



EVERKEM
FLAME RETARDANTS & ADDITIVES

PRODUCT GUIDE
FLAME RETARDANTS

everkem.com

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EVERKEM PASSION

The only flame that always burns

About us.

**WITH US
YOU NEVER GET BURNED**

You never get burned because we are specialized in the importation and the distribution of flame retardants and chemical additives for the plastic and rubber market. You never get burned because we not only are leaders in Italy and Europe, but we are also present in the rest of the world: as a trusted partner always close to your needs.

You never get burned because our management can ensure you an up to date knowledge and high skills in all business areas: technical, commercial, administrative and regulatory. Finally, with us you never get burned, because not only we know how to make your business more efficient and productive, but also we work in a sustainable way in order to guarantee to future generations a safe and protected environment.

Flame retardants

**WE CARE ABOUT SAFETY
AND ENVIRONMENT**

Flame retardants are substances that inhibit the growth of fire. They are additives mixed with different materials to reduce the risk of fire acting by a physical and/or chemical mode: they increase the resistance to ignition, act to slow down combustion and delay the spread of flames.

Flame retardants have been used since Roman times to prevent siege towers from catching fire and their use widened in the 1970's with the tendency to substitute metals with flammable materials such as plastics and wood. Today they are a fundamental part of our security being added in every flammable object we use every day: electrical equipments, cars, synthetic fibers, building materials.

Flame retardants save lives, prevent injuries, protect properties and contribute to environment protection. The most common approach to enhance fire safety is to use flame retardant additives.

PEOPLE PROTECTION

Fire causes death by its toxic gas emissions which are colourless and odourless and induce a narcosis. Flame retardant reduces burning in common use goods and in buildings, therefore lowering smoke and gas emission.

PROPERTY PROTECTION

By stopping fire from its beginning and avoiding the spreading of a blaze, flame retardants decrease considerably the risk of collapsing buildings and give also the chance to people inside to run away.

ENVIRONMENT PROTECTION

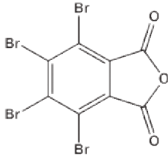
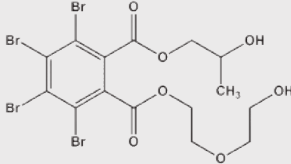
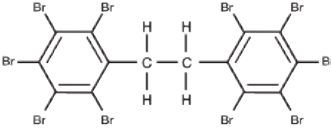
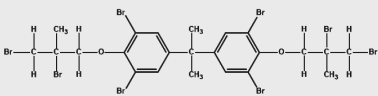
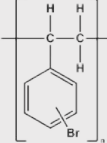
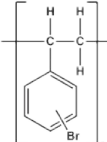
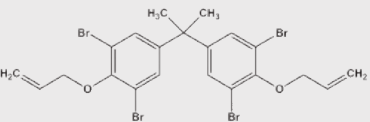
Flame retardants help protecting the flora and fauna by limiting the spreading of fire.

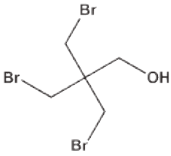
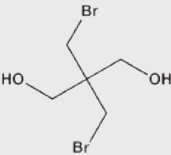
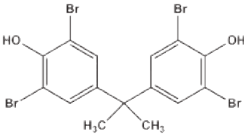
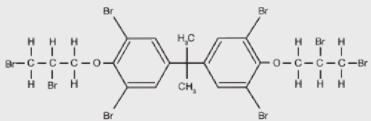
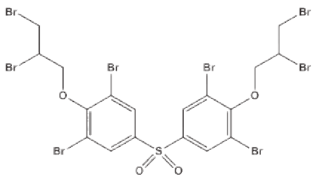
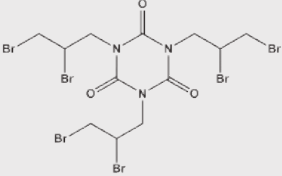
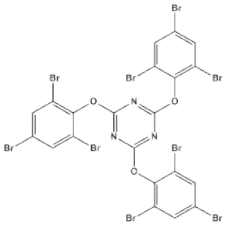
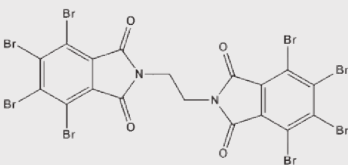
PE/EVA
XLPE/EVA-SMC/BMC

