



EVERKEM  
FLAME RETARDANTS & ADDITIVES

**PRODUCT GUIDE**  
FLAME RETARDANTS

**everkem.com**

# 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.


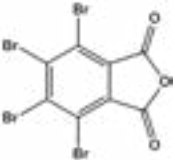

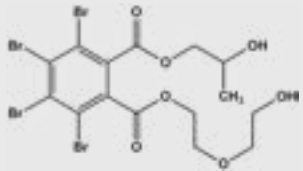

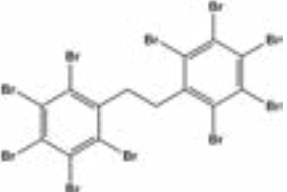

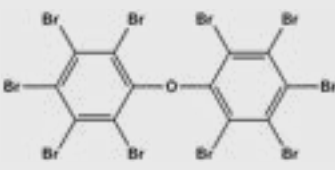

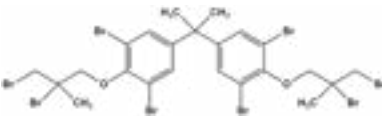

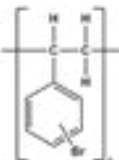

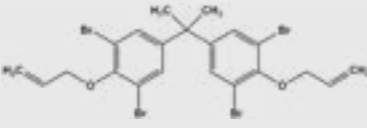
### ENVIRONMENT PROTECTION




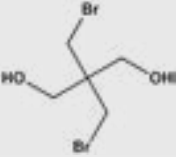

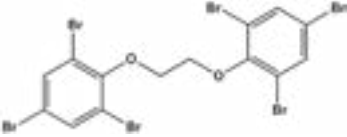

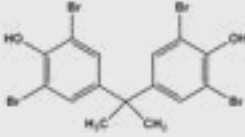

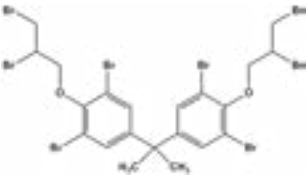

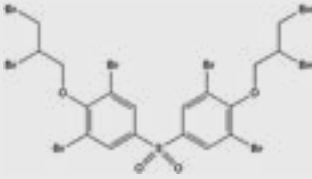

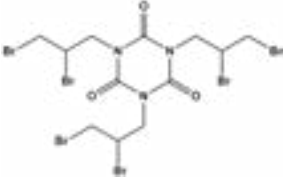

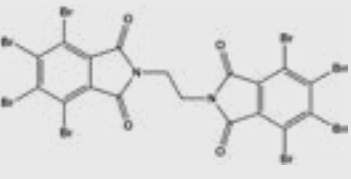
Flame retardants help protecting the flora and fauna by limiting the spreading of fire.






