



Polymers Additives
Biesterfeld Ibérica
S. L. U.

Compounding
Portfolio

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Our Partners for Polymer Additives



Antioxidants

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Songnox® 1010	Songwon Ind.	Tetrakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate] methane	6683-19-8	Phenolic antioxidant as primary stabilizer for plastics
Songnox® 1076	Songwon Ind.	Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	2082-79-3	
Songnox® 1135	Songwon Ind.	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched alkyl esters	125643-61-0	
Songnox® 2450	Songwon Ind.	Triethylene glycol-bis-3-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate	36443-68-2	
Songnox® 3114	Songwon Ind.	Tris-(3,5-di-tert-butylhydroxybenzyl) isocyanurate	27676-62-6	
Songnox® 1035	Songwon Ind.	Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate]	41484-35-9	
Songnox® 1098	Songwon Ind.	N,N'-Hexamethylenebis(3,5-di-tert-butyl-4-hydroxyhydrocinnamamide)	23128-74-7	
Songnox® 4425	Songwon Ind.	4,4'-butylidenebis(6-tert-butyl-3-methylphenol)	85-60-9	
Songnox® 1330	Songwon Ind.	1,3,5-trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl) benzene	1709-70-2	
Songnox® 5650	Songwon Ind.	2,6-di-tert-butyl-4-(4,6-bis(octylthio)-1,3,5-triazin-2-ylamino) phenol	991-84-4	
Kumanox® 3020	Kumho Petrochemical	4,6-bis(octylthiomethyl)-o-cresol	110553-27-0	
Kumanox® 5010L	Kumho Petrochemical	Butylated reaction product of o-cresol and dicyclopentadiene	68610-51-5	
Songnox® 5057	Songwon Ind.	Mixture of octylated & butylated diphenylamine	68411-46-1	
Songnox® 5721	Songwon Ind.	Mixture of Songnox 1135 + Songnox 5057 (2:1)	125643-61-0 + 68411-46-1	Blend of phenolic and aminic antioxidants as primary stabilizer for plastics
Songnox® 1024	Songwon Ind.	1,2-bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoyl) hydrazine	32687-78-8	Phenolic antioxidant as metal deactivator in plastics
Songnox® 1680	Songwon Ind.	Tris(2,4-di-tert-butylphenyl) phosphite	31570-04-4	Phosphite antioxidant as processing stabilizer for plastics
Songnox® 6260	Songwon Ind.	Bis(2,4-di-tert-butylphenyl) pentaerythritol diphosphite	26741-53-7	
Songnox® 6280	Songwon Ind.	Mixture of SONGNOX 6260 & Mg, Al talcite		
Songnox® PQ	Songwon Ind.	Phosphorous trichloride, reaction products with 1,1'-biphenyl and 2,4-bis(1,1-dimethylethyl) phenol	119345-01-6	Phosponite antioxidant as processing stabilizer for plastics
Songnox® DSTDP	Songwon Ind.	Distearyl thiodipropionate	693-36-7	Sulphur containing antioxidant as long term heat stabilizer for plastics
Songnox® DLTDP	Songwon Ind.	Dilauryl thiodipropionate	123-28-4	
Songnox® DTDTP	Songwon Ind.	Ditridecyl thiodipropionate	10595-72-9	

HALS (Hindered Amine Light Stabilizer)