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	EVERFOS CP	CP 70 XF	CP 70 XF G (Granular)	EVERFLAM HPAL	EVERFLAM HPCA	EVERFLAM KSS	EVERFLAM SK 225	EVERFLAM STS	EVERFLAM STBS	EVERMEL AKTIVE (Series)	EVERMEL AKTIVE G (Granular)	EVERMEL MHB 34	ZINC BORATE ^{Plus XF RHP-C*}	EVERSTAB HDT 400	EVERMYL DCP	EVERMYL BPO 75	EVERMYL 96	ANTIMONY TRIOXIDE (ATO)
Polypropylene		○	○	○	○					○	○	○	○	○			○	○
Polyethylene		○	○	○	○					○	○		○	○	○		○	○
TPO (Thermoplastic Polyolefin)		○	○										○	○			○	○
EPDM		○	○										○	○	○		○	○
PVC		○	○	○	○								○	○	○	○		○
HIPS (High Impact Polystyrene)		○	○										○	○			○	○
ABS		○	○										○	○			○	○
PC/ABS (alloys)						○	○	○	○				○	○			○	○
PPO/HIPS (alloys)													○	○			○	○
XPS		○	○	○	○									○		○	○	
EPS		○	○	○	○									○	○	○	○	
Polyester													○	○			○	○
Rigid Polyurethane				○	○					○	○			○				
Flexible Polyurethane				○	○					○	○			○				
TPU				○	○					○	○			○				
Unsaturated Polyester		○	○	○	○					○	○			○				
Epoxy Resin										○	○			○				
Phenolics Resin													○	○				○
PA										○	○		○	○				○
HTPA										○	○		○	○				○
PC (Polycarbonate)						○	○	○	○				○	○				○
Coating - Paint		○	○	○	○								○	○		○		○
Textile - Back Coating		○	○	○	○								○	○				○
Adhesive		○	○										○	○				○
Rubber (NBR; SBR; Natural; Etc.)	○	○											○	○	○	○		○
Silicone													○	○				○
PE/EVA XLPE/EVA-SMC/BMC		○	○	○	○								○	○	○	○		○

	ATOFLAMIX SERIES	ATO-TLA SERIES	ATOFLAM XL5	EVERFLAM SF	EVERBLEND 1090 EVERFLAM HF1114	EVERFLAM 624	EVERBLEND DCP20	EVERFLAM ALB 11	EVERBLEND SBL67 SERIES	EVERBLEND BNP SERIES	EVERBLEND P351	EVERBLEND X40	EVERFLAM FBL
Polypropylene	○	○	○		○	○		○	○	○	○		
Polyethylene	○	○	○		○	○		○	○	○	○		
TPO (Thermoplastic Polyolefin)	○	○	○		○	○							
EPDM	○	○	○										
PVC	○	○	○	○						○			
HIPS (High Impact Polystyrene)	○	○	○							○	○	○	
ABS	○	○	○										
PC/ABS (alloys)	○	○	○										○
PPO/HIPS (alloys)	○	○	○										
XPS												○	
EPS													
Polyester	○	○	○										
Rigid Polyurethane				○									
Flexible Polyurethane				○									
TPU				○									
Unsaturated Polyester													
Epoxy Resin				○									
Phenolics Resin	○	○	○	○									
PA	○	○	○										
HTPA	○	○	○										
PC (Polycarbonate)	○	○	○										○
Coating - Paint	○	○	○										
Textile - Back Coating	○	○	○							○			
Adhesive	○	○	○										
Rubber (NBR; SBR; Natural; Etc.)	○	○	○	○						○			
Silicone	○	○	○										
PE/EVA XLPE/EVA-SMC/BMC	○	○	○		○	○	○				○		

BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @°C)	PROPERTIES	APPLICATION AND USE
AP 400		Tetrabromophthalic Anhydride CAS: 632-79-1 Molecular Formula: C ₈ Br ₄ O ₃ Bromine Content: > 68% Molecular Weight: 463.7 g/mol		1% 212 5% 229 10% 242	Melting temperature ≥ 275 °C	XPS, EPS, Polyester, Unsaturated Polyester, Epoxy Resin
AP 400-DIOL		2-(2-hydroxyethoxy)ethyl 2-hydroxypropyl 3,4,5,6-tetrabromophthalate CAS: 20566-35-2 Molecular Formula: C ₁₅ H ₁₆ Br ₄ O ₇ Bromine Content: > 44% Molecular Weight: 627 g/mol		5% 132 10% 164 50% 315 90% 370	Viscosity (25 °C) 40 000 - 100 000 cP	Polyester, Rigid Polyurethane, Unsaturated Polyester, Epoxy Resin, Textile, Adhesive
AP 810 AP 810 G (GRANULAR)		CAS: 84852-53-9 Molecular Formula: C ₁₄ H ₄ Br ₁₀ Bromine Content: > 81.5% Molecular Weight: 971.2 g/mol		1% 350 5% 387 10% 408	Melting temperature ≥ 345 °C	PP, PE, TPO, ABS, PVC, EPDM, HIPS, PC/ABS, Polyester, TPU, PPO/HIPS, PA, PBT, PET, PC, Epoxy resin, Phenolic Resin, Adhesive, Coating - Paint, Textile - Back Coating, Unsaturated Polyester, SAN, Silicone, PE/EVA - XLPE/ EVA - SMC/ BMC, Rubber (NBR, SBR, Natural, Etc.)
AP 1300 SF		Tetrabromobisphenol-A-bis-(2,3-dibromo,2-methylpropylether) CAS: 97416-84-7 Molecular Formula: C ₂₃ H ₂₄ Br ₈ O ₂ Bromine Content: > 65% Molecular Weight: 971.7 g/mol		1% 254 5% 275 10% 282	Melting temperature ≥ 100 °C	HIPS, EPS, XPS, PP, Textile - Back Coating, Rubber
AP 1310 AP 1310 G (GRANULAR)		Brominated Polystyrene CAS: 88497-56-7 Repeating Unit Formula: (C ₈ H _{8-y} Br _y) _n Bromine Content: > 66% Chloride Content: 50 ppm max				Under development
AP 1710 AP 1710 G (GRANULAR)		Brominated Polystyrene CAS: 88497-56-7 Repeating Unit Formula: (C ₈ H _{8-y} Br _y) _n Bromine Content: > 66% Free Bromine: 10 ppm max		1% 327 5% 368 10% 379	Softening range 180 - 200 °C	HIPS, PC/ABS, PPO/HIPS, Polyester, Unsaturated Polyester, PA, HTPA, PC
AP 800		Brominated Polystyrene CAS: 88497-56-7 Repeating Unit Formula: (CH ₈ H _{8-y} Br _y) _n Bromine Content: > 66% Free Bromine: 10 ppm max Molecular Weight: customized		1% 327 5% 368 10% 379	Softening range 180 - 200 °C	HIPS, PC/ABS, PPO/HIPS, PVC, Polyester, Unsaturated Polyester, PA, HTPA, PC, Textile-Back Coating
AP 510		1,1'-isopropylidenebis[4-(allyloxy)-3,5-dibromobenzene] CAS: 25327-89-3 Molecular Formula: C ₂₁ H ₂₀ Br ₄ O ₂ Bromine Content: > 51% Molecular Weight: 624 g/mol		1% 211 5% 224 10% 238	Melting temperature ≥ 115 °C	EPS, Unsaturated Polyester, Coating - Paint, Textile - Back Coating, Adhesive