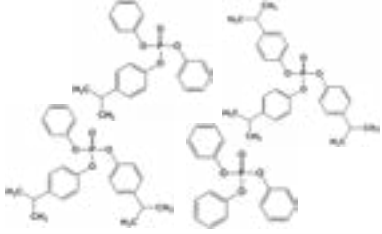

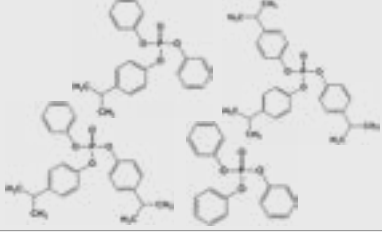

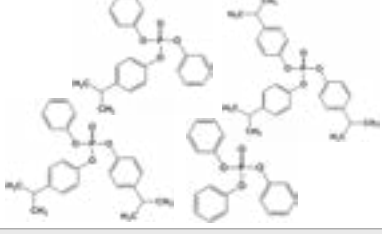

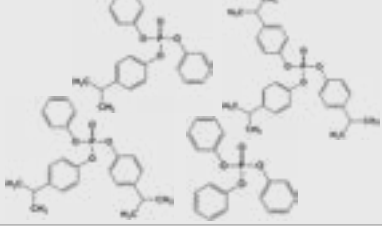

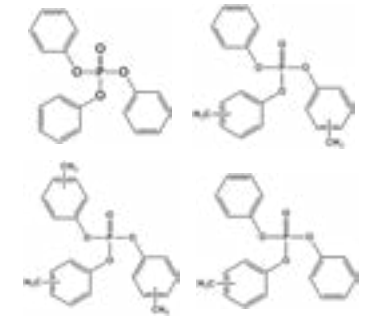

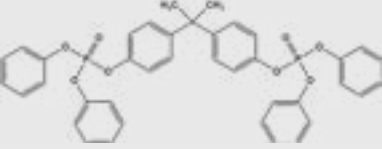

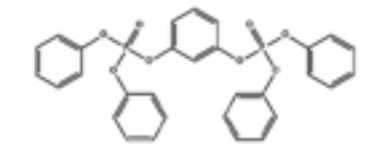
	CP 70 XF	CP 70 XF G (Granular)	EVERFLAM HPAL	EVERFLAM HPCA	EVERFLAM KSS	EVERFLAM SK 225	EVERFLAM STS	EVERFLAM STBS	EVERMEL AKTIVE (Series)	EVERMEL AKTIVE G (Granular)	EVERMEL MHB 34	ZINC BORATE "Plus XF RHP-C"	EVERSTAB HDT 400	EVERMYL DCP	EVERMYL BPO 75	EVERMYL 96	ANTIMONY TRIOXIDE (A10)	EVERMAG (Series)
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	○	○	○	○								○	○	○	○		○	○


