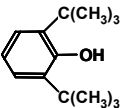
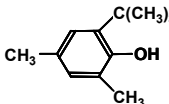
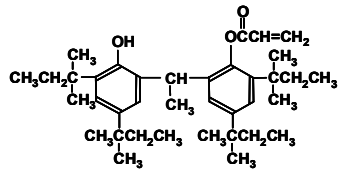
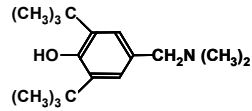
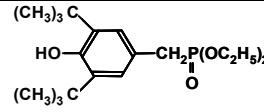
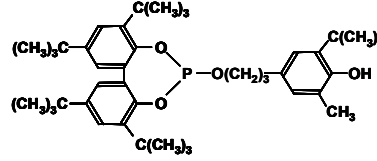
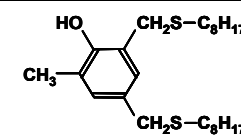
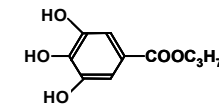
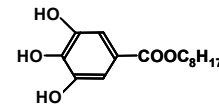
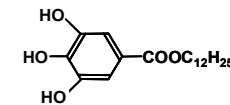


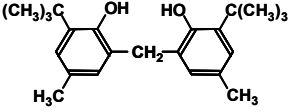
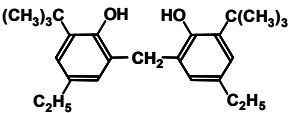
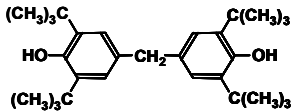
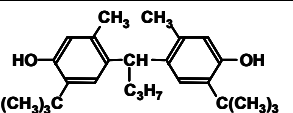
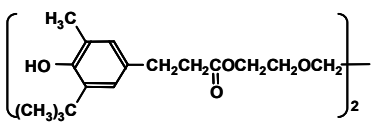
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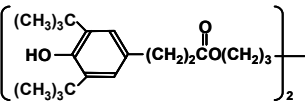
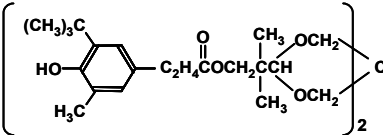
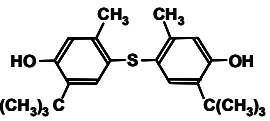
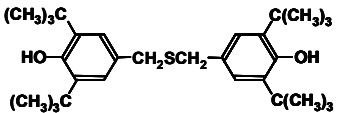
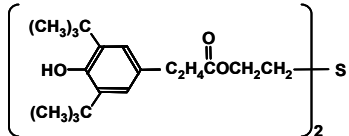
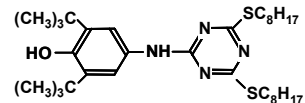
ID	Type
A	Antioxidant
B	Ultraviolet absorber, Light stabilizer
C	Metal deactivator
D	Stabilizer
G	Lubricant
H	Plasticizer
I	Antistatic additive
J	Anti-clouding agents
K	Fire retardant
L	Blowing agent
O	Nucleating agent
Q	Antivacterial, Antifungal agent
W	Antidegradant

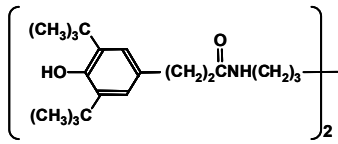
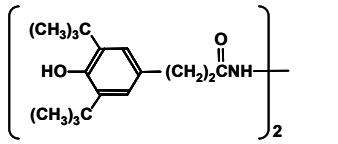
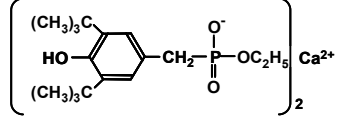
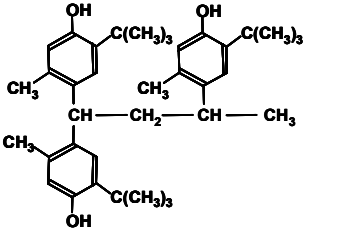
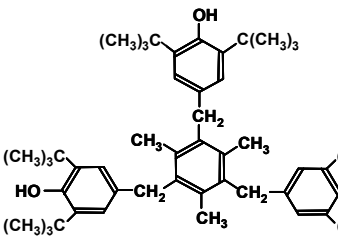
Entry ID	Name	Synonims	MW	Compositional formula	Structure Formula	TIC at 400°C Included
A(1)-001	2,6-Di-t-butylphenol	Ethyl 701(Ethyl Corp.), Ionox 99(Shell)	206.17	C ₁₄ H ₂₂ O		-
A(1)-002	2,4-Dimethyl-6-t-butylphenol	Antioxidant No 30(Du Pont), Topanol A(ICI)	178.14	C ₁₂ H ₁₈ O		-

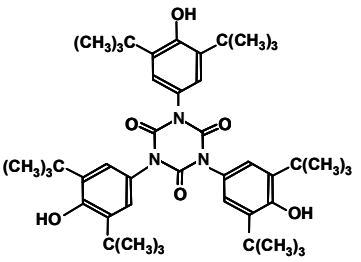
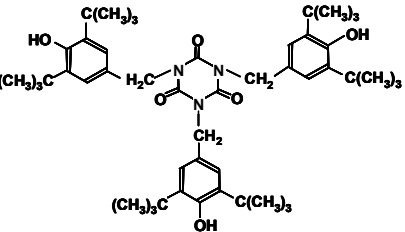
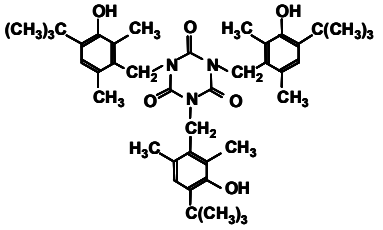
A(1)-003	2,6-Di-t-butyl-4-methylphenol, Butyl hydroxy toluene	Sumilizer BHT(Sumitomo Chemical), Yoshinox BHT(Mitsubishi Pharma), Antage BHT(Kawaguchi Chemical Industrial), Nocrak 200(Ouchishinko Chemical Industrial), Ionol(Shell), VullanoxKB(Bayer)	220.18	C15H24O		-
A(1)-004	2,6-Di-t-butyl-4-ethylphenol	Yoshinox 250(Mitsubishi Pharma), Nocrak M-17(Ouchishinko chemical Industrial)	234.20	C16H26O		-
A(1)-005	2,4,6-Tri-t-butylphenol	Antioxidant Hoechst TMOZ(Hoechst)	262.23	C18H30O		-
A(1)-020	Butyl hydroxyanisole, 2-t-Butyl-4-methoxyphenol	Orient BHA(Orient Chemical Industries)	180.11	C11H16O2		-
A(1)-021	Tocopherol, Vitamin E	Vitamin E(Eisai), Riken E-oil 700(Riken Vitamin)	430.71	C29H50O2		-
A(1)-030	2,6-Di-t-butyl-4-hydroxymethylphenol	Ionox 100(Shell)	236.18	C15H24O2		-
A(1)-040	n-Octadecyl-3-(4-hydroxy-3',5'-di-tert-butylphenyl)propionate	Irganox 1076(Ciba-Geigy), Sumilizer BP-76(Sumitomo Chemical), ADK STAB AO50(Adeka), Tominox SS(Mitsubishi Pharma), Etanox 376(Ethyl Corp.)	530.47	C35H62O3		-

A(1)-045	2-[1-(2-hydroxy-3,5-di- <i>t</i> -pentylphenyl)ethyl]-4,6-di- <i>t</i> -pentylphenyl acrylate	Sumilizer-GS(Sumitomo Chemical)	548.84	C37H56O3		-
A(1)-050	2,6-Di- <i>t</i> -butyl-4-(N,N-dimethylaminomethyl)phenol	Ethanox 703(Ethyl Corp.)	263.22	C17H29ON		-
A(1)-060	3,5-Di- <i>t</i> -butyl-4-hydroxybenzylphosphonate-diethylester	Irganox 1222(Ciba-Geigy)	356.21	C19H33O4P		-
A(1)-070	6-[3-(3- <i>t</i> -butyl-4-hydroxy-5-methylphenyl)propoxy]-2,4,8,10-tetra- <i>t</i> -butyldibenz[d,f][1,3,2]dioxaphosphepin	Sumilizer-GP(Sumitomo Chemical)	660.91	C42H61O4P		-
A(1)-090	4,6-bis(octylthiomethyl)- <i>o</i> -cresol	Cable KV-10(Ciba-Geigy)	424.75	C25H44OS2		Yes
A(1)-120	Propyl gallate	Plogaline P(Nipa Laboratories)	212.07	C10H12O5		-
A(1)-121	Octyl gallate	Plogaline O(Nipa Laboratories)	282.15	C15H22O5		-
A(1)-122	Lauryl gallate	Plogaline LA(Nipa Laboratories)	338.21	C19H30O5		-

A(1)-200	2,2'-Methylenebis(4-methyl-6-t-butylphenol)	Yoshinox 226G(Mitsubishi Pharma), Seenox 224M(Shipro Kasei Kaisha), Cyanox 2246(Am. Cyanamid), Sumilizer MDP-S(Sumitomo Chemical)	340.24	C23H32O2		-
A(1)-201	2,2'-Methylenebis(4-ethyl-6-t-butylphenol)	Cyanox 425(Am. Cyanamid), Yoshinox 425(Mitsubishi Pharma), Antage W-500(Kawaguchi Chemical Industries), Nocrac NS-5(Ouchishinko Chemical Industrial)	368.55	C25H36O2		-
A(1)-202	4,4'-Methylenebis(2,6-di-tert-butylphenol)	Seenox 226M(Shipro Kasei Kaisha), Ethanox 702(Ethyl Corp.)	424.66	C29H44O2		-
A(1)-221	4,4'-Butylidenebis(3-methyl-6-t-butylphenol)	Santowhite Powder(Monsanto), Sumilizer BBM-S(Sumitomo Chemical), ADK STAB AO40(Adeka), Antage W-300(Kawaguchi Chemical Industrial)	382.58	C26H38O2		-
A(1)-240	Triethyleneglycol bis[3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propionate]	Irganox 245(Ciba-Geigy), Tominox 917(Mitsubishi Pharma), ADK STAB AO-70(Adeka)	586.76	C34H50O8		-

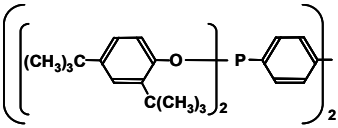
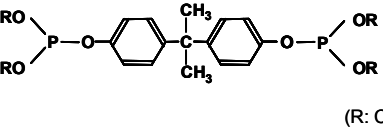
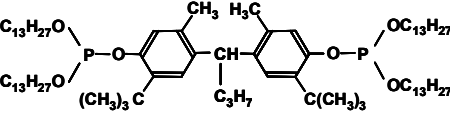
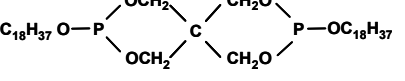
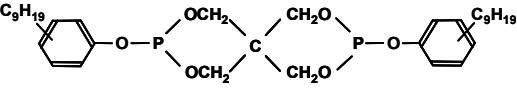
A(1)-241	1,6-Hexanediol bis[3-(3,5-di-t-butyl-4-hydroxyphenyl)propionate]	Irganox 259(Ciba-Geigy)	638.92	C40H62O6		-
A(1)-243	3,9-Bis [2-{3-(3-t-butyl-4-hydroxy-5-methylphenyl)propionyloxy}-1,1-dimethylethyl]-2,4,8,10-tetraoxaspiro[5,5]undecane	Sumilizer GA-80(Sumitomo Chemical), ADK STAB AO80(Adeka)	740.96	C43H64O10		Yes
A(1)-251	4,4'-Thiobis(3-methyl-6-t-butylphenol)	Sumilizer WX-R(Sumitomo Chemical), Yoshinox SR(Mitsubishi Pharma), Nocrak 300(Ouchishinko Chemical Industrial), Santonox R(Monsanto)	358.54	C22H30O2S		-
A(1)-253	Bis(3,5-di-t-butyl-4-hydroxybenzyl)sulfide	Sandant 103(Sanshin Chemical Industry)	470.75	C30H46O2S		Yes
A(1)-255	2,2-Thiodiethylene bis[3-(3,5-di-t-butyl-4-hydroxyphenyl)propionate]	Irganox 1035(Ciba-Geigy), ADK STAB AO-75(Adeka), Anox 70(EniChem)	642.93	C38H58O6S		-
A(1)-260	2,4-Bis(n-octylthio)-6-(4'-hydroxy-3,5-di-t-butylanilino)-1,3,5-triazine	Irganox 565(Ciba-Geigy)	588.95	C33H56N4OS2		-

A(1)-270	N,N'-Hexamethylene bis(3,5-di-t-butyl-4-hydroxyhydrocinnamide	Irganox 1098(Ciba-Geigy)	636.95	C40H64N2O4		Yes
A(1)-271	N,N'-Bis[3-(3,5-di-t-butyl-4-hydroxyphenyl)propionyl] hydrazine	Irganox MD1024(Ciba-Geigy)	552.79	C34H52N2O4		Yes
A(1)-280	Calcium bis[monoethyl(3,5-di-t-butyl-4-hydroxybenzyl)phosphonate]:Polyethylene wax=50:50	Irganox 1425WL (Blend with Polyethylene wax 50%)(Ciba-Geigy)	690.88	C36H60CaO6P		-
A(1)-290	Alkylated bisphenol	Sumilizer NW(Sumitomo Chemical)	-	-	-	-
A(1)-300	1,1,3-Tris(2-methyl-4-hydroxy-5-t-butylphenol)butane	Topanol CA(ICI), ADK STAB AO-30(Adeka), Seanox 336B(Shipro Kasei Kaisha), GHSY-980(Mitsubishi Pharma)	544.81	C37H52O3		-
A(1)-301	1,3,5-Trimethyl-2,4,6-tris(3,5-di-t-butyl-4-hydroxybenzyl)benzene	Irganox 1330(Ciba-Geigy), Seanox 326M(Shipro Kasei Kaisha), ADK STAB AO-330(Adeka), Ethanox 330(Ethyl Corp.)	774.59	C54H78O3		-

