

Alkyl Acid Phosphates

Products CAS RN®	Formula mol.weight	Specifications					Typical Properties			Containers	Characteristic	Application
		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 12789-45-6	$\begin{array}{l} \diagup (\text{OCH}_3)_n \\ \text{O}=\text{P} \\ \diagdown (\text{OH})_{3-n} \end{array}$ n=1,2 av.119	Colorless to light yellowish liquid	1.43±0.02	≤650	—	—	177	26.1	146	200kg Drum	Soluble in organic solvent, but hardly soluble in water, except for lower alkyl ester. Containing acidic group. Forming metal salt, ammonium salt, amine salt and polyalkylene oxide addictive derivative.	(1) For lubricating oil. • Additive for lubricating oil • Additive for extreme pressure lubricating oil (2) For synthetic fiber and synthetic resin. • Antistatic agent • Lubricating agent for fiber • Antistatic agent for synthetic fiber (PVC) (3) Extractant of rare metals. (4) Rust and corrosion inhibitor for metals. (5) Dispersant for dyestuff and pigment. (6) Hardening catalyst for drying oil and synthetic resin. (7) Additive for paint. (8) Stabilizer for resin.
AP-4 Butyl acid phosphate 12788-93-1	$\begin{array}{l} \diagup (\text{OC}_4\text{H}_9)_n \\ \text{O}=\text{P} \\ \diagdown (\text{OH})_{3-n} \end{array}$ n=1,2 av.182	Colorless to light yellowish clear liquid	1.14±0.02	452±20	—	—	180	17.2	155	220kg Drum		
DP-4 Dibutyl phosphate 12788-93-1	$\begin{array}{l} \diagup (\text{OC}_4\text{H}_9)_2 \\ \text{O}=\text{P} \\ \diagdown \text{OH} \end{array}$ av.210	Colorless to light yellowish clear liquid	1.08±0.02	290±20	—	—	187	14.8	50	180kg Drum		
MP-4 Monobutyl phosphate 12788-93-1	$\begin{array}{l} \diagup \text{OC}_4\text{H}_9 \\ \text{O}=\text{P} \\ \diagdown (\text{OH})_2 \end{array}$ av.148	Colorless to light yellowish liquid	1.24±0.02	670±30	—	—	112	20.5	370	220kg Drum		
AP-8 2-ethylhexyl acid phosphate 12645-31-7	$\begin{array}{l} \diagup (\text{OC}_8\text{H}_{17})_n \\ \text{O}=\text{P} \\ \diagdown (\text{OH})_{3-n} \end{array}$ n=1,2 av.266	Colorless to light yellowish liquid	1.02±0.02	306±20	—	—	139	11.8	235	190kg Drum		
AP-10 Isodecyl acid phosphate 56572-86-2	$\begin{array}{l} \diagup (\text{OC}_{10}\text{H}_{21})_n \\ \text{O}=\text{P} \\ \diagdown (\text{OH})_{3-n} \end{array}$ n=1,2 av.311	Colorless to light yellowish liquid	1.00±0.02	263±20	—	—	174	10.0	335	190kg Drum		
MP-10 Monoisodecyl phosphate 56572-86-2	$\begin{array}{l} \diagup \text{OC}_{10}\text{H}_{21} \\ \text{O}=\text{P} \\ \diagdown (\text{OH})_2 \end{array}$ av.260	light yellowish to light brownish liquid	1.07±0.02	400±30	—	—	161	13.1	1,200	200kg Drum		

Phosphoric Acid Chloride

Products CAS RN®	Formula mol.weight	Specifications			Typical Properties				Containers	Characteristic	Application
		Appearance	Purity Wt %		Specific Gravity 20/20°C	P %	Viscosity mPa·s /25°C	Flash Point °C			
DPC Diphenyl phosphoro chloridate 2524-64-3	$\begin{array}{l} \diagup (\text{OC}_6\text{H}_5)_2 \\ \text{O}=\text{P} \\ \diagdown \text{Cl} \end{array}$ 269	Colorless clear liquid	DPC% ≥98.5	MPC% ≤1.0	1.302	—	13	197	220kg Drum	Containing reactive chloric atom in the molecule.	Intermediate of pharmaceuticals and raw material for esterification.

Plasticizers
and Solvents

Flame Retardants

Metal Extractants

Resin Modifiers

Others