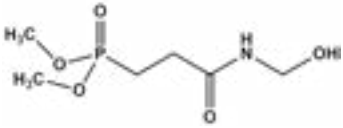

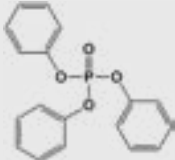

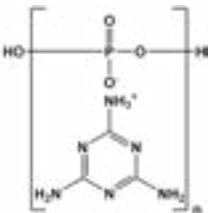

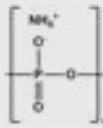

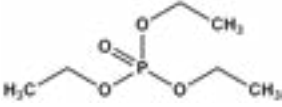

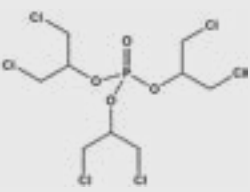

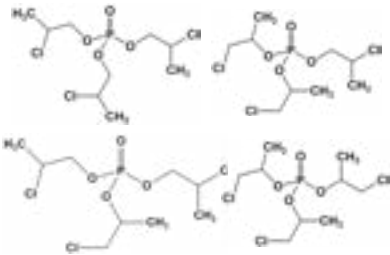

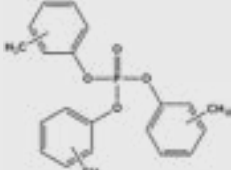
BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @°C)	PROPERTIES	APPLICATION AND USE
AP 400		Tetrabromophthalic Anhydride CAS: 632-79-1 Molecular Formula: C <sub>8</sub> Br <sub>4</sub> O <sub>3</sub> Bromine Content: > 68% Molecular Weight: 463.7 g/mol		1% 212 5% 229 10% 242	Melting range 273 - 276 °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 <sub>15</sub> H <sub>16</sub> Br <sub>4</sub> O <sub>7</sub> Bromine Content: > 44% Molecular Weight: 627 g/mol		5% 132 10% 164 50% 315 90% 370	Viscosity (25 °C) 40.000 - 60.000 cP	Polyester, Rigid Polyurethane, Unsaturated Polyester, Epoxy Resin, Textile, Adhesive
AP 810 AP 810 G (GRANULAR)		CAS: 84852-53-9 Molecular Formula: C <sub>14</sub> H <sub>4</sub> Br <sub>10</sub> Bromine Content: > 81.5% Molecular Weight: 971.2 g/mol		1% 322 5% 353 10% 370	Stable up to 354 °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 1210 XF		Decabromodiphenyl Oxide CAS: 1163-19-5 Molecular Formula: C <sub>12</sub> Br <sub>10</sub> O Bromine Content: > 82% Molecular Weight: 959.2 g/mol		1% 305 5% 332 10% 349	Melting temperature ≥ 300 °C	Substance included in Annex XVII to REACH, Restriction List. As per Commission Regulation (EU) 2017/227 of 9 February 2017, the substance shall not be manufactured or placed on the market as a substance, as a constituent of a mixture or of an article after 2 March 2019. Exceptions apply in the production of an aircraft before 2 March 2027 and in the production of spare parts for aircraft, motor vehicles, agricultural and forestry vehicles
AP 1300 SF		Tetrabromobisphenol-A-bis-(2,3-dibromo,2-methylpropylether) CAS: 97416-84-7 Molecular Formula: C <sub>23</sub> H <sub>24</sub> Br <sub>8</sub> O <sub>2</sub> Bromine Content: > 65% Molecular Weight: 971.7 g/mol		5% 260 10% 270 50% 292	Melting range 100 - 110 °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 <sub>8</sub> H <sub>8</sub> -y Br <sub>y</sub> ) <sub>n</sub> 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 <sub>8</sub> H <sub>8</sub> -y Br <sub>y</sub> ) <sub>n</sub> Bromine Content: > 66% Free Bromine: 10 ppm max		1% 327 5% 368 10% 379	Softening range 225 - 250 °C	HIPS, PC/ABS, PPO/HIPS, Polyester, Unsaturated Polyester, PA, HTPA, PC