A(1)-310	Tris(3,5-di- <i>t</i> -butyl-4-hydroxyphenyl) isocyanurate	Cheminox 314(Chemipro Kasei Kaisha)	741.47	C45H63N3O6		-
A(1)-311	Tris(3,5-di- <i>t</i> -butyl-4-hydroxybenzyl) isocyanurate	Goodlite 3114(Goodrich), Irganox 3114(Ciba-Geigy), ADK STAB AO-20(Adeka), GSY-314(Mitsubishi Pharma), Anox IC-14(EniChem)	784.08	C48H69N3O6		Yes
A(1)-312	1,3,5-Tris(4- <i>t</i> -butyl-3-hydroxy-2,6-dimethylbenzyl) isocyanurate	Sumilizer BP-179(Sumitomo Chemical), Cyanox 1790(Am. Cyanamid)	699.42	C42H57N2O6		Yes
A(1)-322	1,1,3-tris[2-methyl-4-[3-(3,5-di- <i>t</i> -butyl-4-hydroxyphenyl)propionyloxy]-5- <i>t</i> -butylphenyl]butane	Yoshinox GSY-242(Mitsubishi Pharma)	1325.92	C88H124O9	$\begin{matrix} R & & R \\ & & \\ \text{CH} & \text{CH}_2 & \text{CH} \\ & & \\ R & & R \end{matrix}$ $R = \text{---} \begin{matrix} \text{C(CH}_3\text{)}_3 \\ \\ \text{---} \text{C}_6\text{H}_2\text{---} \\ \\ \text{OCCH}_2\text{CH}_2\text{---} \end{matrix} \begin{matrix} \text{C(CH}_3\text{)}_3 \\ \\ \text{---} \text{C}_6\text{H}_2\text{---} \\ \\ \text{OH} \\ \\ \text{C(CH}_3\text{)}_3 \end{matrix}$	-
A(1)-410	Tetrakis[methylene 3-(3',5'-di- <i>t</i> -butyl-4-hydroxyphenyl)propionate]methane	Irganox 1010(Ciba-Geigy), Sumilizer BP-101(Sumitomo Chemical), ADK STAB AO-60(Adeka), Tominox TT(Mitsubishi Pharma), Anox 20(EniChem)	1169.57	C73H100O12	$\left[\begin{matrix} \text{---} \text{C}_6\text{H}_2\text{---} \\ \\ \text{HO} \\ \\ \text{---} \text{C}_6\text{H}_2\text{---} \\ \\ \text{C(CH}_3\text{)}_3 \end{matrix} \text{---} \text{CH}_2\text{CH}_2\text{COOCH}_2\text{---} \text{C} \right]_4$	-

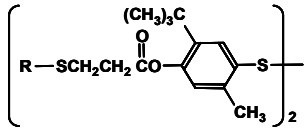
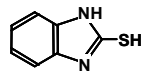
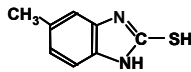
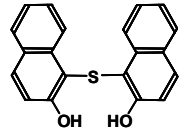
A(1)-411	3,3-Bis(3-t-butyl-4-hydroxyphenyl)ethyl enebutylate	Hastanox 03(Hoechst)	795.05	C50H66O8		Yes
A(2)-003	Tris(2,4-di-t-butylphenyl) phosphite	Irgafos 168(Ciba-Geigy), Sumilizer P-16(Sumitomo Chemical), ADK STAB AO-2112(Adeka), JP-650(Johoku Chemical), Alkanox 240(EniChem)	646.92	C42H63O3P		-
A(2)-004	Tris(nonylphenyl) phosphite	Sumilizer TNP(Sumitomo Chemical), ADK STAB TNP(Adeka), JP-351(Johoku Chemical), Weston 399(Borg Warner), Chelex TM(Sakai Chemical Industry)	688.50	C45H69O3P		-
A(2)-005	Tris(mono- & di-nonylphenyl mixed) phosphite	Mark 329K, Mark 329, TNP-N(Sanko Chemical), Polygard HR(Uniroyal Chem)	814.64 or 940.78	C54H87O3P or C63H105O3P		-
A(2)-020	Diphenyl isoocetyl phosphite	Adekastab C(Adeka), JPM-308(Johoku Chemical), ODPP(Sanko Chemical)	346.17	C20H27O3P		-

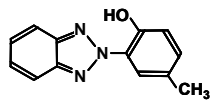
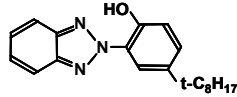
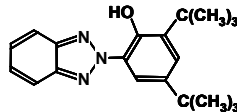
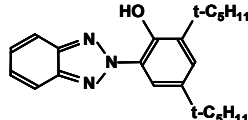
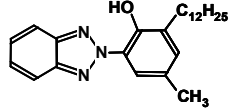
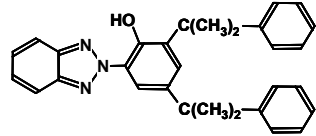
A(2)-021	2,2'-Methylene bis(4,6-di-t-butylphenyl)octylphosphite	Adekastab HP-10(Adeka)	582.84	C37H59O3P		Yes
A(2)-022	Diphenyl isodecyl phosphite	Mark 135A(Adeka), JPM-311(Johoku Chemical), Chelex-MD(Sakai Chemical Industry)	374.20	C22H31O3P		-
A(2)-023	Diphenyl mono(tridecyl) phosphite	Mark 1013(Adeka), JPM-313(Johoku Chemical)	416.53	C25H37O3P		-
A(2)-024	2,2'-Ethylidenebis(4,6-di-t-butylphenol) fluorophosphite	Ethanox 398(Ethyl Corp.)	486.64	C30H44FO2P		Yes
A(2)-040	Phenyl di-isodecyl phosphite	Mark 517(Adeka)	438.62	C26H47O3P		-
A(2)-060	Tris(2-ethylhexyl) phosphite	JPM-308(Johoku Chemical)	418.36	C24H51O3P	$\text{P} \left[\begin{array}{c} \text{OCH}_2\text{CH} \\ \\ \text{C}_2\text{H}_5 \end{array} (\text{CH}_2)_3\text{CH}_3 \right]_3$	-
A(2)-061	Tris(isodecyl) phosphite	Mark 3010, Adekastab 3010 ADK STAB 3010(Adeka), JP-310(Johoku Chemical)	502.79	C30H63O3P	$\text{P} \left[\text{O C}_{10}\text{H}_{21} \right]_3$	Yes

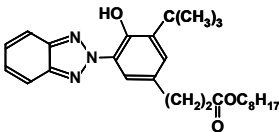
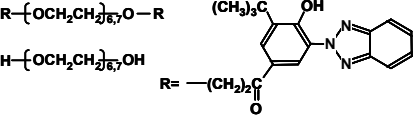
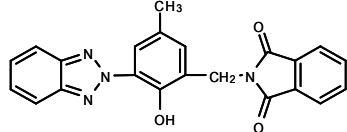
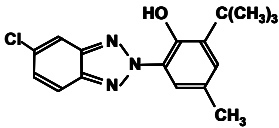
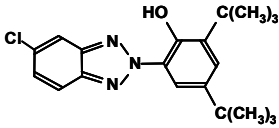
A(2)-062	Tris(tridecyl) phosphite	JPS 333E(Johoku Chemical), Mark 3013(Adeka), TTBD-1(Daihachi Chemical Industry)	629.03	C39H81O3P	$P\{-OC_{13}H_{27}\}_3$	Yes
A(2)-070	Trilauryltrithio phosphite	Weston TLTPP(Borg Warner), JPS312(Johoku Chemical)	635.15	C36H75PS3	$P\{-SC_{12}H_{25}\}_3$	-
A(2)-080	Tetrakis(2,4-di-t-butylphenyl)-4,4'-biphenylene diphosponite	Sandstab P-EPQ(Sandoz), IrgafosP-RPQ FF(Ciba-Geigy)	1034.64	C68H92P2O4		-
A(2)-085	4,4'-Isopropylidene diphenyl tetraalkyl(C12-C15) diphosphite	Mark 1500, Adekastab 1500(Adeka), JA-805(Johoku Chemical)	1028.81 - 1196.99	C63H114O6P2 - C75H138O6P2	 (R: C12-C15)	Yes
A(2)-086	4,4'-Butylidenebis(3-methyl-6-t-butylphenyl)-di-tridecylphosphite	Mark 260, Adekastab 260(Adeka)	1239.92	C78H144O6P2		-
A(2)-090	Distearyl pentaerythritol diphosphite	Mark PEP-8, Adekastab PEP-8(Adeka), JPP-2000(Johoku Chemical)	733.03	C41H82O6P2		-
A(2)-091	Bis(nonylphenyl) pentaerythritol diphosphite	Mark PEP-4C, Adekastab PEP-4C(Adeka), IPP-31(Johoku Chemical)	632.75	C35H54O6P2		Yes

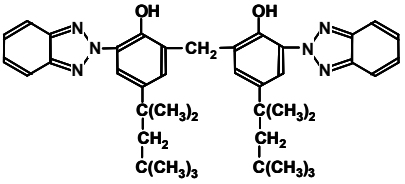
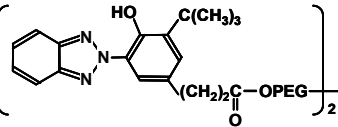
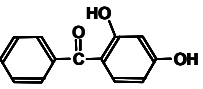
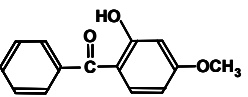
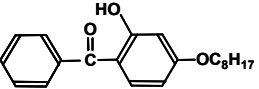
A(2)-092	Bis(2,4-di-t-butylphenyl)pentaerythritol diphosphite	ULtranox 626(Borg Warner), ULtranox 624(Borg Warner), Adekastab PEP-24(Adeka)	604.69	C33H50O6P2		-
A(2)-093	Cyclicneopentane tetrayl bis(2,6-di-t-butyl-4-methylphenyl phosphite)	Mark PEP-36, Adekastab PEP-36(Adeka)	632.75	C35H54O6P2		Yes
A(2)-100	Tetraphenyl dipropyleneglycol diphosphite	JPP 100(Johoku Chemical)	566.52	C30H32O7P2		-
A(2)-110	1,1,3-Tris(2-methyl-4-di-tridecylphosphite-5-t-butylphenyl)butane	Mark 522A(Adeka)	1830.82	C115H211O9P3		-
A(2)-120	Tetraphenyl tetra(tridecyl)pentaerythritol tetraphosphite	JPP 613M(Johoku Chemical)	1425.83	C81H136O12P4		-
A(2)-200	3,4,5,6-Dibenzo-1,2-oxaphosphane-2-oxide	HCA(Sanko Chemical)	216.17	C12H9O2P		-
A(2)-201	3,5-Di-t-butyl-4-hydroxybenzylphosphite-diethylester	Irganox 1222(Ciba-Geigy)	356.44	C19H33O4P		-

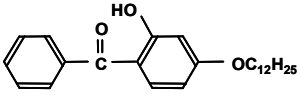
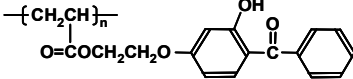
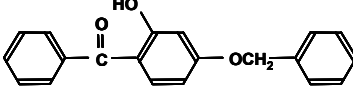
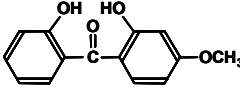
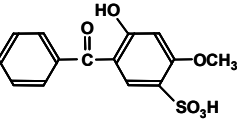
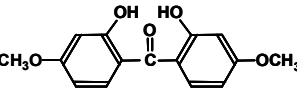
A(2)-305	Tetrakis(2,4-di- <i>t</i> -butyl-5-methylphenyl)-4,4'-biphenylene diphosphonite	GSY-P101(Sakai Chemical Industry)	1091.51	C72H100O4P2		Yes
A(3)-001	Dilauryl-3,3'-thiodipropionate	Sumilizer TPL-R(Sumitomo Chemical), DLTP(Mitsubishi Pharma), Seenox DL(Shipro Kasei Kaisha), Nocrac 400(Ouchishinko Chemical Industrial), Cyanox LTDT Cyanox LTDP(Am. Cyanamid)	514.84	C30H58O4S	$S-(CH_2CH_2COOC_{12}H_{25})_2$	Yes
A(3)-002	Ditridecyl-3,3'-thiodipropionate	Sumilizer TL(Sumitomo Chemical), Adekastab AO-503A ADK STAB AO-503A(Adeka), Cyanox 711(Am. Cyanamid)	542.44	C32H62O4S	$S-(CH_2CH_2COOC_{13}H_{27})_2$	Yes
A(3)-003	Dimyristyl-3,3'-thiodipropionate	Sumilizer TPM(Sumitomo Chemical), DMTP (Mitsubishi Pharma), Seenox DM(Shipro Kasei Kaisha), Rasmit MG(Dai-ichi Kogyo Seiyaku), Cyanox MTDP(Am. Cyanamid)	570.95	C34H66O4S	$S-(CH_2CH_2COOC_{14}H_{29})_2$	Yes

