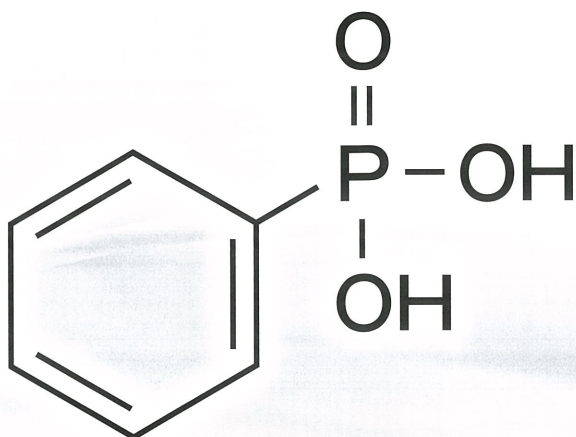


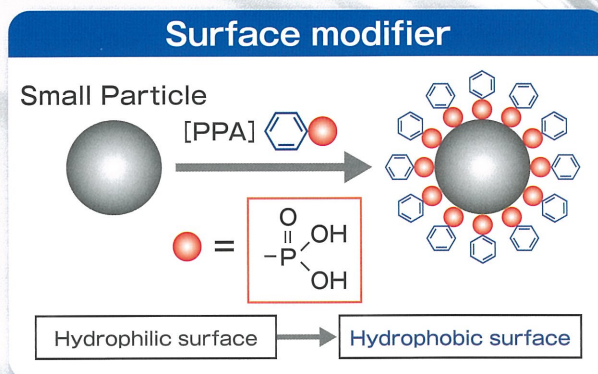
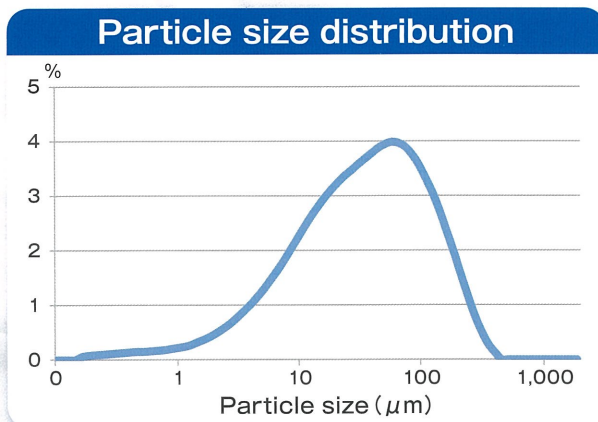
PPA (Phenylphosphonic acid)

Organic phosphorous compound containing two characteristic functional groups.

PPA was designed by our predominant organic synthesis technology, which has a phenyl-phosphorous direct bond. It shows excellent thermal stability. And two characteristic functional groups works as a good surface modifier.



Applications:
 Surface modifier for inorganic materials
 Plastic resin modifier
 Flame retardant for plastic fibers and resins
 Dispersant
 Catalyst
 etc



Properties	Appearance	White crystalline powder
Melting point	159–164°C	
P content	20%	
pH	1–3	
Bulk density	0.5g/ml	
Particle size D50	40 μm	

pka	pka1=2.2
	pka2=7.2

pka1 : Benzoic acid < PPA < Benzenesulfonic acid

Decomposition temperature	Start 176°C
	5% weight loss 276°C

Solubility	H ₂ O	47g/100g
Methanol	>100g/100g	
Ethanol	>100g/100g	
DMF	>100g/100g	
Acetone	56g/100g	
ODB	<10g/100g	
MIBK	2g/100g	
Toluene	0g/100g	
Hexane	0g/100g	
CHCl ₃	0g/100g	

Registration	CAS No.	1571–33–1
TSCA	Listed on	
EINECS	216–338–1	
ENCS (JAPAN MITI)	3–2524	
KE No.	KE-28414	