AP 510		1,1'-isopropylidenebis[4-(allyloxy)-3,5-dibromobenzene] CAS: 25327-89-3 Molecular Formula: C <sub>21</sub> H <sub>20</sub> Br <sub>4</sub> O <sub>2</sub> Bromine Content: > 51% Molecular Weight: 624 g/mol		1% 211 5% 224 10% 238	Melting range 118 - 125 °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 <sub>5</sub> H <sub>9</sub> Br <sub>3</sub> O Bromine Content: > 73% Molecular Weight: 324.9 g/mol		1% 164 5% 180 10% 198	Melting temperature ≥ 62 °C	Rigid PU, Flexible PU, TPU
AP 5220		Dibromoneopentyl glycol CAS: 3296-90-0 Molecular Formula: C <sub>5</sub> H <sub>10</sub> Br <sub>2</sub> O <sub>2</sub> 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 1680		Bis(tribromophenoxy)ethane CAS: 37853-59-1 Molecular Formula: C <sub>14</sub> H <sub>8</sub> Br <sub>6</sub> O <sub>2</sub> Bromine Content: > 67% Molecular Weight: 687.6 g/mol		5% 276 10% 291 50% 329	Melting range 223 - 228 °C	EPDM, HIPS, ABS, SAN, Adhesive, Coating - Paint
AP 1969		Tetrabromobisphenol A CAS: 79-94-7 Molecular Formula: C <sub>15</sub> H <sub>12</sub> Br <sub>4</sub> O <sub>2</sub> 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 <sub>21</sub> H <sub>20</sub> Br <sub>8</sub> O <sub>2</sub> Bromine Content: > 67% Molecular Weight: 943.6 g/mol		5% 295 10% 303 70% 442	Melting range 107 - 113 °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 <sub>18</sub> H <sub>14</sub> Br <sub>8</sub> O <sub>4</sub> S Bromine Content: > 64% Molecular Weight: 965.5 g/mol		1% 280 5% 302 10% 315 70% 510	Melting range 115 - 120 °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 <sub>12</sub> H <sub>15</sub> Br <sub>6</sub> N <sub>3</sub> O <sub>3</sub> Bromine Content: > 65% Molecular Weight: 729 g/mol		1% 230 5% 253 10% 262 70% 314	Melting range 105 - 115 °C	PP, PE, HIPS, TPO, EPDM, ABS, PC/ABS, PPO/HIPS, XPS, EPS, Textile - Back Coating, Adhesive, Rubber (NBR, SBR, Natural, Etc.)
AP 2930		Ethylene bis(tetrabromo-phthalimide) CAS: 32588-76-4 Molecular Formula: C <sub>18</sub> H <sub>4</sub> Br <sub>8</sub> N <sub>2</sub> O <sub>4</sub> 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, Silicone, Unsaturated Polyester, Epoxy Resin, Adhesive, Coating, Textile, Rubber