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
SaboStab® WSPH	Sabo S.p.A.	Polyethylene glycol, ether with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol	59535-09-0	HALS (Hindered Amine Light Stabilizer). Chemically acting light stabilizer which interferes the radical chain mechanism
SaboStab® UV 40	Sabo S.p.A.	1,6-hexanediamine, N,N'-bis(2,2,6,6-tetra methyl-4-piperidinyl)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with N-butyl-1-butanamine and N-butyl-2,2,6,6-tetramethyl-4-piperidinamine	192268-64-7	
SaboStab® UV 62	Sabo S.p.A.	Butanedioic acid, 1,4-dimethyl ester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol	65447-77-0	
SaboStab® UV 65	Sabo S.p.A.	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	41556-26-7	
SaboStab® UV 70	Sabo S.p.A.	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	
SaboStab® UV 78	Sabo S.p.A.	1:1 mixture of SaboStab UV 62 with SaboStab UV 94	65447-77-0 + 70624-18-9	
SaboStab® UV 79	Sabo S.p.A.	1,6-hexanediamine, N1, N6-bis(2,2,6,6-tetra methyl-4-piperidinyl)-, polymer with 2,4-dichloro-6-(4-morpholinyl)-1,3,5-triazine	82451-48-7	
SaboStab® UV 91	Sabo S.p.A.	Fatty acids, C12-21 and C18 unsaturated, 2,2,6,6-tetramethyl-4-piperidinyl esters	167078-06-0	
SaboStab® UV 91 50PP	Sabo S.p.A.	Fatty acids, C12-21 and C18 unsaturated, 2,2,6,6-tetramethyl-4-piperidinyl esters Compounded in Polypropylene (1:1)	86403-32-9 (EU), 167078-06-0 (outside EU)	
SaboStab® UV 94	Sabo S.p.A.	1,6-hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with 2,4,4-trimethyl-2-pentanamine	70624-18-9	
SaboStab® UV 119	Sabo S.p.A.	1,3,5-triazine-2,4,6-triamine, N2,N2''-1,2-ethanediylbis[N2-[3-[4,6-bis[butyl (1,2,2,6,6-pentamethyl-4-piperidinyl) amino]-1,3,5-triazin-2-yl]amino]propyl]-N',N''-dibutyl-N',N''-bis(1,2,2,6,6-pentamethyl-4-piperidinyl)	106990-43-6	
SaboStab® UV 216	Sabo S.p.A.	Sunscreen Preparation	mixture	Agricultural films
SaboStab® UV 418	Sabo S.p.A.	Sunscreen Preparation	mixture	

UV-Absorbers

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Songsorb® 1000	Songwon Ind.	2-(2'-hydroxy-5'-methylphenyl) benzo-triazole	2440-22-4	Benzotriazole, broad absorbing, physically acting preventive light stabilizer for plastics
Songsorb® 2340	Songwon Ind.	2-[2-hydroxy-3,5-di(1,1-dimethylbenzyl) phenyl]-2H-benzotriazole	70321-86-7	
Songsorb® 3260	Songwon Ind.	2-(2'-hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole	3896-11-5	
Songsorb® 3270	Songwon Ind.	2-(2'-hydroxy-3',5'-di-tert-butylphenyl)-5-chloro benzotriazole	3864-99-1	
Songsorb® 3280	Songwon Ind.	2-(2'-hydroxy-3',5'-di-tert-amylphenyl) benzotriazole	25973-55-1	
Songsorb® 3290	Songwon Ind.	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetra-methyl butyl)phenol	3147-75-9	
Songsorb® 3600	Songwon Ind.	Bis[2-hydroxy-5-tert-octyl-3-(benzotriazol-2-yl)phenyl] methane	103597-45-1	
Songsorb® 7120	Songwon Ind.	2,4-di-tert-butylphenyl-4'-hydroxy-3',5'-di-tert-butyl benzoate	4221-80-1	Benzoate, physically acting preventive light stabilizer for plastics
Songsorb® 2908	Songwon Ind.	Hexadecyl-3,5-di-tert-butyl-4-hydroxy-benzoate	67845-93-6	
Songsorb® 8100	Songwon Ind.	2-hydroxy-4-n-octoxybenzophenone	1843-05-6	Benzophenone, broad absorbing, physically acting preventive light stabilizer for plastics
SaboStab® UV 312	Sabo S.p.A.	2-ethyl-2'-ethoxy-oxanilide	23949-66-8	Oxanilide, UV-B absorber, physically acting preventive light stabilizer for plastics
Songsorb® 1577	Songwon Ind.	2-(4,6-diphenyl-1,3,5-triazin-2-yl)-5-hexyloxy phenol	147315-50-2	Triazine, broad absorbing, physically acting preventive light stabilizer for plastics
SaboStab® UV 1	Sabo S.p.A.	Ethyl 4-[[[(methylphenylamino)methylene]amino] benzoate	57834-33-0	Formamidine, physically acting preventive light stabilizer for plastics

