



EVERKEM
FLAME RETARDANTS & ADDITIVES

PRODUCT GUIDE
ADDITIVES FOR PAINT
& COATINGS

everkem.com

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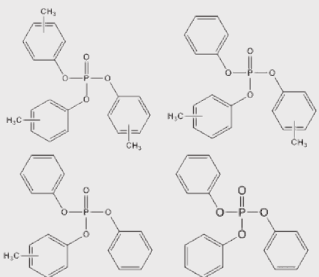
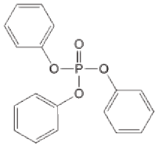
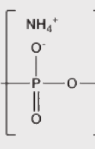
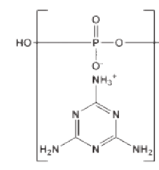
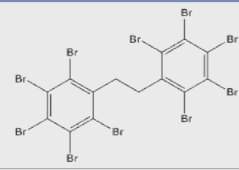
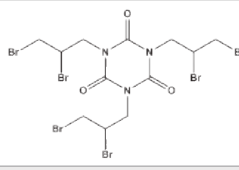
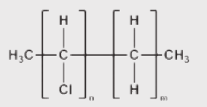
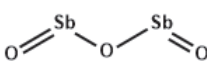
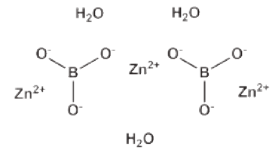
“WHO WE ARE,”

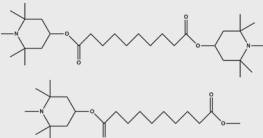
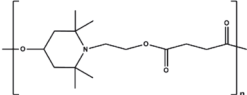
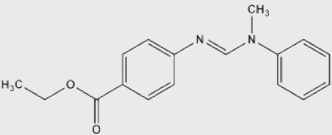
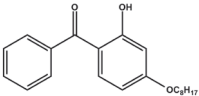
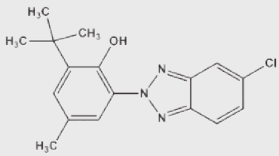
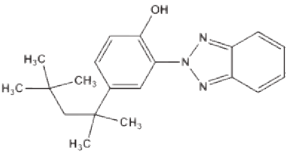
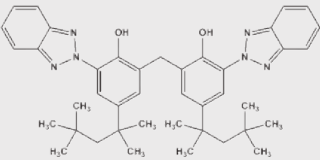
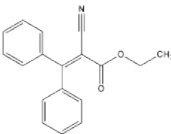
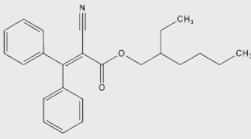
EVERKEM is a leader in the distribution of chemical additives

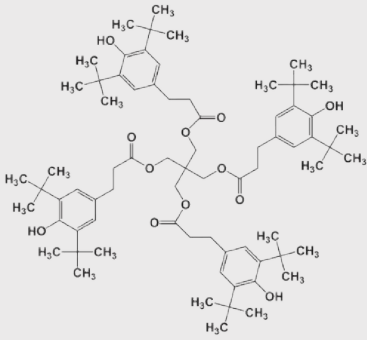
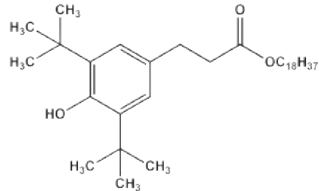
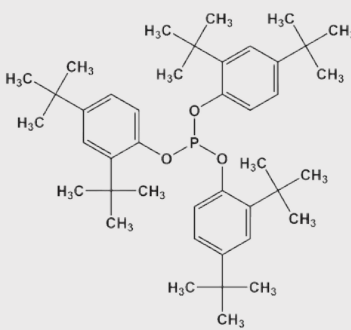
WITH A CONTINUOUS EXPANSION OUR BUSINESS:
FROM EUROPE TO TURKEY TO BOTH NORTH AND SOUTH AMERICA

“Our portfolio includes Flame Retardants, Antioxidants, UV Absorbers, Blowing agents, Lubricants, and more. EVERKEM commercial headquarter is located in Milan, the thriving economic capital of Italy, whereas the administrative office and the warehouse are located close to the port of Ravenna, in addition we have two more warehouses in the area surrounding Milan. Lastly, our office in Milan hosts an analytical laboratory equipped with state-of-the-art instrumentation, which allows EVERKEM to always provide high-quality materials.”



BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	PROPERTIES	APPLICATION AND USE
HALOGEN-FREE FLAME RETARDANTS					
EVERFOS CDP		Cresyl Diphenyl Phosphate (main component) EC: 945-730-9 Molecular Weight: 340.3 g/mol		Clear colourless liquid Viscosity (20 °C): 44 - 49 cP	PU coatings, Epoxy resins, Phenolic resins, PVC coatings/ Plastisol, Synthetic leather, Cellulose/nitrocellulose coatings.
EVERFOS TP (TPP)		Triphenyl phosphate CAS: 115-86-6 Molecular Weight: 326.3 g/mol		White flakes Melting point ≥ 47 °C	Epoxy resins, Phenolic resins, PU coatings, PVC coatings, Textile coatings and back-coatings, Polyester resins coatings, Cellulose/nitrocellulose coatings, Adhesive.
EVERFLAM APP		Ammonium Polyphosphate CAS: 68333-79-9		White powder Available in various grades with different coatings and water/organic solubilities	Epoxy resins, Acrylic resins, PU coatings, Polyester resins coatings.
EVERFLAM MPP 109		Melamine Polyphosphate CAS: 218768-84-4		White powder average particle size: 1-5 µm	Epoxy resins, Acrylic resins, PU coatings, Polyester resins coatings.
HALOGEN FLAME RETARDANTS					
AP 810		Decabromo diphenylethane CAS: 84852-53-9 Molecular Weight: 971.2 g/mol		White powder High Bromine content (≥ 81.5 wt%)	Epoxy resins, Acrylic resins, PVC coatings, Textile coatings and back-coatings, Adhesive, Polyester coating, PU coatings.
AP 729		Tris(2,3-dibromopropyl) isocyanurate CAS: 52434-90-9 Molecular Weight: 729 g/mol		White powder Melting point ≥ 105 °C Bromine Content ≥ 65%	Epoxy resins, Acrylic resins, PVC coatings, Textile coatings and back-coatings, Adhesive, Polyester coating.
CP 70 XF		Chlorinated Paraffin CAS: 63449-39-8		White to yellow powder High Chlorine content (70 - 73 wt%)	PU coatings, PVC coatings, Textile coatings and back-coatings, Rubber and chlorinated rubber coatings.
INORGANIC SYNERGISTS					
ANTIMONY TRIOXIDE (ATO)		Diantimony trioxide CAS: 1309-64-4 Molecular Weight: 291.5 g/mol		White powder Average particle size 0.9 - 1.5 µm	Epoxy resins, Acrylic resins, PVC coatings, Textile coatings and back-coatings, Rubber and chlorinated rubber coatings.
ATO-TLA SERIES		Mixture of ATO and other Synergists	-	White powder ATO substitute for low-antimony applications Sieve residue (45 µm) ≤ 0.2 wt%	Epoxy resins, Acrylic resins, PVC coatings, Textile coatings and back-coatings, Rubber and chlorinated rubber coatings.
ZINC BORATE PLUS XF RHP-C		Zinc Borate Hydrate CAS: 138265-88-0 Molecular Weight: 434.6 g/mol		White powder Average particle size ≤ 5 µm	Textile coatings and back-coatings, PVC coatings, Acrylic resins, Epoxy resins, Adhesive, Rubber coatings.

BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	PROPERTIES	APPLICATION AND USE
HALS					
EVERSTAB 292		Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) Sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5		Light yellow liquid Viscosity (20 °C): 450 cP	Acrylic resins, PU coatings, Unsaturated polyester resins coatings, Alkyd resins, PVC coatings.
EVERSTAB 622		Butanedioic acid, 1,4-dimethyl ester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol CAS: 65447-77-0 Molecular Weight: 3100-4000 g/mol		Clear granules Softening range: 50-70 °C	Powder coatings, Hot-melt Adhesives, Plasticized PVC coatings.
BENZOATES					
EVERSTAB UV-1		Ethyl 4-[[[(methylphenylamino) methylene]amino]benzoate CAS: 57834-33-0 Molecular Weight: 282.3 g/mol		Light yellow liquid Viscosity (20 °C): 8000 cP	PU coatings, PU Synthetic leather
BENZOPHENONES					
EVERSTAB B81		[2-hydroxy-4-(octyloxy)phenyl] (phenyl)methanone CAS: 1843-05-6 Molecular Weight: 326.43 g/mol		Pale yellow powder or flakes Melting range (°C): 47-49	Plasticized PVC, rubbers.
BENZOTRIAZOLES					
EVERSTAB 326		2-(2'-Hydroxy -3' -tert-butyl-5'-methylphenyl)-5-chloro benzotriazole CAS: 3896-11-5 Molecular Weight: 315.8 g/mol		White to yellow powder Melting range (°C): 137-142	Polyesters and Unsaturated Polyester resins, PU coatings, Alkyd resins, Acrylic resins.
EVERSTAB 329		2-(2-Hydroxy-5-tert-octylphenyl) benzotriazole CAS: 3147-75-9 Molecular Weight: 323.43 g/mol		White powder Melting range (°C): 101-109	Epoxy resins, Polyester resins, Alkyd resins, Acrylic resins, PU coatings, PVC coatings.
EVERSTAB 360		2,2'-methylenebis[6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol] CAS: 103597-45-1 Molecular Weight: 658.87 g/mol		White powder or granules Melting range (°C): 193-198	Acrylic resins, PU coatings, Polyesters.
CYANOACRYLATES					
EVERSTAB 305		Ethyl 2-cyano-3,3-diphenylacrylate CAS: 5232-99-5 Molecular Weight: 277.31 g/mol		White crystalline powder Melting range (°C): 95-99	Liquid inks, Acrylic resins, Epoxy resins, Oil paints, Vinyl and Acrylic Adhesives, Polyester resins, PU coatings.
EVERSTAB 309		N-(4-ethoxycarbonyl-phenyl)-N'-methyl-N'-phenylformamide CAS: 6197-30-4 Molecular Weight: 361.48 g/mol		Yellow liquid Freezing point ≤ -10 °C	PVC coatings, Acrylic resins, Alkyd resins, Epoxy resins, Urea-formaldehyde resins, Polyester coatings, PU coatings and floor coatings, Inks, Oil paints, Acrylic and Vinyl Adhesives, Synthetic leather

BRAND NAME	STOCK	CHEMICAL NAME	CHEMICAL STRUCTURE	PROPERTIES	APPLICATION AND USE
PHENOLICS					
EVEROX 1010		Pentaerythritol tetrakis (3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate) CAS: 6683-19-8 Molecular Weight: 1177.6 g/mol		White powder or granules Melting range (°C): 110-125	Powder coatings, PU coatings, Polyester, Acrylic resins, Alkyd resins, Epoxy resins, Water-based coatings, Solvent-based coatings
EVEROX 1076		Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate CAS: 2082-79-3 Molecular Weight: 530.86 g/mol		White crystalline powder Melting range (°C): 50-55	PU coatings, Acrylic coatings, Polyester coatings, Powder coatings, Printing inks.
PHOSPHITES					
EVEROX 1680		Tris(2,4-di-tertbutylphenyl) phosphite CAS: 31570-04-4 Molecular Weight: 646.92 g/mol		White powder or granules Melting range (°C): 183-186	Hot-Melt adhesives, Powder coatings, Solvent-based coatings, Polyester coatings.
BLENDS					
EVEROX B215		Composed of: 33.3% - EVEROX 1010 66.7% - EVEROX 1680	-	White crystalline powder	Powder coatings, PU coatings, Polyester, Acrylic resins, Alkyd resins, Epoxy resins, Water-based coatings, Solvent-based coatings
EVEROX B225		Composed of: 50% - EVEROX 1010 50% - EVEROX 1680	-	White crystalline powder	Powder coatings, PU coatings, Polyester, Acrylic resins, Alkyd resins, Epoxy resins, Water-based coatings, Solvent-based coatings

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