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 <sub>27</sub> H <sub>33</sub> O <sub>4</sub> 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 <sub>27</sub> H <sub>33</sub> O <sub>4</sub> 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 <sub>27</sub> H <sub>33</sub> O <sub>4</sub> 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 <sub>27</sub> H <sub>33</sub> O <sub>4</sub> P Phosphorus Content: 7.8% 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) 45 - 50 cP	PVC, Rigid PU, Flexible PU, TPU, Epoxy Resin, Phenolic Resin
EVERFOS BP (BDP)		(1-methylethylidene)di-4,1-phenylenetetraphenyl diphosphate CAS: 5945-33-5 Molecular Formula: C <sub>39</sub> H <sub>34</sub> O <sub>8</sub> P <sub>2</sub> 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 <sub>30</sub> H <sub>24</sub> O <sub>8</sub> P <sub>2</sub> 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


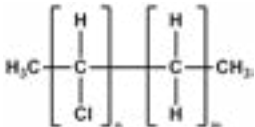

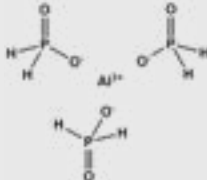

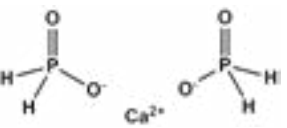

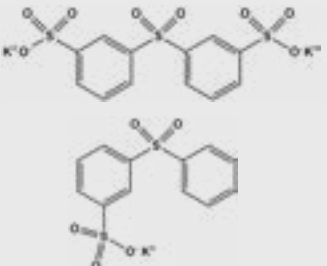

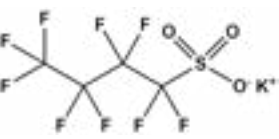

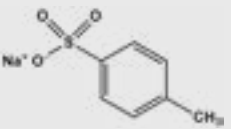

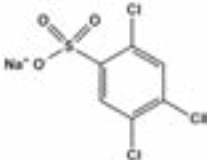

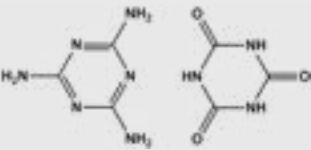
BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @ °C)	PROPERTIES	APPLICATION AND USE
EVERFOS CP		Dimethyl [3-((hydroxymethyl)amino)-3-oxopropyl]phosphonate CAS: 20120-33-6 Molecular Formula: C <sub>6</sub> H <sub>14</sub> N <sub>1</sub> O <sub>5</sub> P Phosphorus Content: > 12% Molecular Weight: 211.15 g/mol		-	Viscosity (25 °C) 1100 - 1300 cP	Cotton Textile
EVERFOS TP (TPP)		Triphenyl phosphate CAS: 115-86-6 Molecular Formula: C <sub>18</sub> H <sub>15</sub> O <sub>4</sub> P Phosphorus Content: 9.5% Purity: ≥ 99% Molecular Weight: 326.3 g/mol		5% 220 10% 234 50% 279	Melting range 48 - 50 °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 <sub>3</sub> H <sub>6</sub> N <sub>6</sub> (H <sub>3</sub> PO <sub>4</sub> ) <sub>n</sub> ) Phosphorus content: 12 - 15% Nitrogen content: 39 - 44%		5% 385 10% 399 50% 554	Decomposition temperature >350 °C	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 <sub>4</sub> PO <sub>3</sub> ) <sub>n</sub> 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 <sub>6</sub> H <sub>15</sub> O <sub>4</sub> P Phosphorus content: 17% Molecular Weight: 182.15 g/mol Purity: ≥ 99%		-	Viscosity 1.46 cSt	Rubber and Plastic
EVERFOS TDCPP		Tris(1,3-dichloroisopropyl)phosphate CAS: 13674-87-8 Molecular Formula: C <sub>9</sub> H <sub>15</sub> Cl <sub>3</sub> O <sub>4</sub> P Phosphorus Content: 7.1% Chlorine Content: 47% Molecular Weight: 430.91 g/mol		1% 191 5% 225 10% 240	Viscosity (25 °C) 1050 ± 150 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 <sub>9</sub> H <sub>18</sub> Cl <sub>3</sub> O <sub>4</sub> P Phosphorus Content: > 9% Chlorine Content: ≥ 32% Molecular Weight: 327.57 g/mol		1% 173 5% 188 10% 228	Viscosity (20 °C) 65 - 72 cP	Rigid PU, Flexible PU, Epoxy Resin
EVERFOS TCP		Tricresyl phosphate CAS: 1330-78-5 Molecular Formula: C <sub>21</sub> H <sub>21</sub> O <sub>4</sub> 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