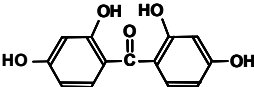
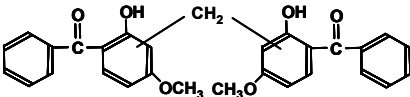
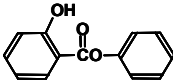
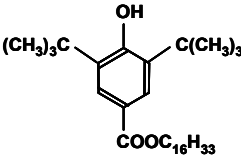
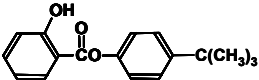
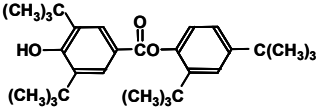
A(3)-004	Distearyl-3,3'-thiodipropionate	Sumilizer TPS(Sumitomo Chemical), DSTP (Mitsubishi Pharma), Seenox DS(Shipro Kasei Kaisha), OrnZsSG(Daiichi Kogyo), Cyanox STDP(Am. Cyanamid)	683.16	C42H82O4S	$S-(CH_2CH_2COOC_{18}H_{37})_2$	Yes
A(3)-020	Pentaerythryl tetra(beta-laurylthiopropionate)	Seenox 412S(Shipro Kasei Kaisha), Sumilizer TP-D(Sumitomo Chemical), Adekastab AO412S ADK STAB AO412S(Adeka)	1160.81	C65H124O8S4	$(C_{12}H_{25}SCH_2CH_2COOCH_2)_4C$	Yes
A(3)-040	Stearylthiopropionamide	Chemix 18-AD, Cheminox 18-AD(Chemipro Kasei Kaisha)	357.64	C21H43NOS	$C_{18}H_{37}SCH_2CH_2C(=O)NH_2$	Yes
A(3)-100	Bis[2-methyl-4-(3-n-alkyl (C12-C14) thiopropionyloxy)-5-t-butylphenyl]sulfide	Mark AO 23(Adeka)	902.54 - 958.60	C52H86O4S4 - C56H94O4S4	 <p>(R: C12 ~ C14 Alkyl)</p>	-
A(3)-200	Dioctadecyldisulfide	Hostanox SE10(Hoechst)	570.52	C36H74S2	$C_{18}H_{37}SSC_{18}H_{37}$	Yes
A(3)-300	2-Mercaptobenzimidazole	Sumilizer MB(Sumitomo Chemical)	150.03	C7H6N2S		-
A(3)-301	2-Mercapto-6-methylbenzimidazole	Nocrac MMB(Ouchishinko Chemical Industria)	164.04	C8H8N2S		-
A(3)-400	1,1'-Thiobis(2-naphthol)	Plastanox 61(Am. Cyanamid)	318.07	C20H14O2S		-

B(1)-001	2-(2'-Hydroxy-5'-methylphenyl)benzotriazole	Sumisorb 200(Sumitomo Chemical), Tinuvin P(Ciba-Geigy), Adekastab LA32(Adeka), Seesorb 701(Shipro Kasei Kaisha), Tomisord 100(Mitsubishi Pharma)	225.09	C13H11N3O		-
B(1)-002	2-(2'-Hydroxy-5'-t-octylphenyl)benzotriazole	Tinuvin PS(Ciba-Geigy), Chemisorb 78(Shipro Kasei Kaisha, Ltd.)	323.43	C20H25N3O		-
B(1)-010	2-(2'-Hydroxy-3',5'-di-t-butylphenyl)benzotriazole	Sumisorb 320(Sumitomo Chemical), Seesorb 705(Shipro Kasei Kaisha), Biosorb 582(Kyodo Chemical), Tinuvin 320(Ciba-Geigy)	323.20	C20H25N3O		-
B(1)-011	2-(2'-Hydroxy-3',5'-di-t-amylphenyl)benzotriazole	Sumisorb 320(Sumitomo Chemical), Tinuvin 328(Ciba-Geigy), Seesorb 704(Shipro Kasei Kaisha), Biosorb 591(Kyodo Chemical)	351.49	C22H29N3O		-
B(1)-012	2-(2'-Hydroxy-3'-dodecyl-5'-methylphenyl)benzotriazole	Tinuvin 571(Ciba-Geigy)	393.56	C25H35N3O		-
B(1)-013	2-[2'-Hydroxy-3',5'-bis(alpha,alpha-dimethylbenzyl)phenyl]-2H-benzotriazole	Tinuvin 234(Ciba-Geigy)	447.57	C30H29N3O		-

B(1)-015	<i>i</i> -octyl-3-[3-(2H-benzotriazol-2-yl)-5- <i>t</i> -butyl-4-hydroxyphenyl]propionate	Tinuvin 384-2(Ciba-Geigy)	451.28	C27H37N3O3		-
B(1)-015a	Methyl-3-[3- <i>t</i> -butyl-5-(2H-benzotriazol-2-yl)-4-hydroxyphenyl]propionic acid and polyethylene glycol 300	Tinuvin 1130(Ciba-Geigy)	603.31, 647.34, 924.46, 968.49, 282.17, 326.19	C31H45N3O9, C33H49N3O10, C50H64N6O11, C52H68N6O12, C12H26O7, C14H30O8	$R-(OCH_2CH_2)_6OH$ $R-(OCH_2CH_2)_6O-R$ $H-(OCH_2CH_2)_6OH$ $R = -(CH_2)_2C(=O)$ 	-
B(1)-020	2-[2-Hydroxy-3'-(3",4",5",6"-tetrahydrophthalimide methyl)-5'-methylphenyl]benzotriazole	Sumisorb 250(Sumitomo Chemical)	394.44	C22H22N4O3		Yes
B(1)-050	2-(2'-Hydroxy-3'- <i>t</i> -butyl-5'-methylphenyl)-5-chlorobenzotriazole	Sumisorb 300(Sumitomo Chemical), Adekastab 326(Adeka), Seesorb 703(Shipro Kasei Kaisha), Biosorb 550(Kyodo Chemical), Tinuvin 326(Ciba-Geigy)	315.11	C17H18ClN3O		-
B(1)-051	2-(2'-Hydroxy-3',5'-di- <i>t</i> -butylphenyl)-5-chlorobenzotriazole	Tinuvin 327(Ciba-Geigy), Biosorb 580(Kyodo Chemical), Chemisorb 72(Chemipro Kasei Kaisha)	357.88	C20H24ClN3O		-

B(1)-100	2,2'-Methylenebis[4-(1,1,3,3-tetramethylbutyl)-6-(2H-benzotriazole-2-yl)phenol]	Mark LA-31, Adekastab LA31(Adeka)	658.87	C41H50N6O2		-
B(1)-101	Condensation product of methyl-3-[3-t-butyl-5-(2H-benzotriazole-2-yl)-4-hydroxyphenyl]propionate and PEG 300	Tinuvin 213(Ciba-Geigy)	-	-		-
B(2)-010	2,4-Dihydroxybenzophenone	Seesorb 100(Shipro Kasei Kaisha), Uvinul 400(BASF), Inhibitor DHP(BASF), DHB Riedel(Hoechst)	214.06	C13H10O3		-
B(2)-011	2-Hydroxy-4-methoxybenzophenone	Sumisorb 110(Sumitomo Chemical), Seesorb 101(Shipro Kasei Kaisha), Biosorb 110(Kyodo Chemical), Cyasorb UV-9(Am. Cyanamid), Uninul M-40, Uvinul M-40(BASF)	228.08	C14H12O3		-
B(2)-012	2-Hydroxy-4-n-octoxybenzophenone	Sumisorb 130(Sumitomo Chemical), Seesorb 102(Shipro Kasei Kaisha), Cyasorb UV-531(Am. Cyanamid), Uvinul M-40(BASF), ADK STAB 1413(Adeka)	326.19	C21H26O3		-

B(2)-013	2-Hydroxy-4-n-dodecyloxybenzophenone	Seesorb 103(Shipro Kasei Kaisha), Chemisorb 13(Chemipro Kasei Kaisha), DOBP(Eastman Chem.)	382.54	C25H34O3		-
B(2)-015	Poly-4-(2-acryloxyethoxy)-2-hydroxybenzophenone	Cyasorb UV-2126(Am. Cyanamid)	-	-		-
B(2)-016	2-Hydroxy-4-benzyloxybenzophenone	Seesorb 105(Shipro Kasei Kaisha), Sumisorb 120(Sumitomo Chemical), Chemisorb 15(Chemipro Kasei Kaisha)	304.11	C20H16O3		-
B(2)-020	2,2'-Dihydroxy-4-methoxybenzophenone	Cyasorb UV-24(Am. Cyanamid), Sumisorb 140(Sumitomo Chemical), Chemisorb 111(Chemipro Kasei Kaisha)	244.07	C14H12O4		-
B(2)-025	2-Hydroxy-4-methoxy-5-sulfoxybenzophenone	Uvinul MS-40(BASF), HMBS Riedel(Hoechst)	308.04	C14H12O6S		-
B(2)-030	2,2'-Dihydroxy-4,4'-dimethoxybenzophenone	Uvinul D-49(BASF), Chemisorb 1011(Chemipro Kasei Kaisha)	274.08	C15H14O5		-

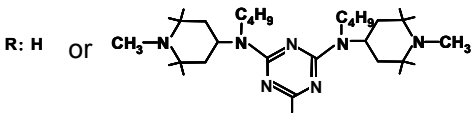
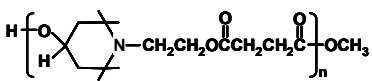
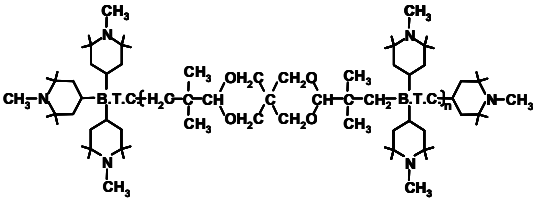
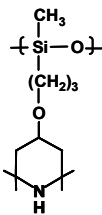
B(2)-031	2,2',4,4'-Tetrahydroxybenzophenone	Uvinul D-50(BASF), Sumisorb 150(Sumitomo Chemical), Chemisorb 1001(Chemipro Kasei Kaisha)	246.05	C13H10O5		-
B(2)-100	Bis(5-benzoyl-4-hydroxy-2-methoxyphenyl)methane	Mark LA-51(Adeka)	468.16	C29H24O6		Yes
B(3)-001	Phenyl salicylate	Seesorb 201(Shipro Kasei Kaisha)	214.06	C13H10O3		-
B(3)-002	2,5-Di-t-butyl-4-hydroxybenzoic acid, n-hexadecyl ester	Cyasorb UV 2908(Am. Cyanamid)	474.76	C31H54O3		-
B(3)-010	4-t-Butylphenyl salicylate	Seesorb 202(Shipro Kasei Kaisha), Biosorb 90(Kyodo Chemical)	270.13	C17H18O3		Yes
B(3)-030	2,4-Di-t-butylphenyl-3',5'-di-t-butyl-4'-hydroxybenzoate	Tinuvin 120(Ciba-Geigy), Sumisorb 400(Sumitomo Chemical), Seesorb 712(Shipro Kasei Kaisha), Chemisorb 112(Chemipro Kasei Kaisha), UV-Check AM-340(Ferro)	438.64	C29H42O3		Yes

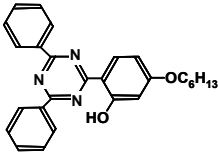
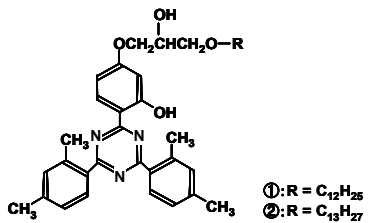
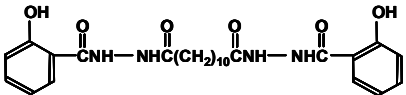
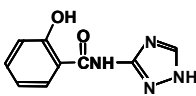
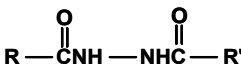
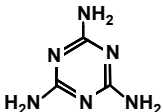
B(4)-001	Ethyl(beta,beta-diphenyl) cyanoacrylate	Seesorb 501(Shipro Kasei Kaisha), Biosorb 910(Kyodo Chemical), Univul N-539 (BASF)	277.11	C ₁₈ H ₁₅ NO ₂		-
B(4)-002	2-Ethylhexyl(beta,beta-diphenyl) cyanoacrylate	Univul N-539(BASF)	361.48	C ₂₄ H ₂₇ NO ₂		-
B(8)-010	2,2'-Thiobis(4-t-octylphenolate)-n-butylamine nickel II	Cyasorb UV-1084(Am. Cyanamid)	572.51	C ₃₂ H ₅₁ NNiO ₂ S		-
B(8)-011	2,2'-Thiobis(4-t-octylphenolate)-2-ethylhexylamine nickel II	Seesorb 612NH(Shipro Kasei Kaisha)	628.62	C ₃₆ H ₅₉ NNiO ₂ S		-
B(8)-100	Nickel dibutyldithiocarbamate	Antigene NBC(Sumitomo Chemical), UV-Check AM-104(Ferro)	467.45	C ₁₈ H ₃₆ N ₂ NiS ₄		Yes
B(9)-005	2,2,6,6-tetramethyl-4-piperidinyl alkanoate	Cyasorb UV-3853(Am. Cyanamid)	-	-		-