Antistats

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Sabo®Stat AL 100	Sabo S.p.A.	Ethanol, 2,2'-iminobis-, N-coco alkyl derivatives	61791-31-9 or 71786-60-2	Ethoxylated alkylamine, migrating antistat for plastics
Sabo®Stat ASE 3	Sabo S.p.A.	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	61791-44-4	
Sabo®Stat ASE 6	Sabo S.p.A.	Ethanol, 2,2'-iminobis-, N-C14-C18 alkyl derivatives	90367-28-5 EU 71786-60-2 US,CAN,JP	
Sabo®Stat ASE	Sabo S.p.A.	2,2'-(octadecylimino) bisethanol	10213-78-2	
Sabo®Stat DELA	Sabo S.p.A.	Dodecanamide, N,N-bis(2-hydroxyethyl)-	120-40-1	LDN (lauryl diethanolamide), migrating antistat for plastics
Sabo®Stat A 300	Sabo S.p.A.	2-[(2-hydroxyethyl) octadecylamino] ethylstearate	52497-24-2	Stearyl diethanolamine monostearate, migrating antistat for plastics
Sabo®Len MOE SD	Sabo S.p.A.	Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2ethanediyl) derivatives	9005-65-6	Sorbitolester, migrating antistat and antifog for plastics
Sabo®Len MLE	Sabo S.p.A.	Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivatives	9005-64-5	Sorbitolester, migrating antistat for plastics
Sabo®Nol MO	Sabo S.p.A.	Sorbitan, mono-(9Z)-9-octadecenoate	1338-43-8	
Sabo®Nol TO	Sabo S.p.A.	Sorbitan, tri-(9Z)-9-octadecenoate; (Z,Z,Z)-Sorbitan tri-9-octadecenoate	26266-58-0	
Newostat 600 C	Newos GmbH	Pure polymeric, quaternary alkyl-ammonium salts	68989-03-7	Cationic antistat for plastics for compounding or outer application
Newostat 603	Newos GmbH	Preparations of Alkylpolyglycoethers	69011-36-5	Migrating antistat for plastics
Newostat 605	Newos GmbH	Preparations of Na-alkylsulfonate, polyglycols and fatty acid esters	68188-18-1	Anionic plus non-ionic antistat for plastics for compounding or outer application
Newostat 606	Newos GmbH	Preparations of Na-alkylsulfonate, polyglycols and fatty acid esters	68188-18-1	
Newostat 608	Newos GmbH	Preparation of alkylpolyglycoether and fatty acid esters	n.a.	Migrating antistat for plastics
Newostat 609	Newos GmbH	Aqueous preparation of ethanol and 2-(2-butoxyethoxy)-phosphate-potassium salt	68647-25-6	Anionic antistat for aqueous polymer systems for outer application or compounding
Newostat 610	Newos GmbH	Aqueous preparation of Na-alkylsulfonates	68188-18-1	
Newostat 610 S	Newos GmbH	Na-alkylsulfonates	68188-18-1	

Antifogs

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Sabo®Len MOE SD	Sabo S.p.A.	Sorbitan, mono-(9Z)-9-octadecanoate, poly(oxy-1,2-ethanediyl) derivatives	9005-65-6	Sorbitolester, migrating antifog for plastics
Sabo®Fog ML	Sabo S.p.A.	Sorbitan, monododecanoate	1338-39-2	
Sabo®Fog MS P	Sabo S.p.A.	Sorbitan, mono-octadecanoate	1338-41-6	
Sabo®Fog TOE	Sabo S.p.A.	Sorbitan, tri-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives	9005-70-3	
Sabo®Fog F1	Sabo S.p.A.	(Octadecylimino) diethylenedistearate 2-[(2-hydroxyethyl)octadecylamino] ethylstearate 2,2'-(octadecylimino) bisethanol	94945-28-5, 52497-24-2, 10213-78-2	Ethoxylated alkylamineester, migrating antifog for plastics
Sabo®Fog PGS	Sabo S.p.A.	Octadecanoic acid, monoester with tetraglycerol	68004-11-5 or 26855-44-7	Polyglycerolester, migrating antifog for plastics
Sabo®Fog PGL	Sabo S.p.A.	1,2,3-Propanetriol, homopolymer, dodecanoate	74504-64-6	Polyglycerolester, migrating antifog for plastics
Sabo® Fog M1	Sabo S.p.A.	Polyethoxy perfluorohexyl ethanol	52550-44-4	Agricultural films PE