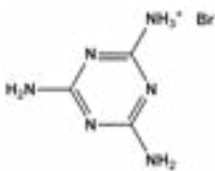

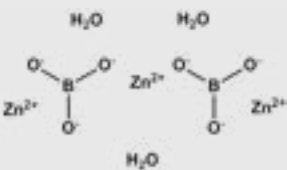

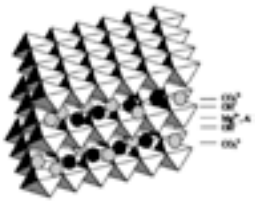

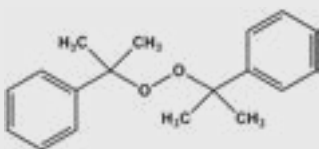

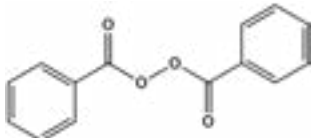

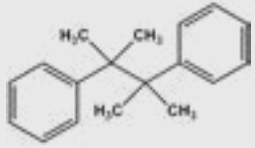

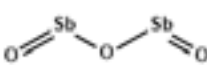



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BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	TGA (% mass loss @ °C)	PROPERTIES	APPLICATION AND USE
<b>CP 70 XF CP 70 XF G (GRANULAR)</b>		Chlorinated Paraffin CP-70 CAS: 63449-39-8 Chlorine Content: 70 - 73%		Heat Decomposition Temperature: 180 - 210 °C	Softening point ≥ 100 °C	PP, PE, TPO, EPDM, PVC, HIPS, ABS, XPS, Unsaturated Polyester, Coating - Paint, Rubber, Textile - Back Coating, PE/EVA, XLPE/EVA - SMC/BMC
<b>EVERFLAM HPAL</b>		Aluminium Hypophosphite CAS: 7784-22-7 Molecular Formula: Al(H <sub>2</sub> PO <sub>2</sub> ) <sub>3</sub> 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
<b>EVERFLAM HPCA</b>		Calcium Hypophosphite CAS: 7789-79-9 Molecular Formula: Ca(H <sub>2</sub> PO <sub>2</sub> ) <sub>2</sub> 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
<b>EVERFLAM KSS</b>		Sulphonylbis(benzenesulphonate) and potassium 3-(phenylsulphonyl) benzenesulphonate EC: 915-932-1 Molecular Formula: C <sub>12</sub> H <sub>8</sub> O <sub>8</sub> S <sub>3</sub> .2K and C <sub>12</sub> H <sub>9</sub> O <sub>5</sub> S <sub>2</sub> .K Purity: KSS 70 - 72% DKSS 28 - 30% Molecular Weight Range: 354 - 360 g/mol		-	pH Value 6.5 - 7.3	PC/ABS, PC
<b>EVERFLAM SK 225</b>		Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate CAS: 29420-49-3 Molecular Formula: C <sub>4</sub> HF <sub>9</sub> O <sub>3</sub> S.K Purity: 98% Molecular Weight: 338.19 g/mol		-	Melting temperature > 280 °C	PC/ABS, PC
<b>EVERFLAM STS</b>		Sodium Toluenesulphonate CAS: 12068-03-0 Molecular Formula: C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> S.Na Purity: 99% Molecular Weight: 194.19 g/mol		-	pH Value 6.5 - 7.4	PC/ABS, PC
<b>EVERFLAM STBS</b>		Sodium 2,4,5-Trichlorobenzenesulphonate CAS: 53423-65-7 Molecular Formula: C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub> O <sub>3</sub> S.Na Purity: ≥ 99% Molecular Weight: 283.49 g/mol		-	Melting temperature > 300 °C	PC/ABS, PC
<b>EVERMEL AKTIVE (SERIES)  EVERMEL AKTIVE G (GRANULAR)</b>		Melamine Cyanurate CAS: 37640-57-6 Molecular Formula: C <sub>3</sub> H <sub>6</sub> N <sub>6</sub> .C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>3</sub> Purity: ≥ 99.5% Molecular Weight: 255.2 g/mol		Stable ≤ 300 °C	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-triyltriamine, monohydrobromide EC: 403-290-0 Molecular Formula: C <sub>3</sub> H <sub>7</sub> BrN <sub>6</sub> Bromine Content: 33 - 36% Molecular Weight: 207 g/mol		5% 274 10% 295 50% 358	Melting temperature ≥ 250 °C	Polypropylene
ZINC BORATE PLUS XF RHP-C		Zinc Borate Hydrate CAS: 138265-88-0 Molecular Formula: 2ZnO.3B <sub>2</sub> O <sub>3</sub> .3.5H <sub>2</sub> O B <sub>2</sub> O <sub>3</sub> 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 <sub>6</sub> Al <sub>2</sub> (CO <sub>3</sub> )(OH) <sub>16</sub> .4(H <sub>2</sub> O) Purity: 98% Molecular Weight: 603.98 g/mol		5% 189 10% 220 50% 584	Decomposition temperature ≥ 150 °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 <sub>18</sub> H <sub>22</sub> O <sub>2</sub> 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 <sub>14</sub> H <sub>10</sub> O <sub>4</sub> 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 <sub>18</sub> H <sub>22</sub> 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 <sub>2</sub> O <sub>3</sub> 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
EVERMAG (SERIES)		Magnesium Hydroxide (precipitated and natural brucite) CAS: 1309-42-8 Molecular Formula: Mg(OH) <sub>2</sub> Molecular Weight: 58.32 g/mol	<b>Mg(OH)<sub>2</sub></b>	-	Various particle size ranges and coatings	EPDM, PA, PE, PE-Copolymer, Cross-Linked PE, PP, ABS, PVC, TPU, Silicone Rubber, Epoxy Resin










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**BLENDS AND MASTERBATCHES**

BRAND NAME	STOCK	PROPERTIES	DESCRIPTION AND APPLICATIONS
<b>EVERBLEND 1090 EVERFLAM HF-1114</b>		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
<b>EVERBLEND X40</b>		Active content: 40% Appearance: granules	Polystyrene based masterbatch specifically developed for XPS and HIPS applications
<b>EVERBLEND BNP</b>		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
<b>EVERBLEND P351</b>		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
<b>EVERBLEND DCP20</b>		Active content: 20% Appearance: white granules	Masterbatch of Dicumyl Peroxide in PE
<b>ATOFLAMIX SERIES</b>		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.
<b>ATO-TLA SERIES</b>		Antimony content: ≤60% Appearance: white powder	Series of product with low antimony trioxide content similar to ATOFLAMIX but in powder form

**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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