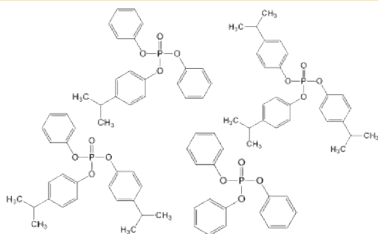
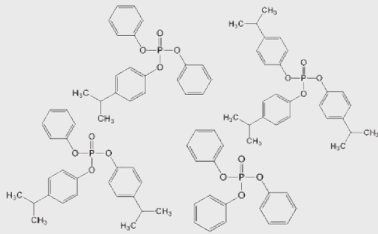
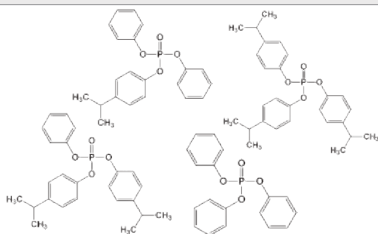
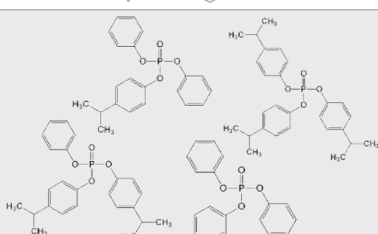
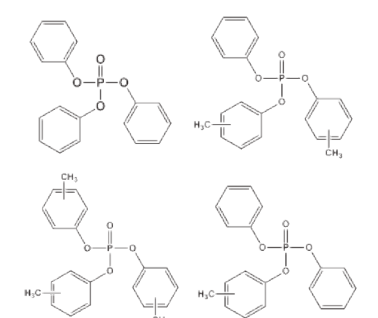
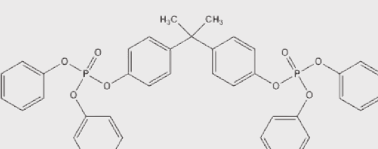
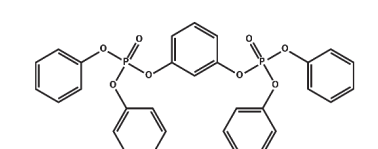
BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @ °C)	PROPERTIES	APPLICATION AND USE
AP 5130		Trisbromoneopentyl alcohol CAS: 36483-57-5 Molecular Formula: C ₅ H ₉ Br ₃ O Bromine Content: > 73% Molecular Weight: 324.9 g/mol		1% 164 5% 180 10% 198	Melting temperature ≥ 64 °C	Rigid PU, Flexible PU, TPU
AP 5220		Dibromoneopentyl glycol CAS: 3296-90-0 Molecular Formula: C ₅ H ₁₀ Br ₂ O ₂ Bromine Content: > 60% Molecular Weight: 261.9 g/mol		1% 207 5% 224 10% 243	Melting temperature ≥ 109 °C	Rigid PU, Flexible PU, TPU, Unsaturated Polyester
AP 1969		Tetrabromobisphenol A CAS: 79-94-7 Molecular Formula: C ₁₅ H ₁₂ Br ₄ O ₂ Bromine Content: > 58% Molecular Weight: 543.9 g/mol		5% 249 10% 265 50% 312	Melting temperature ≥ 180 °C	ABS, Unsaturated Polyester, Coating - Paint, Epoxy Resin, Phenolics Resin, PC
AP 1968 AP 1968 G (GRANULAR)		Tetrabromobisphenol A bis (2,3-Dibromopropyl Ether) CAS: 21850-44-2 Molecular Formula: C ₂₁ H ₂₀ Br ₈ O ₂ Bromine Content: > 67% Molecular Weight: 943.6 g/mol		5% 295 10% 303 70% 442	Melting temperature ≥ 110 °C	PP, PE, PVC, HIPS, ABS, XPS, EPS, TPU, Textile - Back Coating
AP 1965 S		Bis[3,5-dibromo-4-(2,3-dibromopropoxy)phenyl]sulphone CAS: 42757-55-1 Molecular Formula: C ₁₈ H ₁₄ Br ₈ O ₄ S Bromine Content: > 64% Molecular Weight: 965.5 g/mol		1% 280 5% 302 10% 315 70% 510	Melting temperature ≥ 105 °C	PP, PE, PVC, HIPS, ABS, XPS, EPS, TPU, Textile - Back Coating
AP 729		Tris(2,3-dibromopropyl) isocyanurate CAS: 52434-90-9 Molecular Formula: C ₁₂ H ₁₅ Br ₆ O ₃ N ₃ Bromine Content: > 65% Molecular Weight: 729 g/mol		1% 287 5% 315 10% 327 70% 357	Melting temperature ≥ 105 °C	PP, PE, HIPS, TPO, EPDM, ABS, PC/ABS, PPO/HIPS, XPS, EPS, Textile - Back Coating, Adhesive, Rubber (NBR, SBR, Natural, Etc.)
AP 245		2,4,6-Tris-(2,4,6-tribromophenoxy)-1,3,5-triazine CAS: 25713-60-4 Molecular Formula: C ₂₁ H ₆ Br ₉ N ₃ O ₃ Bromine Content: > 66% Molecular Weight: 1067 g/mol		1% 350 5% 390 10% 400	Melting temperature ≥ 228 °C	ABS, HIPS, SAN, PVC
AP 2930		Ethylene bis(tetrabromo-phthalimide) CAS: 32588-76-4 Molecular Formula: C ₁₈ H ₄ Br ₈ N ₂ O ₄ Bromine Content: > 65.5% Molecular Weight: 951.5 g/mol		1% 345 5% 420 10% 437 50% 460	Melting temperature ≥ 450 °C	PP, PE, EPDM, ABS, TPO, PVC, HIPS, PPO, SAN, Silicene, Unsaturated Polyester, Epoxy Resin, Adhesive, Coating, Textile, Rubber

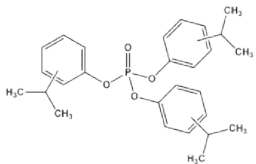
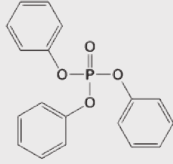
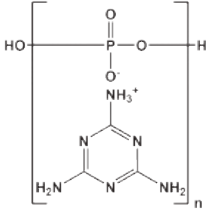
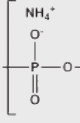
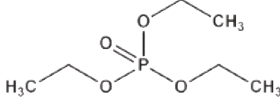
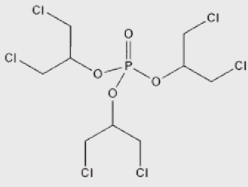
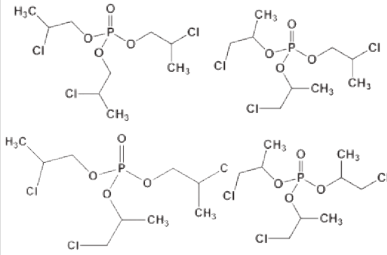
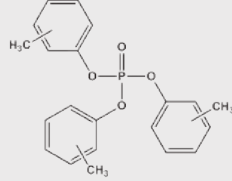


