: H, Na, K, 1/2Ca
R': alkylene

Polyoxyalkylene phosphate and its salts(Na, K, Ca)
(n=1~150)

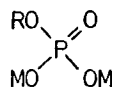


Sodium salt of polyoxyethylenephosphate



R: (CH₂CH₂O)_nR'
M: Mg, Ba, Zn
R': alkyl or alkenyl

Metalllc salts(Mg, Ba, Zn) of alkyl(or alkenyl)(C_{6~24}) polyoxyethylene phosphate



R: (CH₂CH₂O)_nR'
M: H, Na, K
R': alkyl or alkenyl

Alkyl(or alkenyl)(C_{8~24})polyoxyethylene phosphate and its salts(Na, K) (n=2~20)