

Others

Alkyl Acid Phosphates

Products	Formula mol.weight	Specifications					Typical Properties			Containers	Description and Uses
		Appearance	Specific Gravity 20/20°C	Acid value KOH mg/g	Purity wt%	Refractive Index n_D^{25}	Flash Point °C	P%	Viscosity mPa·s/25°C		
AP-1 Methyl acid phosphate	$O=P\begin{matrix} (OCH_3)_n \\ (OH)_{3-n} \end{matrix}$ n=1,2 av.119	Colorless to light yellowish liquid	1.43 ± 0.02	650 min.	—	—	177	26.1	146	200kg Drum	(1) Curing agent for resin or paint. (2) Additive for lubricating oil. (3) Intermediate for surfactant. (4) Rust inhibitor. (5) Stabilizer for peroxide. (6) Metal processing agent. (7) Wetting agent. (8) Leveling agent. (9) Metal extractant and others.
AP-4 Butyl acid phosphate	$O=P\begin{matrix} (OC_4H_9)_n \\ (OH)_{3-n} \end{matrix}$ n=1,2 av.182	Colorless to light yellowish clear liquid	1.14 ± 0.02	452 ± 20	—	—	180	17.1	143	220kg Drum	
DP-4 Dibutyl phosphoric acid	$O=P\begin{matrix} (OC_4H_9)_2 \\ OH \end{matrix}$ 210	Colorless to light yellowish clear liquid	1.08 ± 0.02	290 ± 20	—	—	187	14.7	41	180kg Drum	
MP-4 Monobutyl phosphoric acid	$O=P\begin{matrix} OC_4H_9 \\ (OH)_2 \end{matrix}$ 154	Colorless to light yellowish liquid	1.24 ± 0.02	670 ± 30	—	—	112	19.7	370	220kg Drum	
AP-8 2-ethylhexyl acid phosphate	$O=P\begin{matrix} (OC_8H_{17})_n \\ (OH)_{3-n} \end{matrix}$ n=1,2 av.266	Colorless to light yellowish liquid	1.02 ± 0.02	306 ± 20	—	—	139	11.6	235	190kg Drum	
AP-10 Isodecyl acid phosphate	$O=P\begin{matrix} (OC_{10}H_{21})_n \\ (OH)_{3-n} \end{matrix}$ n=1,2 av.308	Colorless to light yellowish liquid	1.00 ± 0.02	263 ± 20	—	—	174	10.1	335	190kg Drum	
MP-10 Monoisodecyl phosphoric acid	$O=P\begin{matrix} OC_{10}H_{21} \\ (OH)_2 \end{matrix}$ 238	light yellowish to light brownish liquid	1.07 ± 0.02	400 ± 30	—	—	161	13.0	1200	200kg Drum	

Phosphoric Acid Chloride

Products	Formula mol.weight	Specifications			Typical Properties				Containers	Description and Uses
		Appearance		Purity wt%	Specific Gravity 20/20°C	Flash Point °C	P%	Viscosity mPa·s/25°C		
DPC Diphenyl phosphoro chloridate	$O=P\begin{matrix} (OC_6H_5)_2 \\ Cl \end{matrix}$ 269	Colorless clear liquid		(MPC%) 1.0 max. (DPC%) 97.0 min.	1.302	197	—	13	220kg Drum	Protecting group when manufacturing pharmaceutical intermediates.