Available on the Italian Stock - Prompt Delivery



Available upon request

BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @ °C)	PROPERTIES	APPLICATION AND USE
EVERFOS 1350		Isopropylated Triaryl Phosphate CAS: 68937-41-7 Molecular Formula: C ₂₇ H ₃₃ O ₄ P Phosphorus Content: 8.6% Molecular Weight: 452.52 g/mol		5% 230 10% 245 50% 289	Viscosity (25 °C) 42 - 52 cP	EPDM, HIPS, PVC, PC/ ABS, PPO/HIPS, Rigid PU, Flexible PU, TPU, Epoxy Resin, Phenolic Resin, PC, Coating- Paint, Adhesive, Rubber, Textile - Back Coating
EVERFOS 1500		Isopropylated Triaryl Phosphate CAS: 68937-41-7 Molecular Formula: C ₂₇ H ₃₃ O ₄ P Phosphorus Content: 8.3% Molecular Weight: 452.52 g/mol		5% 225 10% 241 50% 283	Viscosity (25 °C) 48 - 64 cP	EPDM, Flexible PU foam, Rigid PU, Flexible PU, TPU, Epoxy Resin, Phenolic Resin, Adhesive, Rubber
EVERFOS 1650		Isopropylated Triaryl Phosphate CAS: 68937-41-7 Molecular Formula: C ₂₇ H ₃₃ O ₄ P Phosphorus Content: 8.1% Molecular Weight: 452.52 g/mol		5% 227 10% 241 50% 282	Viscosity (25 °C) 64 - 76 cP	EPDM, PVC, Flexible PU Foam, Rigid PU, Flexible PU, TPU, Epoxy Resin, Phenolic Resin, Adhesive, Rubber
EVERFOS 1950		Isopropylated Triaryl Phosphate CAS: 68937-41-7 Molecular Formula: C ₂₇ H ₃₃ O ₄ P Phosphorus Content: 7.6% Molecular Weight: 452.52 g/mol		5% 240 10% 256 50% 298	Viscosity (25 °C) 95 - 114 cP	EPDM, PVC, Flexible PU Foam, Rigid PU, Flexible PU, TPU, Epoxy Resin, Phenolic Resin, Adhesive, Rubber, Coating -Paint, Textile - Back Coating
EVERFOS CDP		Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3- methylphenyl) phenyl phosphate, 3- methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate EC: 945-730-9 [formerly Cresyl Diphenyl Phosphate, CAS: 26444-49-5] Phosphorus Content: 9.1% min. Molecular Weight Range: 326.3 - 354.3 g/mol		5% 205 10% 226 50% 275	Viscosity (25 °C) 44 - 49 cP	PVC, Rigid PU, Flexible PU, TPU, Epoxy Resin, Phenolic Resin, Rubber
EVERFOS BP (BDP)		(1-methylethylidene)di-4,1-phenylenetetraphenyl diphosphate CAS: 5945-33-5 Molecular Formula: C ₃₉ H ₃₄ O ₈ P ₂ Phosphorus Content: 8.9% Molecular Weight: 692.63 g/mol		5% 380 10% 403 50% 454	Viscosity (40 °C) 1800 - 2600 cP	EPDM, HIPS, PC/ABS, PPE/ HIPS, TPU, Epoxy Resin, PC
EVERFOS RDP		Tetraphenyl m-phenylene bis(phosphate) CAS: 57583-54-7 Molecular Formula: C ₃₀ H ₂₄ O ₈ P ₂ Phosphorus Content: > 10.8% Molecular Weight: 574.46 g/mol		5% 312 10% 340 50% 395	Viscosity (25 °C) 500 - 800 cP	EPDM, HIPS, PC/ABS, PPE/ HIPS, TPU, Epoxy Resin, PC