B(9)-050	[4-(4-hydroxy-3,5-di- t-butylphenyl)propion- yl]-N- (4-hydroxy-3,5-di-t- butylphenyl) methyl-2,2,6,6- tetramethylpiperidin- e	Sanol LS 2626(Sankyo)	722.05	C45H71NO6		Yes
B(9)-101	Bis(2,2,6,6- tetramethyl-4- piperidyl)sebacate	Sanol LS 770(Sankyo), ADK STAB LA-77(Adeka), Tomisorb 77(Mitsubishi Pharma), Tinuvin 770(Ciba- Geigy)	480.72	C28H52N2O4		Yes
B(9)-150	Bis(N-methyl- 2,2,6,6-tetramethyl- piperidyl)sebacate	Sanol LS 765(Sankyo), Tinuvin 765(Ciba-Geigy)	508.78	C30H56N2O4		-
B(9)- 150a	Mixture of : Bis(1,2,2,6,6- pentamethyl-4- piperidyl)-sebacate and 1-Methyl-8- (pentamethyl-4- piperidyl) sebacate	Tinuvin 292(Ciba-Geigy)	508.78, 369.54	C30H56N2O4 + C21H39NO4		-
B(9)-151	Bis(1,2,2,6,6- pentamethyl-4- piperidyl)-2-(3,5-di-t- butyl-4- hydroxybenzyl)-2-n- butylmalonate	Tinuvin 144(Ciba-Geigy)	685.03	C42H72N2O5		Yes

B(9)-160	Decanedioic acid, bis (2,2,6,6-tetramethyl-1-(octyloxy)-4-piperidiny) ester	Tinuvin 123(Ciba-Geigy)	737.15	C44H84N2O6		Yes
B(9)-250	Condensation product of 1,2,3,4-butanetetracarboxylic acid and 1,2,2,6,6-pentamethyl-4-piperidinol and tridecylalcohol	Mark LA-62(Adeka)	875.69	C51H93N3O8		Yes
B(9)-300	Tetrakis (2,2,6,6-tetramethyl-4-piperidyl)-1,2,3,4-butanetetracarboxylate	Mark LA-57(Adeka)	791.11	C44H78N4O8		Yes
B(9)-350	Tetrakis (1,2,2,6,6-pentamethyl-4-piperidyl)-1,2,3,4-butanetetracarboxylate	Mark LA-52(Adeka)	847.22	C48H86N4O8		Yes
B(9)-400	Poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-di-yl] [(2,2,6,6-tetramethyl-4-piperidyl)imino]hexamethylene[(2,2,6,6-tetramethyl-4-piperidyl)imino]]	Chimassorb 944 LD, Chimassorb 944 FD(Ciba-Geigy)	-	-		-

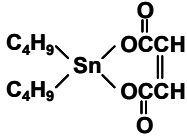
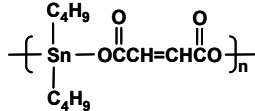
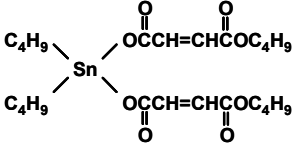
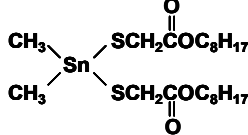
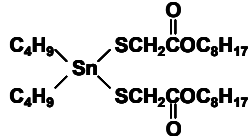
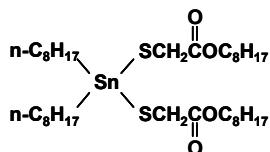
B(9)-401	Poly[(6-morpholino-triazine-2,4-diyl) [(2,2,6,6-tetramethyl-4-piperidyl) imino]-hexamethylene[(2,2,6,6-tetramethyl-4-piperidyl) imino]]	Cyasorb UV-3346(Am. Cyanamid)	-	-		-
B(9)-402	Poly[(6-morpholino-triazine-2,4-diyl) [(1,2,2,6,6-pentamethyl-4-piperidyl)imino]-hexamethylene[(1,2,2,6,6-pentamethyl-4-piperidyl)imino]]	Cyasorb UV-5329(Am. Cyanamid)	-	-		-
B(9)-403	Polymeric hindered amine light stabilizer	Chimassorb 2020FD(Ciba-Geigy)	-	-		-
B(9)-410	Condensation product of 1,2,3,4-butanetetracarboxylic acid and 2,2,6,6-tetramethyl-4-piperidinol and beta,beta,beta',beta'-tetramethyl-3,9-(2,4,8,10-tetraoxaspiro [5,5] undecane)diethanol	Mark LA-68(Adeka)	-	-	<p style="text-align: center;"> $\begin{array}{c} \text{CH}_2\text{COO}- \\ \\ \text{CH COO}- \\ \\ \text{CH COO}- \\ \\ \text{CH}_2\text{COO}- \end{array}$ </p>	-

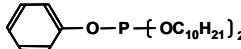
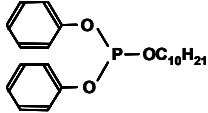
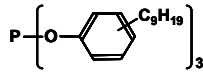
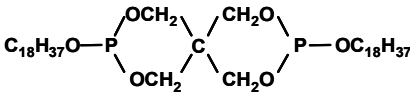
B(9)-450	N,N'-Bis(3-aminopropyl)ethylenediamine-2,4-bis[N-butyl-N-(1,2,2,6,6-pentamethyl-4-piperidyl)amino]-6-chloro-1,3,5-triazine	Chimassorb 119 FL(Ciba-Geigy)	174.18 or 2284.05	C ₈ H ₂₂ N ₄ or C ₁₃₂ H ₂₅₀ N ₃₂	$R - NH - (CH_2)_3 N - (CH_2)_2 N - (CH_2)_3 - NH - R$ <p>R: H OR </p>	-
B(9)-451	Dimethyl succinatepolymer with tetramethyl hydroxy-1-hydroxyethyl piperidine	Tinuvin 622LD(Ciba-Geigy)	-	-		-
B(9)-452	Condensation products of 1,2,3,4-butanetetracarboxylic acid and 1,2,2,6,6-pentamethyl-4-piperidinol and beta,beta,beta',beta'-tetramethyl-3,9-(2,4,8,10-tetraoxaspiro [5,5] undecane)diethanol	Mark LA-63(Adeka)	-	-	 <p>B.T.C. :</p> $\begin{array}{l} \text{CH}_2\text{COO} - \\ \\ \text{CH COO} - \\ \\ \text{CH COO} - \\ \\ \text{CH}_2\text{COO} - \end{array}$	-
B(9)-490	Poly[methyl-3-oxy-(2,2,6,6-tetramethyl-4-piperidyl)propylsiloxane]	Uvasil 299(EniChem)	-	-		-

B(10)-010	2-(4,6-diphenyl-1,3,5-triazine-2-yl)-5-[(hexyl)oxy]-phenol	Millad 3988(Miliken Chemical)	425.52	C ₂₇ H ₂₇ N ₃ O ₂		-
B(10)-015	(1) 2-[4-[(2-hydroxy-3-dodecyloxypropyl)oxy]-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine (2) 2-[4-[(2-hydroxy-3-tridecyloxypropyl)oxy]-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine	Tinuvin 400(Ciba-Geigy)	639.87 + 653.86	C ₄₀ H ₅₃ N ₃ O ₄ + C ₄₁ H ₅₅ N ₃ O ₄		-
C(1)-003	Decanedicarboxylic acid, disalythylhydrazide	Mark CDA-6(Adeka)	498.57	C ₂₆ H ₃₄ N ₄ O ₆		Yes
C(2)-010	3-(N-salicyloyl)amino-1,2,4-triazole	Mark CDA-1(Adeka)	204.06	C ₉ H ₈ N ₄ O ₂		Yes
C(2)-020	Acid amide	Stabinol CS-42(Sumitomo Chemical)	-	-		-
C(2)-030	Melamine	Mark ZS-27 (Blend with other chemicals)(Adeka Corporation)	126.07	C ₃ H ₆ N ₆		-

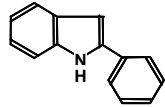
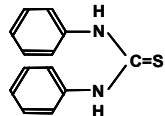
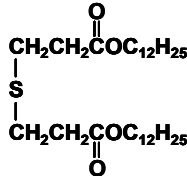
D(3)-001	Lithium stearate	(Shinagawa Chemical Industry), Kouseistab Li-St(), S-7000(Sakai Chemical Industry), Li-St(Katsuta Kako)	290.28	C18H35LiO2	Li(C₁₇H₃₅COO)	Yes
D(3)-010	Magnesium stearate	SM #1000(Sakai Chemical Industry), Kouseistab Mg-St(), NS-M(Namariichi Chemical)	591.74	C36H70MgO4	Mg (C₁₇H₃₅COO)₂	Yes
D(3)-030	Calcium stearate	SC #100(Sakai Chemical Industry), Kouseistab Ca-St(), CS-2, EC-102(Shinagawa Chemical Industry), NF-SC(Ferro), (NOF), (Kawamura Chemical)	607.02	C36H70CaO4	Ca (C₁₇H₃₅COO)₂	Yes
D(3)-040	Zinc stearate	Stabinex NT-Z1(Mizusawa Industrial Chemicals), KS-100(Kikuchi Color & Chemicals), SZ #2000(Sakai Chemical Industry), (Kawamura Chemical)	632.35	C36H70O4Zn	Zn (C₁₇H₃₅COO)₂	Yes
D(3)-043	Zinc 2-ethylhexanoate	Octope Zn(Hope Chemical)	351.82	C16H30O4Zn	Zn [CH₃(CH₂)₃CHCOO]₂ $\begin{array}{c} \text{C}_2\text{H}_5 \\ \\ \text{CH}_3(\text{CH}_2)_3\text{CHCOO} \end{array}$	-
D(3)-060	Barium stearate	(Shinagawa Chemical Industry), SB(Sakai Chemical Industry), Ba-St, BS-1(), NS-FB(Nissan Chemical Industries))	704.27	C36H70BaO4	Ba (C₁₇H₃₅COO)₂	Yes

D(3)-063	Barium ricinoleate	Kouseistab BS-5()	732.39	C36H66BaO6	$\text{Ba} \left[\text{CH}_3(\text{CH}_2)_5 \overset{\text{OH}}{\text{C}} \text{HCH}_2\text{CH}=\text{CH}(\text{CH}_2)_7\text{COO} \right]_2$	Yes
D(3)-072	Lead 2-ethylhexanoate	Octope Pb(Hope Chemical)	493.61	C16H30O4Pb	$\text{Pb} \left[\text{CH}_3(\text{CH}_2)_3 \overset{\text{C}_2\text{H}_5}{\text{C}} \text{HCOO} \right]_2$	-
D(3)-110	Dibasic lead phthalate	DLF	817.71	C8H4O6Pb3	$2\text{PbO} \cdot \text{Pb}(\text{C}_8\text{H}_4\text{O}_4)$	-
D(3)-120	Zinc benzoate	-	307.64	C14H9O4Zn	$\text{Zn} \left(\text{C}_6\text{H}_5\text{COO} \right)_2$	-
D(3)-121	p-t-Butyl zinc benzoate	Kouseistab Z-46()	363.74	C18H18O4Zn	$\text{Zn} \left((\text{CH}_3)_3\text{C}-\text{C}_6\text{H}_4\text{COO} \right)_2$	-
D(3)-125	p-t-Butyl barium benzoate	-	435.66	C18H18BaO4	$\text{Ba} \left((\text{CH}_3)_3\text{C}-\text{C}_6\text{H}_4\text{COO} \right)_2$	-
D(4)-001	Dibutyltin dilaurate	ADK STAB BT-11(Adeka), Stann-SNT-1F(Sankyo Organic Chemicals), TS-101, -102, -110(), Advastab T-12PJ(Katsuta Kako), TN-10(Sakai Chemical Industry)	631.56	C32H64O4Sn	$\text{C}_4\text{H}_9 \text{---} \text{Sn} \begin{matrix} \text{---} \text{O} \\ \text{---} \text{C} \\ \text{---} \text{O} \end{matrix} \text{C}_{11}\text{H}_{23}$	-
D(4)-002	Di-n-octyltin dilaurate	ADK STAB OT-1(Adeka), Stann BL(Sankyo Organic Chemicals), FD-10B, -10C(), Advastab T-12PJ(Katsuta Kako), Kouseistab T-1200J()	723.77	C40H80O4Sn	$\text{C}_8\text{H}_{17} \text{---} \text{Sn} \begin{matrix} \text{---} \text{O} \\ \text{---} \text{C} \\ \text{---} \text{O} \end{matrix} \text{C}_{11}\text{H}_{23}$	-

D(4)-100	Dibutyltin dimaleate	Stanclere TM(Akzo)	346.99	C ₁₂ H ₂₀ O ₄ Sn		-
D(4)-110	Dibutyltin maleate polymer	KS-18(), Advastab T-116J(Katsuta Kako)	-	-		-
D(4)-120	Dibutyltin bis(butyl maleate)	(Adeka), (Sankyo Organic Chemicals), (Katsuta Kako)	575.78	C ₂₄ H ₄₀ O ₈ Sn		-
D(4)-405	Dimethyltin bis(octyl thioglycolate)	(Tokyo Fine Chemical), (Katsuta Kako)	559.45	C ₂₂ H ₄₈ O ₄ S ₂ Sn		-
D(4)-415	Dibutyltin bis(octyl thioglycolate)	(Tokyo Fine Chemical), (Katsuta Kako), (Adeka)	643.61	C ₂₈ H ₆₀ O ₄ S ₂ Sn		-
D(4)-425	Di-n-octyltin bis(isooctyl thioglycolate)	Stan OMZ-41F(Sankyo Organic Chemicals), TVS #8831(Nitto Kasei), ADK STAB 465E(Adeka)	755.83	C ₃₆ H ₇₂ O ₄ S ₂ Sn		-
D(5)-001	Tris(2-ethylhexyl) phosphite	JP 351(Johoku Chemical)	418.63	C ₂₄ H ₅₁ O ₃ P	$[\text{C}_8\text{H}_{17}\text{O}]_3\text{P}$	-
D(5)-002	Tris(isodecyl) phosphite	JP 310(Johoku Chemical), Chelex-TD(Sakai Chemical Industry)	502.79	C ₃₀ H ₆₃ O ₃ P	$[\text{C}_{10}\text{H}_{21}\text{O}]_3\text{P}$	-