Slip & Antiblock Agents

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Innoslip E	Pathwel Co., Ltd.	Erucamide	112-84-5	Processing aid, slip and antiblock agent for plastics
Innoslip O	Pathwel Co., Ltd.	Oleamide	301-02-0	
Innoslip S	Pathwel Co., Ltd.	Stearamide	124-26-5	

Brominated Flame Retardants

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Firemaster® 2100R	Lanxess	Decabromdiphenyl ethane	84852-53-9	Additive flame retardant for PP, PE, PS, PBT, EPDM, UP, EP a. o. applications
PDBS-80™	Lanxess	Polydibromostyrene	88497-56-7	Polymeric flame retardant for PA, PBT, PET
PHT4™	Lanxess	Tetrabromophthalic anhydride	632-79-1	Reactive flame retardant for PUR, UP a. o. applications
PHT4-Diol™	Lanxess	Tetrabromophthalate diol	20566-35-2	Reactive flame retardant for PUR, UP a. o. applications
PHT4-Diol™ LV	Lanxess	Tetrabromophthalate diol	20566-35-2	Reactive flame retardant for PUR, UP a. o. applications
BA-59P™	Lanxess	Tetrabromobisphenol A	79-94-7	Reactive and additive flame retardant for EP, PC, PS, ABS a. o. applications
BC-52™	Lanxess	Brominated aromatic carbonate oligomer	94334-64-2	Polymeric flame retardant for PBT, PET, PC, PS, ABS, SAN a. o. applications
BC-58™	Lanxess	Brominated aromatic carbonate oligomer	71342-77-3	Polymeric Flame Retardant for PBT, PET, PC, PS, ABS, SAN a. o. applications
BDDP of TBBA		Tetrabromobisphenol A bis (2,3-dibromopropyl ether)	21850-44-2	Additive flame retardant for polyolefins

Phosphorus Flame Retardants

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Emerald Innovation™ NH-1	Lanxess	Proprietary		Liquid flame retardant for PUR, PVC, coatings, adhesives a. o. applications
Reofos®35	Lanxess	Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5 %]	68937-41-7	Flame retardant plasticizer for PVC, phenolic laminates a. o. applications
Reofos®50	Lanxess	Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5 %]	68937-41-7	Flame retardant plasticizer for PVC, phenolic laminates a. o. applications
Reofos®65	Lanxess	Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5 %]	68937-41-7	Flame retardant plasticizer for PVC, phenolic laminates a. o. applications
Reofos®95	Lanxess	Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5 %]	68937-41-7	Flame retardant plasticizer for PVC, phenolic laminates a. o. applications
BDP		Aromatic polyphosphate	5945-33-5	High molecular liquid flame retardant for PC, PC/ABS, PC/HIPS a. o. applications
BDP-LV-S1	Biesterfeld	Aromatic phosphate lower viscosity	5945-33-5	High molecular liquid flame retardant for PC, PC/ABS, PC/HIPS, PPO/HIPS, PUR, a. o. applications
RDP	Biesterfeld	Resorcinol-bis(diphenylphosphat)	57583-54-7	Flame retardant for PC, PC/ABS, PPO/HIPS a. o. applications

Inorganic Flame Retardants and Synergists

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Zinflam ZHS	S. C. Larderello	Zinc hydroxystannate	12027-96-2	Alternative to antimonytrioxide, reduction of smoke density, toxicity and heat release rate; flame retardant and synergist for PVC, polyolefines, PUR, UP, EP a. o. applications
CaB	S. C. Larderello	Calciumborate	13701-64-7	Alternative to antimonytrioxide, reduction of smoke density, synergist, alternativ for zinc Borat for PVC, UP, PUR, EP, Pololefine PA a. o. applications
Zinflam ZS	S. C. Larderello	Zinc stannate	12036-37-2	Alternative to antimonytrioxide, reduction of smoke density, smoke toxicity and heat release rate; flame retardant and synergist for PA, PBT, PP a. o. applications
BLG	RMC Remacon	Expandable graphite	12777-87-6	Inorganic intumescent system for PUR, fire protection and other applications
ATO	Biesterfeld Chemical			Synergist