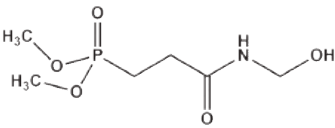
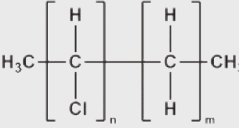
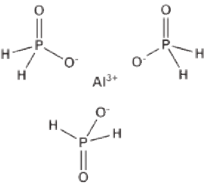
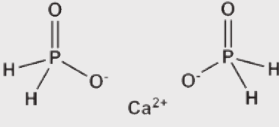
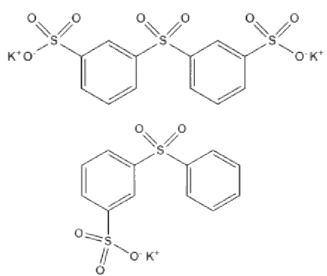
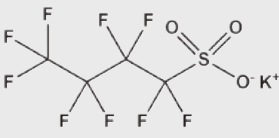
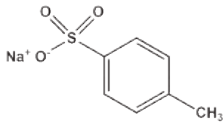
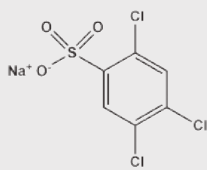
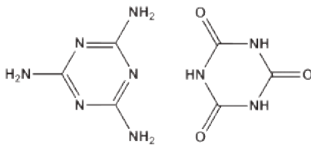
BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @ °C)	PROPERTIES	APPLICATION AND USE
EVERFOS 1000		Isopropylated Triaryl Phosphate CAS: 68937-41-7 EC: 273-066-3 Molecular Formula: C ₂₁ H ₂₄ O ₄ P Phosphorus Content: 6.8-6.9% Molecular Weight: 452.2 g/mol		1% 218 5% 269 10% 292	Viscosity (25 °C) 600 - 1500 cP	EPDM, Flexible PU foam, Rigid PU, Flexible PU, TPU, Epoxy Resin, Phenolic Resin, Adhesive, Rubber
EVERFOS TP (TPP)		Triphenyl phosphate CAS: 115-86-6 Molecular Formula: C ₁₈ H ₁₅ O ₄ P Phosphorus Content: 9.5% Purity: ≥ 99% Molecular Weight: 326.3 g/mol		5% 220 10% 234 50% 279	Melting temperature ≥ 47 °C	PP, PE, EPDM, PVC, PC/ABS, HIPS, PPO/HIPS, Epoxy Resin, TPU, Flexible PU, Rigid PU, Phenolic Resin, PC, Textile- Back Coating, Adhesive, Rubber
EVERFLAM MPP-109		Melamine Polyphosphate CAS: 218768-84-4 Molecular Formula: (C ₃ H ₆ N ₆ (H ₃ PO ₄)) _n Phosphorus content: 12 - 15% Nitrogen content: 39 - 44%		5% 385 10% 399 50% 554	-	PE, PP, PBT/PET, PA6/PA66, Epoxy Resins, TPO, TPU
EVERFLAM APP (SERIES)		Ammonium Polyphosphate n>1000 CAS: 68333-79-9 Repeating Unit Formula: (NH ₄ PO ₃) _n Phosphorus content: 31 - 32% Nitrogen content: 14 - 15%		-	Decomposition temperature >275 °C	Rigid PU, Flexible PU, TPU, Epoxy Resin, Coating - Paint
EVERFOS TEP		Triethyl phosphate CAS: 78-40-0 Molecular Formula: C ₆ H ₁₅ O ₄ P Phosphorus content: 17% Molecular Weight: 182.15 g/mol Purity: ≥ 99%		-	Viscosity (25 °C) 1 - 2 cP	Rubber and Plastic
EVERFOS TDCPP		Tris(1,3-dichloroisopropyl)phosphate CAS: 13674-87-8 Molecular Formula: C ₉ H ₁₅ Cl ₆ O ₄ P Phosphorus Content: 7.1% Chlorine Content: 47% Molecular Weight: 430.91 g/mol		1% 191 5% 225 10% 240	Viscosity (25 °C) 1000 - 1100 cP	Rigid PU, Flexible PU, TPU, Phenolic Resin, Epoxy Resin
EVERFOS TCPP		Reaction products of phosphoryl trichloride and 2-methyloxirane CAS: 1244733-77-4 Molecular Formula: C ₉ H ₁₈ Cl ₃ O ₄ P Phosphorus Content: > 9% Chlorine Content: ≥ 32% Molecular Weight: 327.57 g/mol		1% 173 5% 188 10% 228	Viscosity (25 °C) 60 - 72 cP	Rigid PU, Flexible PU, Epoxy Resin
EVERFOS TCP		Tricresyl phosphate CAS: 1330-78-5 Molecular Formula: C ₂₁ H ₂₁ O ₄ P Phosphorus Content: 8.4% Molecular Weight: 368.37 g/mol		5% 222 10% 239 50% 289	Viscosity (25 °C) 50 - 70 cP	PVC, Polyester, Phenolic Resin

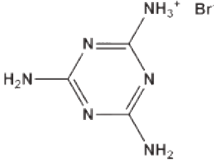
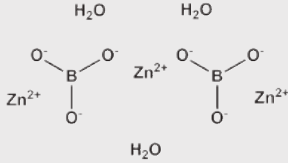
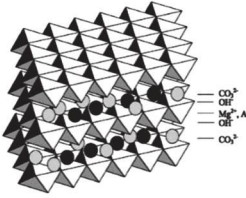
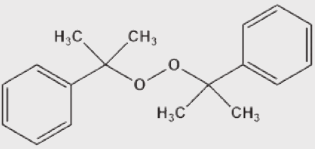
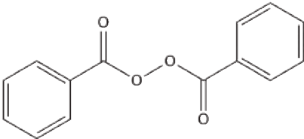
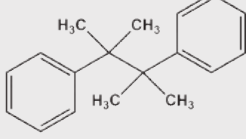
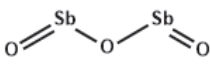


