

Flame Retardant List

G'sal Series FR from Oceanchem Group, Since 1950s

Synonyms	Cas No	G'sal	Equivalent Brand				Application
			Albemarle	Great Lakes	DSBG	Others	
Brominated Flame Retardant							
Decabromodiphenyl Oxide	1163-19-5	DBDPO	Saytex 102E	DE-83	FR-1210	110R	ABS,HIPS,TPE,PC,PP,PE,PVC,EP
Tetrabromobisphenol A	79-94-7	TBBA	Saytex CP-2000	BA-59P	FR-1524	120G	ABS,HIPS,PC,EP,UP,PF
Decabromodiphenyl Ethane	84852-53-9	DBDPE	Saytex 8010	Firemaster 2100			ABS,HIPS,PA,TPE,PC,PE,PVC,EP,PF,SI
Hexabromocyclododecane	3194-55-6	HBCD	Saytex HP900	CD-75P	FR-1206	130R	EPS
Hexabromocyclododecane TS	3194-55-6	TSHBCD		SP-75			XPS
BDDP	21850-44-2	BDDP	Saytex HP-800	PE-68	FR-720	121K	PP
1,2-Bis(tetrabromophthalimido)Ethane	32588-76-4	BT93W	Saytex BT-93W				ABS,HIPS,TPE,PC,PP,SI,EPDM,EP,PF
Brominated Polystyrene	88497-56-7	BPS7010	Saytex HP-7010	Firemaster BP-411	FR-803P		PA,PET,PBT
	88497-56-7	BPS3010	Saytex HP-3010				PA,PET,PBT
Tribromophenol	118-79-6	TBP		PH-73	FR-613		EP
Tribromoneopentyl Alcohol	36493-57-5	TBNPA			FR-513		Rigid and Flexible PU
Dibromoneopentyl Glycol	3296-90-0	DBNPG			FR-522		PU Foams,UPE,FR intermediate
Tris-(2,4,6-tribromophenoxy)-1,3,5-triazine	25713-60-4	FR245			FR-245		ABS,HIPS
Tetrabromophthalic Anhydride	632-79-1	TBPA	Saytex RB-49	PHT-4			Unsaturated Polyester,PS,PE,PP
Tris(2,3-dibromopropyl)isocyanurate	52434-90-9	TBC					PP,PVC,PU,ABS,ruber and fiber.
BC52	94334-64-2	BC52		BC-52			PBT,PET,PC,ABS,SAN,PBT/PET blends,ABS/PC blends,Polysulfone.
BC58	71342-77-3	BC58		BC-58			PBT,PET,PC,ABS,SAN,PBT/PET blends,ABS/PC blends,Polysulfone.
Phosphate Flame Retardant							
Resorcinol Aromatic Polyphosphate	139189-30-3	PX200				PX-200	PC/ABS,PPO/HIPS and other polymers.
Tetraphenyl Resorcinaol Diphosphate	57583-54-7	RDP		Reofos RDP			PC/ABS Blends and PU Foams.
Bisphenol A bis-(dipenylphosphate)	5945-33-5	BDP		Reofos BAPP			PC/ABS,PPO/HIPS Alloy.
Cresyl Diphenyl Phosphate	26444-49-5	CDP		Kronitex CDP			PVC, VC copolymer, pioloform, cellulose nitrate, cellulose acetate, Rubber.
Tris(2-chloropropyl) Phosphate	6145-73-9	TCPP				Clariant TCPP	PU Ragid foams,EVA,PVC
Tris(2-chloroethyl) Phosphate	115-96-8	TCEP				Clariant TCEP	Flexible PU foam.
Isopropylated Triphenyl Phosphate	68937-41-7	IPPP65				Reofos 65	PVC,Rubber
Isopropylated Triphenyl Phosphate	68937-41-7	IPPP50				Reofos 50	PVC Leather,PU
Tricresyl Phosphate	1330-78-5	TCP				Kornitex TCP	PVC Leather,PU
Triethyl Phosphate	78-40-0	TEP					Ragid PU foam,Unsaturated Polyester,adhesives,coatings and textiles
Triphenyl Phosphate	115-86-6	TPP				Reofos TPP	Phenolic resin-based copper clad laminate,cellulose resin,rubber,PPO etc.
117HF(Non-Halogen Phosphate ester mixture)		117HF	Aniblaze 117-HF				Halogen Free FR for flexible PU foams,efficient fire protection,low viscosity.
HF-4(Butylated Triphenyl Phosphate esters)		HF-4					Used in AutomotiveFMVSS302 and furniture California Technical Bulletin 117 flammability tests.
Melamine Polyphosphate	218768-84-4	MPP				Melapur 200	PA6,PA66,PBT

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Composite Flame Retardant • (Halogen Free Flame Retardant)							
Ammonium Polyphosphate							
	68333-79-9	APP201				Cros 484	Intumescent coats adhesive, Sealants, PU
	68333-79-9	APP202				Cros C60	Intumescent coats adhesive, Sealants, PU, Cellulose-containing materials
	68333-79-9	APP203				Cros C30	Solvent radical intumescent coatings
	68333-79-9	APP204				Cros486	Thermoplastics, electrical sector
	68333-79-9	APP205				Budit 3167	Thermoplastics, PP, PE, Polyolefin Blends
	68333-79-9	APP206					Asphalt (Road Surface application)
Melamine Cyanurate	37640-57-6	MCA8				Melapur MC8	PA6, PA66
	37640-57-6	MCA15				Melapur MC15	PA6, PA66
	37640-57-6	MCA25				Melapur MC25	PA6, PA66

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Inorganic Flame Retardant							
Zinc Stannate	12036-37-2	ZS					flame retardants and smoke inhibitors, plastic, fiber, foam industry
Zinc Hydroxy Stannate	12027-96-2	ZHS					flame retardants and smoke inhibitors, plastic, fiber, foam industry
Ammonium Bromide	12124-97-9	NH ₄ Br				FR-11	Chipboard Wood Paper, Textile
Zinc Borate	1332-07-6	ZB35				ZB2335	PVC, Rubber, Cable, Conveyor Belt
Aluminium Hydroxide	21645-51-2	Al(OH) ₃					Wire and Cable, electronic and electrical components etc. widely used.
Magnesium Hydroxide	1309-42-8	Mg(OH) ₂					PP, PE, PVC, Cables

Sulphonated Flame Retardant							
Potassium 3-(phenylsulfonyl)benzenesulfonate	63316-43-8					Arichem KSS	Transparent PC, PC/ABS.
p-Toluenesulfonic acid sodium salt	657-84-1					NATS Arichem	PC
Potassium Perfluorobutane sulfonate	29420-49-3					3M 2025	Transparent PC