D(5)-003	Tristearyl phosphite	JP 318E(Johoku Chemical), Chelex-S(Sakai Chemical Industry)	839.43	C54H111O3P	$[\text{C}_{18}\text{H}_{37}\text{O}]_3\text{P}$	-
D(5)-010	Phenyldiisodecyl phosphite	Chelex-D(Sakai Chemical Industry), PDDP(Sanko Chemical), ADK STAB 517(Adeka)	438.62	C26H47O3P		-
D(5)-020	Diphenylisodecyl phosphite	Chelex-MD(Sakai Chemical Industry), JPM 311(Johoku Chemical), DPDP(Sanko Chemical), ADK STAB 135A(Adeka)	374.45	C22H31O3P		-
D(5)-032	Tris(nonylphenyl) phosphite	Sumilizer TNP(Sumitomo Chemical), ADK STAB TNP(Adeka), JP-351(Johoku Chemical), Weston 399(Borg Warner), Chelex TM(Sakai Chemical Industry)	688.50	C45H69O3P		-
D(5)-040	Trilauryl trithio phosphite	Weston TLTP(Borg Warner), Chelex LT-3(Sakai Chemical Industry), JPS312(Johoku Chemical)	635.15	C36H75PS3	$[\text{C}_{12}\text{H}_{25}\text{S}]_3\text{P}$	Yes
D(5)-101	Distearyl pentaerythritol diphosphite	Weston 618(Borg Warner), JPP 681S(Johoku Chemical), ADK STAB PEP-8(Adeka)	733.03	C41H82O6P2		Yes
D(6)-001	Epoxy resin	Mark EP-13(Adeka)	-	-		-

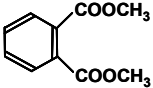
D(6)-010	Epoxidized soybean oil	ADK CIZER O-130S, -130P(Adeka), NF-3000(Tokyo Fine Chemical), Estabax E 2307(Akzo)	-	-	$\begin{array}{c} \text{CH}_2\text{OCOCH}_2\text{CHCHR} \\ \\ \text{CHOCOR}' \\ \\ \text{CH}_2\text{OCOR}' \end{array}$	-
D(6)-020	Epoxidized 2-ethylhexyl stearate	Epocizer(Dainippon Ink and Chemicals), ADK CIZER D-32(Adeka)	410.67	C26H50O3	$\begin{array}{c} \text{O} \\ \\ \text{C}_{17}\text{H}_{33}\text{COCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ \text{O} \end{array}$	Yes
D(6)-041	Sorbitol	-	182.08	C6H14O6	$\begin{array}{c} \text{OH} \quad \text{OH} \quad \text{H} \quad \text{OH} \\ \quad \quad \quad \\ \text{HOCH}_2 - \text{C} - \text{C} - \text{C} - \text{C} - \text{CH}_2\text{OH} \\ \quad \quad \quad \\ \text{H} \quad \text{H} \quad \text{OH} \quad \text{H} \end{array}$	-
D(6)-042	Trimethylolpropane	-	134.09	C6H14O3	$\text{CH}_3\text{CH}_2\text{C}(\text{CH}_2\text{OH})_3$	-
D(6)-043	Pentaerythritol	-	136.07	C5H12O4	$\begin{array}{c} \text{CH}_2\text{OH} \\ \\ \text{HOCH}_2\text{CCH}_2\text{OH} \\ \\ \text{CH}_2\text{OH} \end{array}$	-
D(6)-044	Dipentaerythritol	-	254.14	C10H22O7	$(\text{HOCH}_2)_3\text{CCH}_2\text{OCH}_2\text{C}(\text{CH}_2\text{OH})_3$	-
D(6)-200	Dibenzoylmethane	Rhodiastab 83(Rhone Poulenc)	224.08	C15H12O2		-
D(6)-210	Dehydroacetic acid	(Nippon Synthetic Chemical)	168.15	C8H8O4		-
D(6)-211	Ethyl acetoacetate	(Daicel Chemical Industries), (Nippon Synthetic Chemical)	130.06	C6H10O3	$\text{CH}_3\text{C}(=\text{O})\text{CH}_2\text{C}(=\text{O})\text{OC}_2\text{H}_5$	-

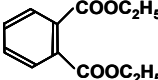
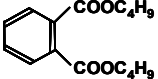
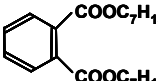
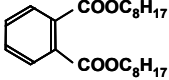
D(6)-300	2-Phenylindole	Advastab P-10J(Katsuta Kako)	193.24	C ₁₄ H ₁₁ N		-
D(6)-305	1,3-Diphenyl-2-thiourea	(Ouchishinko Chemical Industrial)	228.31	C ₁₃ H ₁₂ N ₂ S		-
D(6)-400	Dilauryl-3,3'-thiodipropionate	Sumilizer TPL-R(Sumitomo Chemical), DLTP(Mitsubishi Pharma), Seenox DL(Shipro Kasei Kaisha), Nocrac 400(Ouchishinko Chemical Industrial), Cyanox LTDT Cyanox LTDP(Am. Cyanamid)	514.84	C ₃₀ H ₅₈ O ₄ S		-
G(1)-001	Liquid paraffin	(Idemitsu Kosan), (Kyowayuka Kogyo), (Matsumura Oil), (ExxonMobil), (Union Sekiyu Kogyo), (Witco Chem)	-	-	-	-
G(1)-002	Paraffin wax	(Taniguchi Petroleum Refining), (Nippon Seiro), (Nippon Oil), (ExxonMobil)	-	-	C ₂₀ ~ C ₃₀	-
G(1)-005	Polyethylene, low molecular weight	SANWAX(Sanyo Chemical Industries), Mitsui Hi-wax(Mitsui Chemicals), Kalen A-73(Tokyo Fine Chemical), BASF WAX(BASF), Hoechst Wax PE520(Hoechst)	-	-	-[CH ₂ CH ₂] _n -	-

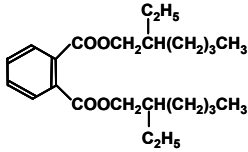
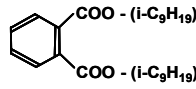
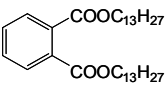
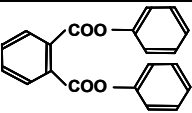
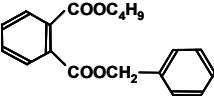
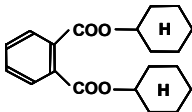
G(1)-010	Polypropylene, low molecular weight	VISCOL 550-P, etc (Sanyo Chemical Industries)	-	-	$\text{---}(\text{CH}_2\text{CH})_n\text{---}$ CH_3	-
G(2)-003	Cetylalcohol	NAA-44(NOF)	242.26	C16H34O	$\text{CH}_3(\text{CH}_2)_{14}\text{CH}_2\text{OH}$	-
G(2)-005	Stearylalcohol	KALCOL 80, etc(Kao), (New Japan Chemical), NAA-45(NFO)	270.29	C18H38O	$\text{CH}_3(\text{CH}_2)_{16}\text{CH}_2\text{OH}$	-
G(2)-100	Ethyleneglycol	-	62.04	C2H6O2	$\text{HOCH}_2\text{CH}_2\text{OH}$	-
G(2)-200	Polyethyleneglycol	(Sanyo Chemical Industries), (Yokkaichi Chemical Company), (NOF)	-	-	$\text{HO---}(\text{CH}_2\text{CH}_2\text{O})_n\text{---H}$	-
G(3)-005	Stearic acid	ADEKA FATTY ACID SA-200, etc(Adeka), LUNAC S-30, etc(Kao), F-3, VLZ-66, etc(Kawaken Fine Chemicals), (NOF), (Miyoshi Oil & Fat)	284.27	C18H36O2	$\text{CH}_3(\text{CH}_2)_{16}\text{COOH}$	-
G(3)-100	12-Hydroxystearic acid	KOW(Kawaken Fine Chemicals), (Kokura Synthetic Industries), Lexiol G21(Henkel)	300.27	C18H36O3	$\text{CH}_3(\text{CH}_2)_5\text{CH}(\text{CH}_2)_{10}\text{COOH}$ OH	-
G(4)-005	Ethyl palmitate	-	284.48	C18H36O2	$\text{CH}_3(\text{CH}_2)_{14}\text{COOC}_2\text{H}_5$	-
G(4)-010	n-Butyl stearate	EXCEPARL BS(Kao), Butyl Stearate(Kawaken Fine Chemicals), ADK CIZER LS-8(Adeka)	340.58	C22H44O2	$\text{CH}_3(\text{CH}_2)_{16}\text{COOC}_4\text{H}_9$	-

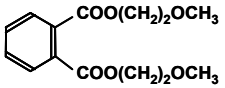
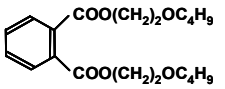
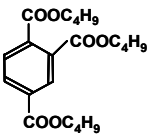
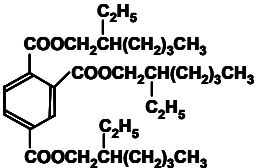
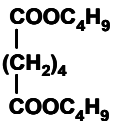
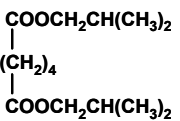
G(5)-205	Ethyleneglycol monostearate	(Kawaken Fine Chemicals), (Chuokasei)	328.53	C20H40O3	$\text{CH}_3(\text{CH}_2)_{16}\text{COOCH}_2\text{CH}_2\text{OH}$	-
G(5)-215	Stearic acid monoglyceride	EXCEL T-95, EXCEL 150(Kao), Rikemal S-100, Rikemal S-200(Riken Vitamin)	358.56	C21H42O4	$\begin{array}{c} \text{CH}_2\text{OCOC}_{17}\text{H}_{35} \\ \\ \text{CHOH} \\ \\ \text{CH}_2\text{OH} \end{array}$	-
G(6)-001	Zinc 2-ethylhexanoate	-	351.82	C16H30O4Zn	$\begin{array}{c} \text{C}_2\text{H}_5 \\ \\ \text{Zn} [\text{CH}_3(\text{CH}_2)_3\text{CHCOO}]_2 \end{array}$	-
G(6)-010	Calcium recinolate	-	634.98	C36H66CaO6	$\begin{array}{c} \text{OH} \\ \\ \text{Ca}[\text{CH}_3(\text{CH}_2)_6\text{CHCH}=\text{C}_7\text{H}_{14}\text{COO}]_2 \end{array}$	-
G(6)-014	Calcium stearate	SC(Sakai Chemical Industry), (Shinagawa Chemical Industry), Stabinex NT-C1(Mizusawa Industrial Chemicals)	607.02	C36H70CaO4	$\text{Ca}(\text{C}_{17}\text{H}_{35}\text{COO})_2$	-
G(6)-015	Magnesium stearate	SM #1000(Sakai Chemical Industry)	591.74	C36H70MgO4	$\text{Mg}(\text{C}_{17}\text{H}_{35}\text{COO})_2$	-
G(6)-017	Cadmium stearate	DS-10(Katsuta Kako), KS-100(Kikuchi Color & Chemicals)	679.35	C36H70CdO4	$\text{Cd}(\text{C}_{17}\text{H}_{35}\text{COO})_2$	-
G(6)-018	Lead stearate	NS-100(Kikuchi Color & Chemicals),	774.14	C36H70O4Pd	$\text{Pb}(\text{C}_{17}\text{H}_{35}\text{COO})_2$	-

G(6)-019	Dibasic lead stearate	Stabinex NC-Z1(Mizusawa Industrial Chemicals), Kouseistab Pb-St(), SL #1000(Sakai Chemical Industry), NS-2(Shinagawa Chemical Industry), NF-SP(Nissan Chemical Industries), NS-P()	1220.54	C36H70O6Pd3	$2\text{PbO} \cdot \text{Pb}(\text{C}_{17}\text{H}_{35}\text{COO})_2$	-
G(6)-105	Lithium 12-hydroxystearate	-	306.27	C18H35LiO3	$\text{CH}_3(\text{CH}_2)_5\underset{\text{OH}}{\text{CH}}(\text{CH}_2)_{10}\text{COOLi}$	-
G(7)-023	Sodium montanoate	Hostamont NaV 101(Hoechst)	444.39 - 500.46	C28H53O2Na - C32H61O2Na	$\text{C}_n\text{H}_{2n-1}\text{COONa}$ (n=27~31)	-
G(7)-030	Partially esterified montan wax	Hoechst Wax OP(Hoechst)	-	-	-	-
G(7)-050	Carnauba wax	(Arakawa Chemical Industries), (Shinko Chemical)	-	-	-	-
G(7)-060	Bee's wax	-	-	-	-	-
G(8)-001	Lauric acid amide	Diamide Y(Nippon Kasei Chemical)	199.19	C12H25NO	$\text{CH}_3(\text{CH}_2)_{10}\overset{\text{O}}{\parallel}\text{CNH}_2$	-
G(8)-003	Stearic acid amide	Diamide S, Amide AP-1(Nippon Kasei Chemical), Neutron-2(Nippon Fine Chemical), Alflow S-10(NOF)	283.49	C18H37NO	$\text{CH}_3(\text{CH}_2)_{16}\overset{\text{O}}{\parallel}\text{CNH}_2$	-