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BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @ °C)	PROPERTIES	APPLICATION AND USE
EVERFOS CP		Dimethyl [3-[(hydroxymethyl)amino]-3-oxopropyl]phosphonate CAS: 20120-33-6 Molecular Formula: C ₆ H ₁₄ N ₀₅ P Phosphorus Content: > 12% Molecular Weight: 211.15 g/mol		-	Viscosity (25 °C) 1100 - 1300 cP	Cotton Textile
CP 70 XF CP 70 XF G (GRANULAR)		Chlorinated Paraffin CP-70 CAS: 63449-39-8 Chlorine Content: 70 - 73%		Heat Decomposition Temperature: 180 - 210 °C	Softening range 100 - 110 °C	PP, PE, TPQ, EPDM, PVC, HIPS, ABS, XPS, Unsaturated Polyester, Coating - Paint, Rubber, Textile - Back Coating, PE/EVA, XLPE/EVA - SMC/BMC
EVERFLAM HPAL		Aluminium Hypophosphite CAS: 7784-22-7 Molecular Formula: Al(H ₂ PO ₂) ₃ Molecular Weight: 221.95 g/mol		-	-	PE, PP, PVC, XPS, EPS, Rigid PU, Flexible PU, TPU, Unsaturated PO, PBT, Paint, Coating - Paint, Textile - Back Coating, PE/EVA XLPE/EVA - SMC/BMC
EVERFLAM HPCA		Calcium Hypophosphite CAS: 7789-79-9 Molecular Formula: Ca(H ₂ PO ₂) ₂ Molecular Weight: 170.06 g/mol		-	-	PE, PP, PVC, XPS, EPS, Rigid PU, Flexible PU, TPU, PBT, Paint, Coating, Textile, PE/EVA, XLPE/EVA - SMC/BMC
EVERFLAM KSS		Sulphonylbis(benzenesulphonate) and potassium 3- (phenylsulphonyl) benzenesulphonate EC: 915-932-1 Molecular Formula: C ₁₂ H ₈ O ₈ S ₃ .2K and C ₁₂ H ₉ O ₅ S ₂ .K Purity: KSS 70 - 72% DKSS 28 - 30% Molecular Weight Range: 354 - 360 g/mol		-	-	PC/ABS, PC
EVERFLAM SK 225		Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate CAS: 29420-49-3 Molecular Formula: C ₄ HF ₉ O ₃ S.K Purity: 98% Molecular Weight: 338.19 g/mol		-	Melting temperature > 280 °C	PC/ABS, PC
EVERFLAM STS		Sodium Toluenesulphonate CAS: 12068-03-0 Molecular Formula: C ₇ H ₇ O ₃ S.Na Purity: 99% Molecular Weight: 194.19 g/mol		-	-	PC/ABS, PC
EVERFLAM STBS		Sodium 2,4,5-Trichlorobenzenesulphonate CAS: 53423-65-7 Molecular Formula: C ₆ H ₃ Cl ₃ O ₃ S.Na Purity: ≥ 99% Molecular Weight: 283.49 g/mol		-	-	PC/ABS, PC
EVERMEL ACTIVE (SERIES) EVERMEL ACTIVE G (GRANULAR)		Melamine Cyanurate CAS: 37640-57-6 Molecular Formula: C ₃ H ₆ N ₆ .C ₃ H ₃ N ₃ O ₃ Purity: ≥ 99.5% Molecular Weight: 255.2 g/mol		1% 328 5% 357 10% 372	Various particle size ranges	PP, PE, Rigid PU, Flexible PU, TPU, Unsaturated PO, Epoxy Resin, PA, HTPA

BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @ °C)	PROPERTIES	APPLICATION AND USE
EVERMEL MHB 34		1,3,5-triazine-2,4,6-triyltri-amine, monohydrobromide EC: 403-290-0 Molecular Formula: C ₃ H ₇ BrN ₆ Bromine Content: 33 - 36% Molecular Weight: 207 g/mol		5% 274 10% 295 50% 358	-	Polypropylene
ZINC BORATE PLUS XF RHP-C		Zinc Borate Hydrate CAS: 138265-88-0 Molecular Formula: 2ZnO.3B2O3.3.5H2O B2O3 Content: 47 - 49% ZnO Content: 37 - 40% Molecular Weight: 434.6 g/mol		1% 320 5% 377 10% 430	Dehydration temperature > 290 °C	PP, PE, TPO, EPDM, PVC, HIPS, ABS, PC/ABS, PPO/HIPS, Polyester, Phenolic Resin, PA, HTPA, PC, Coating - Paint, Textile - Back Coating, Adhesive, Rubber, Silicone, PE/EVA XLPE/EVA - SMC/BMC
EVERSTAB HDT 400		Hydrotalcite CAS: 11097-59-9 Molecular Formula: Mg ₆ Al ₂ (CO ₃)(OH) ₁₆ ·4(H ₂ O) Purity: 98% Molecular Weight: 603.98 g/mol		5% 189 10% 220 50% 584	Decomposition temperature > 250 °C	PP, PE, TPO, ABS, PVC, EPDM, HIPS, PC/ABS, Polyester, TPU, PPO/HIPS, PA, PBT, PET, PC, Epoxy Resin, Phenolic Resin, Adhesive, Coating - Paint, Textile - Back Coating, Unsaturated Polyester, SAN, Silicone, PE/ EVA - XLPE/EVA - SMC/ BMC, XPS, EPS, Rigid PU, Flexible PU, HTPA
EVERMYL DCP		Dicumyl Peroxide CAS: 80-43-3 Molecular Formula: C ₁₈ H ₂₂ O ₂ Purity: 99% Molecular Weight: 270.37 g/mol		-	Melting temperature ≥ 39 °C	EPDM, EPM, SBR, Cross-Linking Initiator for PE, PVC, EVA, CPE, EPS, BMC, SMC
EVERMYL BPO 75		Dibenzoyl peroxide CAS: 94-36-0 Molecular Formula: C ₁₄ H ₁₀ O ₄ Dibenzoyl peroxide content: 73 - 76% Molecular Weight: 242.23 g/mol		-	Melting range 103 - 108 °C	EPS, XPS, PVC, EVA, Paint, Rubber
EVERMYL 96		2,3-Dimethyl-2,3-Diphenyl butane CAS: 1889-67-4 Molecular Formula: C ₁₈ H ₂₂ Purity: > 98.5% Molecular Weight: 238.36 g/mol		-	Melting range 116 - 120 °C	PP, PE, TPO, EPDM, HIPS, ABS, PC/ABS, PPO/HIPS, XPS, EPS, Polyester
ANTIMONY TRIOXIDE (ATO)		Diantimony trioxide CAS: 1309-64-4 Molecular Formula: Sb ₂ O ₃ Purity: 99.8% Molecular Weight: 291.5 g/mol		-	Various particle size ranges	PP, PE, TPO, EPDM, PVC, HIPS, ABS, PC/ABS, PPO/HIPS, Polyester, Phenolic Resin, PA, HTPA, PC, Coating - Paint, Textile - Back Coating, Adhesive, Rubber, Silicone, PE/EVA