Halogen Free Flame Retardants (HFFR)

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
EPFR-100 A	Presافر	Ammonium polyphosphate (APP) based intumescent system		HFFR for polyolefins with anti-dripping agent
EPFR-100 D	Presافر	Ammonium polyphosphate (APP) based intumescent system		HFFR for polyolefins without antidripping agent
EPFR-110 DL	Presافر	APP free intumescent system		HFFR especially for GF reinforced polyolefins
EPFR-110 DM	Presافر	APP free intumescent system		HFFR especially for GF reinforced polyolefins
EPFR-110 T	Presافر	APP free intumescent system		HFFR especially for GF reinforced polyolefins and TPE
MCA-15	Presافر	Melamincyanurate	37640-57-6	HFFR for TPE, TPU
MCA-25	Presافر	Melamincyanurate	37640-57-6	HFFR for PA, PBT
MCA-50	Presافر	Melamincyanurate	37640-57-6	HFFR for PA
EPFR-MPP300	Presافر	Melamine polyphosphate	218768-84-4	HFFR for GF reinforced PA and PBT as well as polyolefins a. o. applications
EPFR-APP-Series	Presافر	High molecular APP with different coatings		HFFR for intumescent systems
300-Series	Paxymmer	Carbonyl and acylate modified polyolefins		Synergist and antidripping agent for HFFR systems for polyolefins
700-Series	Paxymmer	Masterbatch system based on modified polyolefins combined with HFFR		Combination of P/N-flame retardants with synergists / antidripping agent for polyolefins

PTFE-Derivate

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Marzon® Z5	Laurel Products Divison PPG	AS-polymerised PTFE-Micropowder	9002-84-0	Great reduction in the coefficient of friction through improved dispersion
Ultraflon® MP 10	Laurel Products Divison PPG	PTFE Powder	9002-84-0	Additive for lowering wear and friction of polymer surfaces. Highest temperature stability
Ultraflon® MP-30	Laurel Products Divison PPG	PTFE Powder	9002-84-0	
Marzon® V-1	Laurel Products Divison PPG	Fluoropolymer micropowder	9002-84-0	Additive for lowering wear and friction of polymer surfaces. Highest temperature stability
Marzon V-2	Laurel Products Divison PPG	Fluoropolymer micropowder	9002-84-0	
Marzon V-3	Laurel Products Divison PPG	Fluoropolymer micropowder	9002-84-0	
Marzon 110	Laurel Products Divison PPG	Agglomerated PTFE	9002-84-0	Antidripping agent for combinations with flam retardants in various plastics, such as engineering resins o polyolefins
Thor-FPz	Laurel Products Divison PPG	Surface fluorinated Mica	12003-38-2	Combines rheological properties of PTFE with highest dimensional stability of Mica

*Selection; further information on special additives are available on request

Blowing Agents

Tradename	Supplier	Chemical Name	CAS-No.	Classification & Application
Cellcom® AC	Kum Yang	Azodicarbonamide	123-77-3	Exothermic blowing agents and modified blowing agent systems
Cellcom® OBSH	Kum Yang	4,4'-oxybis-benzenesulfonylhydrazide	80-51-3	
Cellcom® H	Kum Yang	p-toluolsulfonylhydrazide	1576-35-8	
Cellcom® TSS	Kum Yang	p-toluolsulfonylsemicarbazid	10396-10-8	
Cellcom® 5PT	Kum Yang	5-phenyl-tetrazol	18039-42-4	
Kycerol®	Kum Yang	Sodium bicarbonat	144-55-8	Endothermic blowing agents based on modified bicarbonates
Cellcom® CAP	Kum Yang	Microspheres filled with gas based on acrylnitrilic copolymers	38742-70-0	Blowing agents based on expandable microspheres

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