G(8)-004	Oleic acid amide	Diamide O(Nippon Kasei Chemical), Neutron(Nippon Fine Chemical), Armoslip(Lion Akzo)	281.48	C18H35NO	$\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\overset{\text{O}}{\parallel}\text{CNH}_2$	-
G(8)-005	Erucic acid amide	Diamide L-200(Nippon Kasei Chemical), Neutron-22(Nippon Fine Chemical), Armoslip E(Lion Akzo), Alflow P-10(NOF)	337.58	C22H43NO	$\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_{11}\overset{\text{O}}{\parallel}\text{CNH}_2$	-
G(8)-030	N-Oleyl palmitamide	PNT(Nippon Fine Chemical)	505.52	C34H67NO	$\text{CH}_3(\text{CH}_2)_{14}\overset{\text{O}}{\parallel}\text{CNH}(\text{CH}_2)_8\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_3$	-
G(8)-106	Ethylenebis stearamide	Kao wax EB-P(Kao), Slipax L(Nippon Kasei Chemical), Armowax EBS-P, etc(Lion Akzo), SN wax 22-DS, etc()	593.02	C38H76N2O2	$\text{C}_{17}\text{H}_{35}\overset{\text{O}}{\parallel}\text{C}\text{NH}(\text{CH}_2)_2\text{NH}\overset{\text{O}}{\parallel}\text{CC}_{17}\text{H}_{35}$	Yes
G(8)-200	Polycondensation product of ethylenediamine, stearic acid and sebacic acid	Light-amide WH-255, Light-amide WH-215, (Kyoisha Chemical)	-	-	$\text{C}_{17}\text{H}_{35}\overset{\text{O}}{\parallel}\text{CNH}(\text{CH}_2)_2\text{NH}[\overset{\text{O}}{\parallel}\text{C}(\text{CH}_2)_8\overset{\text{O}}{\parallel}\text{CNH}(\text{CH}_2)_2\text{NH}]_n\overset{\text{O}}{\parallel}\text{CC}_{17}\text{H}_{35}$	-
G(9)-001	Polydimethylsiloxane	KF 96 L, etc(Shin-Etsu Silicones), TSF 451, etc(GE Toshiba Silicones), SM 510, etc(Dow Corning Toray)	-	-	$\begin{array}{c} \text{CH}_3 \\ \\ \text{-(Si-O)}_n \\ \\ \text{CH}_3 \end{array}$	-
H(1)-001	Dimethyl phthalate	DMP(Kyowa Hakko Kogyo), (Daihachi Chemical Industry), (Kurogane Kasei)	194.06	C10H10O4		-

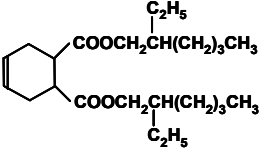
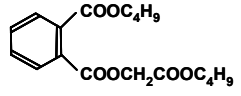
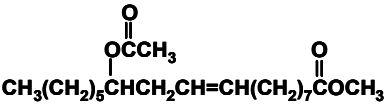
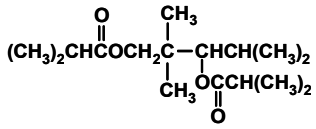
H(1)-002	Diethyl phthalate	(Kyowa Hakko Kogyo), (Daihachi Chemical Industry), (Eastman Chem.), (W. R. Grace)	222.09	C12H14O4		-
H(1)-005	Dibutyl phthalate	DBP(Kyowa Hakko Kogyo), Sansocizer DBP(New Japan Chemical), Monocizer DBP(Dainippon Ink and Chemicals), (Chisso), (Kurogane Kasei), (Daihachi Chemical Industry)	278.34	C16H22O4		-
H(1)-009	Diheptyl phthalate	Sansocizer DHP(New Japan Chemical), Chissocizer DHP(Chisso), (Daihachi Chemical Industry), (Kurogane Kasei), (Daihachi Chemical Industry), (Sekisui Chemical)	362.24	C22H34O4		-
H(1)-011	Di-n-octyl phthalate	DnOP(Kyowa Hakko Kogyo), Chissocizer nDOP(New Japan Chemical), N- DOP(Daihachi Chemical Industry)	390.56	C24H38O4		-

H(1)-012	Bis(2-ethylhexyl) phthalate	Vincizer 80(Kao), Sansocizer DOP(New Japan Chemical), Diacizer DOP(Mitsubishi Chemical MKV), Monocizer DOP(Dainippon Ink and Chemicals), Chissocizer DOP(New Japan Chemical)	390.56	C24H38O4		-
H(1)-015	Diisononyl phthalate	Sansocizer DINP(New Japan Chemical), Diacizer DINP(Mitsubishi Chemical MKV), Monocizer DNP(Dainippon Ink and Chemicals), (Daihachi Chemical Industry), (Wacker Chemie)	418.61	C26H42O4		-
H(1)-021	Ditridecyl phthalate	Vincizer 20(Kao)	530.82	C34H58O4		-
H(1)-040	Diphenyl phthalate	Diphenyl Phthalate(Kurogane Kasei)	318.09	C20H14O4		-
H(1)-052	Butylbenzyl phthalate	Diacizer 160(Mitsubishi Chemical MKV), (Daihachi Chemical Industry), Santicizer 160(Monsanto), (Bayer)	312.14	C19H20O4		-
H(1)-061	Dicyclohexyl phthalate	DCHP(Osaka Organic Chemical Industry), (Pfizer), Edenol DCHP(Henkel)	330.42	C20H26O4		-

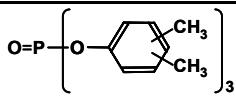
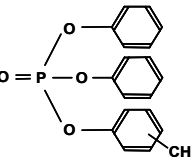
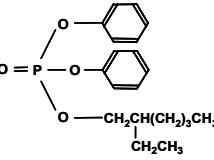
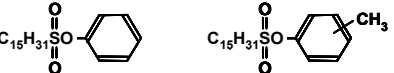
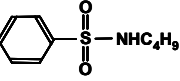
H(1)-070	Dimethoxyethyl phthalate	(Stauffer Chem.)	282.11	C14H18O6		-
H(1)-073	Dibutoxyethyl phthalate	Plasthall DBEP(C. P. Hall)	366.45	C20H30O6		-
H(1)-204	Tributyl trimellitate	(Kurogane Kasei)	378.46	C21H30O6		-
H(1)-210	Tris(2-ethylhexyl) trimellitate	ADK cizer C-8(Adeka), Sansocizer TOTM(New Japan Chemical), Torimex T-08(Kao), Monocizer W-700(Dainippon Ink and Chemicals), (Daihachi Chemical Industry)	546.78	C33H54O6		-
H(2)-114	Di-n-butyl adipate	DBA(Daihachi Chemical Industry), (W. R. Grace)	258.18	C14H26O4		-
H(2)-115	Di-isobutyl adipate	DIBA(Daihachi Chemical Industry), Vyncizer 40(Kao)	258.18	C14H26O4		-

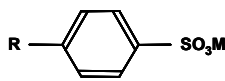
H(2)-119	Bis(2-ethylhexyl) adipate	DOA(Kyowa Hakko Kogyo), Sansocizer DOA(New Japan Chemical), Diacizer DOA(Mitsubishi Chemical MKV), Chissocizer DOA(Chisso), Monocizer DOA(Dainippon Ink and Chemicals)	370.57	C22H42O4	$\begin{array}{c} \text{C}_2\text{H}_5 \\ \\ \text{COOCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ (\text{CH}_2)_4 \\ \\ \text{COOCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ \text{C}_2\text{H}_5 \end{array}$	-
H(2)-121	Di-isononyl adipate	Sansocizer DINA(New Japan Chemical), Diacizer DINA(Mitsubishi Chemical MKV)	398.62	C24H46O4	$\begin{array}{c} \text{COO} - (\text{i-C}_9\text{H}_{19}) \\ \\ (\text{CH}_2)_4 \\ \\ \text{COO} - (\text{i-C}_9\text{H}_{19}) \end{array}$	-
H(2)-123	Di-isodecyl adipate	Sansocizer DIDA(New Japan Chemical), Diacizer DIDA(Mitsubishi Chemical MKV), Sekisuicizer #90(Sekisui Chemical), Vynecizer 50(Kao)	426.67	C26H50O4	$\begin{array}{c} \text{COO} - (\text{i-C}_{10}\text{H}_{21}) \\ \\ (\text{CH}_2)_4 \\ \\ \text{COO} - (\text{i-C}_{10}\text{H}_{21}) \end{array}$	-
H(2)-210	Bis(2-ethylhexyl) azelate	Sansocizer DOZ(New Japan Chemical), DOZ(Daihachi Chemical Industry), (Kurogane Kasei), (C. P. Hall), (Pfizer)	412.35	C25H48O4	$\begin{array}{c} \text{C}_2\text{H}_5 \\ \\ \text{COOCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ (\text{CH}_2)_7 \\ \\ \text{COOCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ \text{C}_2\text{H}_5 \end{array}$	-
H(2)-300	Dimethyl sebacate	-	230.15	C12H22O4	$\begin{array}{c} \text{COOCH}_3 \\ \\ (\text{CH}_2)_8 \\ \\ \text{COOCH}_3 \end{array}$	-

H(2)-305	Di-n-butyl sebacate	(Kyowa Hakko Kogyo), (Kurogane Kasei), (Daihachi Chemical Industry), (C. P. Hall), (W. R. Grace), (Wacker Chemie)	314.25	C18H34O4	$\begin{array}{c} \text{COOC}_4\text{H}_9 \\ \\ (\text{CH}_2)_8 \\ \\ \text{COOC}_4\text{H}_9 \end{array}$	-
H(2)-310	Di-2-ethylhexyl sebacate	-	398.62	C24H46O4	$\begin{array}{c} \text{CH}_3 \\ \\ \text{COOCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ (\text{CH}_2)_8 \\ \\ \text{COOCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$	-
H(2)-505	Di-n-butyl tartrate	-	262.14	C12H22O6	$\begin{array}{c} \text{COOC}_4\text{H}_9 \\ \\ (\text{CHOH})_2 \\ \\ \text{COOC}_4\text{H}_9 \end{array}$	-
H(2)-602	Triethyl citrate	Citroflex 2(Pfizer)	276.12	C12H20O7	$\begin{array}{c} \text{CH}_2\text{COOC}_2\text{H}_5 \\ \\ \text{HOCCOOC}_2\text{H}_5 \\ \\ \text{CH}_2\text{COOC}_2\text{H}_5 \end{array}$	-
H(2)-605	Tri-n-butyl citrate	Citroflex 4(Pfizer)	360.21	C18H32O7	$\begin{array}{c} \text{CH}_2\text{COOC}_4\text{H}_9 \\ \\ \text{HOCCOOC}_4\text{H}_9 \\ \\ \text{CH}_2\text{COOC}_4\text{H}_9 \end{array}$	-
H(2)-635	Tri-n-butyl acetylcitrate	Monocizer ATBC(Dainippon Ink and Chemicals), ATBC(Kyowa Hakko Kogyo), (I), Citroflex A-4(Pfizer)	402.22	C20H34O8	$\begin{array}{c} \text{CH}_2\text{COOC}_4\text{H}_9 \\ \\ \text{CH}_3\text{COOC} \text{---} \text{COOC}_4\text{H}_9 \\ \\ \text{CH}_2\text{COOC}_4\text{H}_9 \end{array}$	Yes

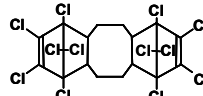
H(3)-010	Bis(2-ethylhexyl) tetrahydrophthalate	Sansocizer DOTP(New Japan Chemical), (Eastman Chem.)	394.59	C24H42O4		-
H(4)-075	Butyl oleate	Vincizer 30(Kao), (C. P. Hall)	338.57	C22H42O2	$\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\text{COOC}_4\text{H}_9$	-
H(4)-118	n-Butyl phthalylbutyl glycolate	(Yasaka Chemical Ind.), (Daihachi Chemical Industry), Santicizer 180(Monsanto)	336.16	C18H24O6		-
H(4)-130	Methyl O-acetylricinolate	MAR-N(Daihachi Chemical Industry)	354.52	C21H38O4		-
H(4)-210	Methyl pentachlorostearate	ADK cizer S-3(Adeka), (NOF)	470.73	C19H33Cl5O2	$\text{C}_{17}\text{H}_{30}\text{Cl}_5\text{COOCH}_3$	-
H(5)-010	2,2,4-Trimethyl-1,3-pentanediol isobutyrate	CS-16(Chisso), Kodaflex TXIB(Eastman Chem.)	286.21	C16H30O4		-
H(5)-100	Glycerol triacetate	Triacetin(Daihachi Chemical Industry)	218.08	C9H14O6	$\text{CH}_3\text{COOCH}_2\text{CH}(\text{OCOCH}_3)\text{CH}_2\text{OCOCH}_3$	-
H(5)-114	Glycerol diacetyl monolaurate	Rikemal PL-012(Riken Vitamin)	358.47	C19H34O6	$\text{CH}_3\text{COOCH}_2\text{CH}(\text{OCOC}_{11}\text{H}_{23})\text{CH}_2\text{OCOCH}_3$	-
H(5)-552	Polyethyleneglycol monolaurate	CPH-43-N(C. P. Hall)	-	-	$\text{C}_{11}\text{H}_{23}\text{COO}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$	-