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BLENDS AND MASTERBATCHES

BRAND NAME	STOCK	PROPERTIES	DESCRIPTION AND APPLICATIONS
ATOFLAMIX SERIES		Active content: ≥85% Appearance: white to off-white granules	Series of masterbatches with antimony trioxide and synergistics that can replace 1-to-1 antimony trioxide in form of powder. Available in different carriers: PE, EVA, CPE, EBA Available as 85% and 90% masterbatch.
ATO-TLA SERIES		Antimony content: ≤60% Appearance: white powder	Series of product with low antimony trioxide content similar to ATOFLAMIX but in powder form
ATOFLAM XL5		Antimony content: ≤50% Appearance: white powder	Product with low antimony trioxide content similar to ATOFLAMIX but in powder form especially formulated for XLPE
EVERFLAM SF		P content: 7,5% Br content: 10% Appearance: clear/light yellow liquid	Liquid blend of flame retardants used as replacement of ATO, mostly in PVC applications
EVERBLEND 1090 EVERFLAM HF-1114		Decomposition temperature: >270 °C P content: 21% N content: 24% Appearance: white powder	Non-halogenated flame retardant used to achieve UL94 V-0 rating on PP and PE formulations
EVERFLAM 624		Decomposition temperature: >250 °C P content: 24% N content: 19% Appearance: white powder	Non-halogenated flame retardant for PE cables
EVERBLEND DCP20		Active content: 20% Appearance: white granules	Masterbatch of Dicumyl Peroxide in PE
EVERBLEND ALB 11		P content: 24,5% Br content: 11% N content: 6,5% Appearance: white powder	Blend of flame retardants used to achieve UL94 V-2 on polyolefins (PPH and PPC, LDPE,LLDPE, HDPE)
EVERBLEND SBL67 SERIES		ATO: ≤ 1,5% Appearance: white granules	Blend of brominated flame retardant and synergists used to achieve UL94 V-0 on polyolefins (PPH and PPC, LDPE,LLDPE, HDPE); masterbatch PE and PP
EVERBLEND BNP SERIES		Br content: 48% N content: 5% Appearance: compacted white powder	Blend of brominated flame retardants and synergistic developed to reach UL94 V-0 with formulations based on Polyolefins, HIPS, PVC and PVC/NBR
EVERBLEND P351		Active content: 70% Appearance: white to off-white granules	Blend of brominated flame retardant and synergistics used to achieve UL94 V-0 on polyolefins (PPH and PPC, LDPE, HDPE, XLPE, HIPS, etc.) Masterbatch PE based
EVERBLEND X40		Active content: 40% Appearance: granules	Polystyrene based masterbatch specifically developed for XPS and HIPS applications
EVERFLAM FBL		P content: 6,7% Appearance: white powder	Non-halogenated flame retardant used to achieve UL94 V-0 for PC and PC/ABS

If you don't find the desired product in this product guide, don't hesitate to contact us by phone or mail.
We are at your disposal to find the proper solution to all your needs.



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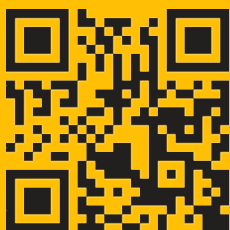
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