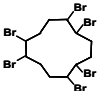
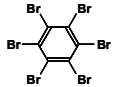
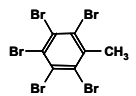
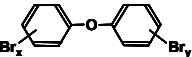
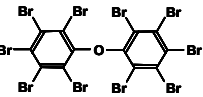
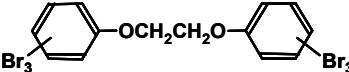
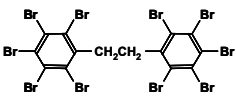
H(6)-110	2-Ethylhexyl epoxystearate	ADK cizer D-32(Adeka), Epocizer W-131(Dainippon Ink and Chemicals)	-	-	-	-
H(7)-030	Glycerin	(Daicel Chemical Industries, Ltd), (Lion)	92.05	C3H8O3	$\begin{array}{c} \text{CH}_2\text{OH} \\ \\ \text{CHOH} \\ \\ \text{CH}_2\text{OH} \end{array}$	-
H(8)-002	Triethyl phosphate	TEP(Daihachi Chemical Industry), (Kurogane Kasei)	182.07	C6H15O4P	$\text{O}=\text{P}-\{\text{OC}_2\text{H}_5\}_3$	-
H(8)-004	Tributyl phosphate	TBP (Daihachi Chemical Industry), (Showa Ether), (Monsanto), (Bayer), (Stauffer)	266.16	C12H27O4P	$\text{O}=\text{P}-\{\text{OC}_4\text{H}_9\}_3$	-
H(8)-008	Tri(2-ethylhexyl)phosphate	TOP(Daihachi Chemical Industry), (Bayer)	434.63	C24H51O4P	$\text{O}=\text{P}-\left\{\begin{array}{c} \text{OCH}_2\text{CH}(\text{CH}_2)_3\text{CH}_3 \\ \\ \text{CH}_2\text{CH}_3 \end{array}\right\}_3$	-
H(8)-020	Triphenyl phosphate	TPP(Daihachi Chemical Industry)	326.07	C18H15O4P	$\text{O}=\text{P}-\left\{\text{O}-\text{C}_6\text{H}_5\right\}_3$	-
H(8)-021	Tricresyl phosphate	Sansocizer TCP(New Japan Chemical), (Kyowa Hakkō Kogyo), (Kurogane Kasei), (Daihachi Chemical Industry), (Monsanto), (Bayer), (Stauffer)	368.12	C21H21O4P	$\text{O}=\text{P}-\left\{\text{O}-\text{C}_6\text{H}_4\text{CH}_3\right\}_3$	-
H(8)-023	Tris(isopropylphenyl) phosphate	Reofos 95(Ajinomoto)	452.52	C27H33O4P	$\text{O}=\text{P}-\left\{\text{O}-\text{C}_6\text{H}_4\text{C}_3\text{H}_7\right\}_3$	-

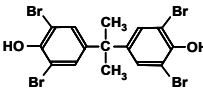
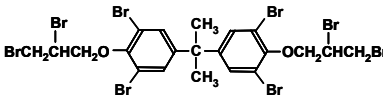
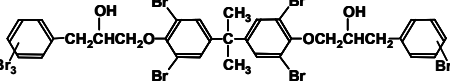
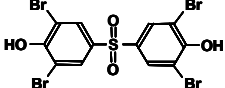
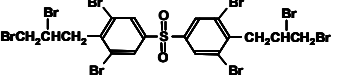
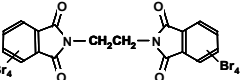
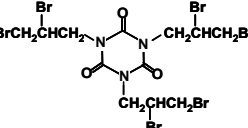
H(8)-027	Trixylenyl phosphate	TXP(Daihachi Chemical Industry)	410.16	C24H27O4P		-
H(8)-030	Cresyl diphenyl phosphate	CDP(Daihachi Chemical Industry), Santicizer 140(Monsanto), (Bayer), (Stauffer)	340.09	C19H17O4P		-
H(8)-040	2-Ethylhexyldiphenyl phosphate	# 41(Daihachi Chemical Industry), Santicizer 141(Monsanto)	362.16	C20H27O4P		-
H(9)-001	Phenol/cresol pentadecane sulfonic ester	Mesamoll(Bayer)	368.24, 382.25	C21H36O3S, C22H38O3S		-
H(9)-100	N-n-Butylbenzenesulfonamide	BMB Yoshitomi(MitsubishiPharma), BM-4(Daihachi Chemical Industry), Plasthall BSA(C. P. Hall)	213.08	C10H15NO2S		-
H(10)-001	Paraffin oil	-	-	-	-	-
H(10)-200	Chlorinated paraffin	Empara 40, etc(Ajinomoto), Toyoparax A40(Tosoh), ADK cizer E-410(Adeka), Clorafin 40, etc(Hercules)	-	-	-	-

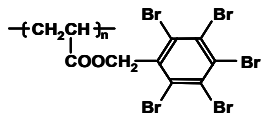
I(1)-003	Alkyl trimethyl ammonium salt	-	207.17 - 403.39	C ₁₁ H ₂₆ NCI - C ₂₅ H ₅₄ NCI	$\left[\begin{array}{c} \text{CH}_3 \\ \\ \text{R} - \text{N}^+ - \text{CH}_3 \\ \\ \text{CH}_3 \end{array} \right] \text{Cl}^- \quad \text{R: C}_8 \sim \text{C}_{22}$	-
I(1)-007	Dialkyl dimethyl ammonium salt	-	305.28 - 585.60	C ₁₈ H ₄₀ NCI - C ₃₈ H ₈₀ NCI	$\left[\begin{array}{c} \text{R} \\ \\ \text{R} - \text{N}^+ - \text{CH}_3 \\ \\ \text{CH}_3 \end{array} \right] \text{Cl}^- \quad \text{R: C}_8 \sim \text{C}_{18}$	-
I(1)-023	Benzalkonium salt	-	283.21 - 479.42	C ₁₇ H ₃₀ NCI - C ₃₁ H ₅₈ NCI	$\left[\begin{array}{c} \text{CH}_3 \\ \\ \text{R} - \text{N}^+ - \text{CH}_2 - \text{C}_6\text{H}_5 \\ \\ \text{CH}_3 \end{array} \right] \text{Cl}^- \quad \text{R: C}_8 \sim \text{C}_{22}$	-
I(1)-200	Cationic polymer	Reolex AS-170(Dai-Ichi Kogyo Seiyaku)	-	-	-	-
I(2)-001	Alkyl sulfonate	-	-	-	RSO₃M	-
I(2)-010	Alkylbenzensulfonate	-	-	-		-
I(2)-100	Alkyl sulfate	-	-	-	ROSO₃M	-
I(2)-200	Alkyl phosphate	-	-	-	$\text{R} - \text{O} - \text{P} \begin{array}{l} \diagup \text{OM} \\ \diagdown \text{OM} \\ \text{O} \end{array}$	-
I(3)-010	Stearic acid monoglyceride	Electrostripper TS-5(Kao), Leostat GS90(Lion), Resistat PE 132(contains 5% of other chemistries)(Dai-Ichi Kogyo Seiyaku)	358.56	C ₂₁ H ₄₂ O ₄	$\begin{array}{c} \text{O} \\ \\ \text{CH}_2\text{OCC}_{17}\text{H}_{35} \\ \\ \text{CHOH} \\ \\ \text{CH}_2\text{OH} \end{array}$	Yes

I(3)-033	Sorbitan monopalmitate	-	402.57	C ₂₂ H ₄₂ O ₆	<p style="text-align: center;">R: C₁₅H₃₁</p>	Yes
I(3)-034	Sorbitan monostearate	-	430.62	C ₂₄ H ₄₆ O ₆	<p style="text-align: center;">R: C₁₇H₃₅</p>	Yes
I(3)-100	Alkyl diethanolamine	Electrostripper EA(Kao), Armostat 310(Lion Akzo), Denon 311P(Marubishi Oil Chemical), (Toho Chemical Industry)	-	-	$\text{RN} \begin{cases} \text{CH}_2\text{CH}_2\text{OH} \\ \text{CH}_2\text{CH}_2\text{OH} \end{cases}$	-
I(3)-200	Alkyl diethanolamide	Leostat S(Lion)	-	-	$\text{RCON} \begin{cases} \text{CH}_2\text{CH}_2\text{OH} \\ \text{CH}_2\text{CH}_2\text{OH} \end{cases}$	-
I(3)-305	Poly(oxyethylene) alkyl ether	Peregal O(GAF)	-	-	$\text{RO}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$	-
I(3)-320	Poly(oxyethylene) alkylphenyl ether	Igepal(Rhone-Poulenc)	-	-		-
I(3)-340	Poly(ethylene glycol) monolaurate	-	-	-	$\text{C}_{11}\text{H}_{23}\text{COO}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$	-
I(3)-360	Poly(oxyethylene) alkyl amine	Ethomen(Akzo)	-	-	$\text{RN} \begin{cases} (\text{CH}_2\text{CH}_2\text{O})_m\text{H} \\ (\text{CH}_2\text{CH}_2\text{O})_n\text{H} \end{cases}$	-

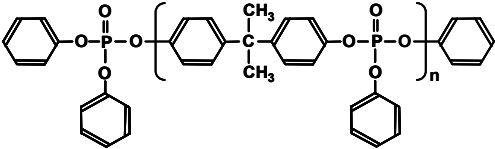
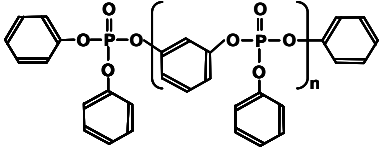
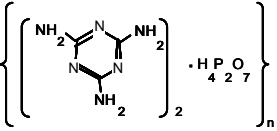
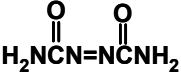
I(3)-380	Poly(oxyethylene) alkyl amide	Ethomid O/15, etc(Akzo)	-	-	$\text{RCON} \begin{cases} (\text{CH}_2\text{CH}_2\text{O})_m\text{H} \\ (\text{CH}_2\text{CH}_2\text{O})_n\text{H} \end{cases}$	-
J(1)-012	Stearic acid monoglyceride	Excel T-95, etc(Kao)	358.56	C21H42O4	$\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_2\text{OCC}_{17}\text{H}_{35} \\ \\ \text{CHOH} \\ \\ \text{CH}_2\text{OH} \end{array}$	-
J(1)-013	Oleic acid monoglyceride	Excel 300, etc(Kao)	356.54	C21H40O4	$\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_2\text{OCC}_{17}\text{H}_{33} \\ \\ \text{CHOH} \\ \\ \text{CH}_2\text{OH} \end{array}$	Yes
J(2)-022	Poly(oxyethylene) sorbitan monolaurate	Rikemal S-105, etc(Riken Vitamin)	-	-	$\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_2\text{OCC}_{11}\text{H}_{23} \\ \\ \text{HO}-\text{CH}-\text{CH}-\text{O}(\text{CH}_2\text{CH}_2\text{O})_n\text{H} \\ \\ \text{CH} \\ \\ \text{OH} \end{array}$	-
J(2)-025	Poly(oxyethylene) sorbitan monooleate	Rikemal O-120, etc(Riken Vitamin)	-	-	$\begin{array}{c} \text{O} \\ \parallel \\ \text{CH}_2\text{OCC}_{17}\text{H}_{33} \\ \\ \text{HO}-\text{CH}-\text{CH}-\text{O}(\text{CH}_2\text{CH}_2\text{O})_n\text{H} \\ \\ \text{CH} \\ \\ \text{OH} \end{array}$	-
K(1)-005	Chlorinated paraffin	Empara 70(Ajinomoto), Empara(Tosoh)	-	-		-
K(1)-035	Dodecachloropentacyclo octadecadiene	Dechlorane Plus 515, 25, 35(Occidental Chemical)	653.72	C18H21Cl12		Yes

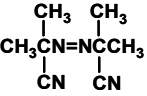
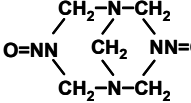
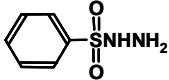
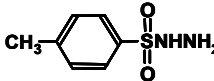
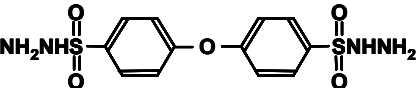
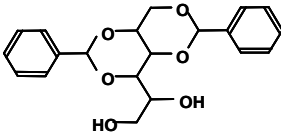
K(2)-028	Hexabromocyclododecane	Unflame FSB-164(NOF), Flamecut 130R(Tosoh), Saytex HBCD-LM(Ethyl Corp), FR-1206(Dead Sea Bromine), CD-75P(Great Lakes)	635.65	C ₁₂ H ₁₈ Br ₆		Yes
K(2)-042	Hexabromobenzene	AFR-1001(Asahi Glass), FR-B(Nippon Chemicals), HBB(Manac)	551.49	C ₆ Br ₆		-
K(2)-044	Pentabromotoluene	PBT(Manac), FR-705(Dead Sea Bromine)	486.62	C ₇ H ₃ Br ₅		-
K(2)-104	Octabromodiphenyl ether	Unflame FSB-190(NOF), Saytex 111(Ethyl Corp.), FR-1205(Dead Sea Bromine)	801.38	C ₁₂ H ₂ Br ₈ O	 $x + y = 8$	-
K(2)-106	Decabromodiphenyl ether	Unflame FSB-183(NOF), FR-PE(Nippon Chemicals), EB-10(Manac), Saytex 102E(Ethyl Corp.), FR-1210(Dead Sea Bromine), DE-83(Great Lakes Chem.)	959.17	C ₁₂ Br ₁₀ O		-
K(2)-132	Bis(tribromophenoxy) ethane	FF-680(Great Lakes Chem.)	687.64	C ₁₄ H ₁₂ Br ₆ O ₂		-
K(2)-142	Ethylenebis(pentabromobiphenyl)	Saytex 8010(Ethyl Corp.)	961.21	C ₁₄ H ₄ Br ₁₀		-

K(2)-162	Tetrabromobisphenol A	Firegard 2000(Teijin Chemicals), AFR-1010(Asahi Glass), Flamecut 120R(Tosoh), Saytex RB-100(Ethyl Corp.), FR-1524(Dead Sea Bromine)	543.87	C ₁₅ H ₁₂ Br ₄ O ₂		-
K(2)-168	Tetrabromobisphenol A, bis(2,3-dibromopropyl ether)	Firegard 3100(Teijin Chemicals), Unflame FSB-310(NOF), PE 68(Great Lakes Chem.)	943.61	C ₂₁ H ₂₀ Br ₈ O ₂		-
K(2)-176	Tetrabromobisphenol A derivative	TB-60(Tohto Kasei)	1275.37	C ₃₃ H ₂₆ Br ₁₀ O ₄		-
K(2)-202	Tetrabromobisphenol S	EB-400S(Manac)	565.85	C ₁₂ H ₆ Br ₄ O ₄ S		Yes
K(2)-206	Bis(3,5-dibromo-4-dibromopropoxyphenyl) sulfone	Nonnene PR-2(Marubishi Oil Chemical)	925.42	C ₁₈ H ₁₄ Br ₈ O ₂ S		Yes
K(2)-258	Brominated aromatic amide	EB-905(Manac)	-	-	-	-
K(2)-262	Ethylenebis(tetrabromophthalimide)	Saytex BT-93(Ethyl Corp.)	951.47	C ₁₈ H ₄ Br ₈ N ₂ O ₄		-
K(2)-282	Tris(2,3-dibromopropyl) isocyanurate	AFR-1010(Asahi Glass), FCP-660(Suzuhiro Chemical)	728.69	C ₁₂ H ₁₅ Br ₆ N ₃ O ₃		Yes

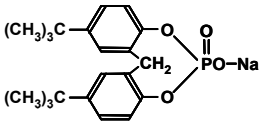
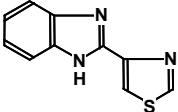
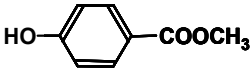
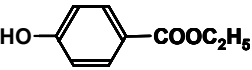
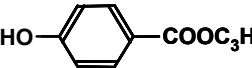
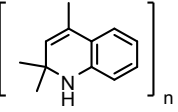
K(2)-318	Brominated aromatic triazine	Pyrogard SR-245(Dai-Ichi Kogyo Seiyaku)	-	-	-	-
K(2)-622	Poly(pentabromobenzylacrylate)	FR-1025(Dead Sea Bromine)	-	-		-
K(2)-665	Brominated epoxy resin	(NOF), Fyrol PCF(Akzo), Antiblaze80(Albright & Wilson)	-	-	-	-
K(3)-003	Tris(chloroethyl) phosphate	CLP(Daihachi Chemical Industry) TCEP(Nippon chemical industrial) Fyrol CEF(Akzo)	285.49	C6H12Cl3O4P	$\text{O}=\text{P}-\{\text{OCH}_2\text{CH}_2\text{Cl}\}_3$	-
K(3)-008	Tris(2,3-dichloropropyl) phosphate	CRP(Daihachi Chemical Industry), Fyrol FR-2(Akzo)	427.88	C9H15Cl6O4P	$\text{O}=\text{P}-\{\text{OCH}(\text{CH}_2\text{Cl})_2\}_3$	-
K(3)-028	Tris(tribromoneopentyl) phosphate	CR-900(Daihachi Chemical Industry)	970.46	C15H24Br9OP	$\text{O}=\text{P}-\{\text{CH}_2\text{C}(\text{CH}_2\text{Br})_3\}_3$	Yes
K(3)-080	Chlorinated polyphosphate	CR-509, etc(Daihachi Chemical Industry)	-	-	-	-
K(4)-005	Tributyl phosphate	TBP(Daihachi Chemical Industry)	266.16	C12H27O4P	$\text{O}=\text{P}-\{\text{OC}_4\text{H}_9\}_3$	-

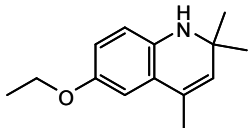
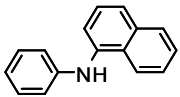
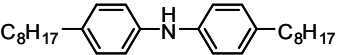
K(4)-020	Triphenyl phosphate	TPP(Daihachi Chemical Industry)	326.07	C18H15O4P		-
K(4)-021	Cresyl diphenyl phosphate	CDP(Daihachi Chemical Industry), Santicizer 140(Monsanto)	340.09	C19H17O4P		-
K(4)-022	Resorcinol bis(diphenylphosphate)	Reofos RDP(Ajinomoto)	574.09	C30H24O8P2		Yes
K(4)-023	Tricresyl phosphate	TCP(Daihachi Chemical Industry)	368.12	C21H21O4P		-
K(4)-024	1,3-phenylene bis(dixylenyl)phosphate	Adekatab PP-500(Adeka)	686.67	C38H40O8P2		Yes
K(4)-026	Bisphenol A bis(diphenylphosphate)	Reofos BAPP(Ajinomoto)	692.63	C39H34O8P2		Yes
K(4)-045	2-Ethylhexyl diphenyl phosphate	#41(Daihachi Chemical Industry), Santicizer 141(Monsanto)	362.16	C20H27O4P		-

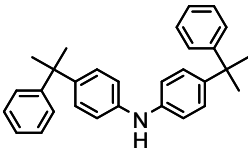
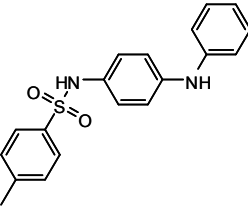
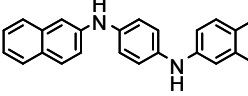
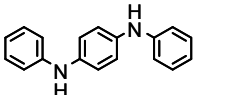
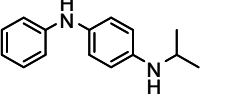
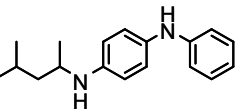
K(4)-080	Aromatic polyphosphate	PX-200, -201, -202(Daihachi Chemical Industry)	-	-	-	Yes
K(4)-081	Condensation products of 2,2-bis(p-hydroxyphenyl)propane and trichlorophosphine oxide	Adekatab FP-700(Adeka)	-	-		-
K(4)-083	Reaction products of following compounds: (1) Condensation products of 1,3-dihydroxybenzene and trichloropropane oxide (n=1 ~ 3) (2) phenol	Adekatab FPR(Adeka)	-	-		-
K(5)-005	Melamine pyrophosphate	-	-	-		-
L(2)-001	Azodicarbonamide	Vinyfor AC(Eiwa Chemical Ind.), Unifoam AZ(Otsuka Chemical), Celmike C(Sankyo Kasei), Azobis CA(Nippon Carbide Industries), (Japan Finechem), Celogen AZ (Uniroyal Chem), Polofor ADC(Bayer)	116.03	C2H4N4O2		-

L(2)-002	Azobisisobutyronitril	Vinyfor AZ(Eiwa Chemical Ind.), AIBN(Otsuka Chemical), ABN-S (Japan Finechem)	164.11	C8H12N4		-
L(3)-001	N,N'-Dinitrosopentamethylene tetramine	Cellular D(Eiwa Chemical Ind.), Celmike D(Sankyo Kasei), Vulcadel BN 94(Vulnax)	186.09	C5H10N6O2		-
L(4)-001	Benzenesulfonyl hydrazide	Celogen BSH(Uniroyal Chem.), Porofor BSH(Bayer)	172.03	C6H8N2O2S		Yes
L(4)-002	Toluenesulfonyl hydrazide	(Eiwa Chemical Ind.), Celmike H(Sankyo Kasei), Celogen TSH(Uniroyal Chem.), Profer TSH(Bayer)	186.23	C7H10N2O2S		Yes
L(4)-003	4,4'-Oxybis(benzenesulfonyl hydrazide)	Neocellborn(Eiwa Chemical Ind.), Celmike S(Sankyo Kasei), Profer DO(Bayer), Celogen OT(Uniroyal Chem.)	358.39	C12H14N4O5S2		Yes
O(1)-001	Dibenzylidene sorbitol	EC-1(EC Chemical), (New Japan Chemical), (Marubishi Oil Chemical), Millad 3905(Miliken Chemical)	358.14	C20H22O6		Yes

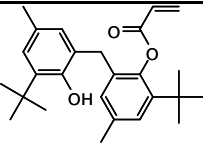
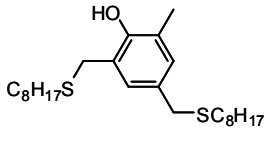
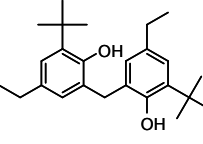
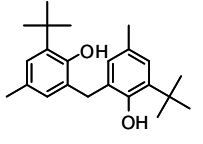
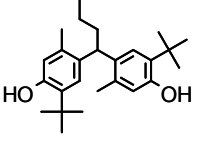
O(1)-003	Bis(4-methylbenzylidene) sorbitol	(New Japan Chemical)	386.17	C22H26O6		Yes
O(1)-004	Bis(dimethylbenzylidene) sorbitol	(New Japan Chemical)	414.49	C24H30O6		Yes
O(1)-007	Bis(4-ethylbenzylidene) sorbitol	-	414.49	C24H30O6		Yes
O(1)-010	1,3:2,4-bis-O-(3,4-dimethyl benzylidene)-D-sorbitol	Millad 3988(Miliken Chemical)	414.49	C24H30O6		Yes
O(2)-001	Sodium benzoate	-	144.02	C7H5NaO2		-
O(2)-005	Aluminum p-t-butyl benzoate	PTBBA-Al(Shell)	558.64	C33H39AlO6		-
O(3)-003	Sodium bis(4-t-butylphenyl) phosphate	ADK STAB NA10(Adeka)	384.15	C20H26NaO4P		-

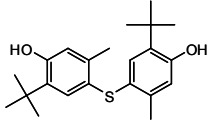
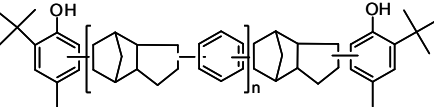
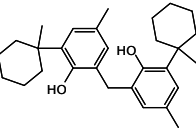
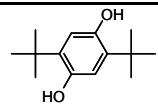
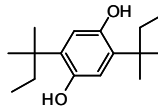
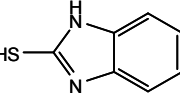
O(3)-007	Sodium 2,2'-ethylidene-bis(4,6-di- <i>t</i> -butylphenyl)phosphate	ADK STAB NA11(Adeka)	396.15	C ₂₁ H ₂₆ NaO ₄ P		-
O(3)-800	Organic phosphate complex	ADK STAB NA21(Adeka)	-	-	-	-
Q(1)-001	Thiabendazole	Metasol TK-100	201.25	C ₁₀ H ₇ N ₃ S		-
Q(1)-046	Methyl p-hydroxybenzoate	-	152.05	C ₈ H ₈ O ₃		-
Q(1)-047	Ethyl p-hydroxybenzoate	-	166.06	C ₉ H ₁₀ O ₃		-
Q(1)-048	Propyl p-hydroxybenzoate	-	180.08	C ₁₀ H ₁₂ O ₃		-
W(1)-001	Polymerized 2,2,4-trimethyl-1,2-dihydroquinoline	Nocrac 224(Ouchishinko Chemical Industrial), Nonflex QS(Seiko Chemical), Antage RD(Kawaguchi Chemical Industry)	-	-		-

W(1)-002	6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline	Nocrac AW(Ouchishinko Chemical Industrial), Nonflex AW(Seiko Chemical), Antage AW(Kawaguchi Chemical Industry)	217.31	C ₁₄ H ₁₉ NO		-
W(1)-003	Reaction product of diphenylamine and acetone	Nocrac B(Ouchishinko Chemical Industrial), Nonflex BA(Seiko Chemical)	-	-	-	-
W(1)-004	Reaction product of diphenylamine, aniline and acetone	Nonflex BA-R(Seiko Chemical)	-	-	-	-
W(1)-005	Reaction production of amine and acetone	Nonflex RD(Seiko Chemical)	-	-	-	-
W(1)-006	Phenyl-1-naphthylamine	Nocrac PA(Ouchishinko Chemical Industrial)	219.28	C ₁₆ H ₁₃ N		-
W(1)-007	Alkylated diphenylamine	Nocrac ODA(Ouchishinko Chemical Industrial)	-	-	-	-
W(1)-008	Octylated diphenylamine	Nocrac AD-F(Ouchishinko Chemical Industrial), Nonflex OD-3(Seiko Chemical)	393.65	C ₂₈ H ₄₃ N		-

W(1)-009	4,4'-Bis(alpha,alpha-dimethylbenzyl)diphenylamine	Nocrac CD(Ouchishinko Chemical Industrial), Nonflex DCD(Seiko Chemical)	405.57	C30H31N		-
W(1)-010	p-(p-Toluene sulfonylamido)diphenylamine	Nocrac TD(Ouchishinko Chemical Industrial)	338.42	C19H18N2O2S		-
W(1)-011	N,N'-Di-2-naphthyl-p-phenylenediamine	Nocrac White(Ouchishinko Chemical Industrial), Nonflex F(Seiko Chemical)	360.45	C26H20N2		Yes
W(1)-012	N,N'-Diphenyl-p-phenylenediamine	Nocrac DP(Ouchishinko Chemical Industrial), Nonflex H(Seiko Chemical)	260.33	C18H16N2		-
W(1)-013	N-Phenyl-N'-isopropyl-p-phenylenediamine	Nocrac 810-NA(Ouchishinko Chemical Industrial), Ozonone 3C(Seiko Chemical), Antage 3C(Kawaguchi Chemical Industry)	226.32	C15H18N2		-
W(1)-014	N-Phenyl-N'-(1,3-dimethylbutyl)-p-phenylenediamine	Nocrac 6C(Ouchishinko Chemical Industrial), Ozonone 6C(Seiko Chemical), Antage 6C(Kawaguchi Chemical Industry)	268.40	C18H24N2		-

W(1)-015	N-phenyl-N-(3-methacryloyloxy-2-hydroxypropyl)-p-phenylenediamine	Nocrac G-1(Ouchishinko Chemical Industrial)	326.39	C19H22N2O3		-
W(1)-016	N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine	Ozonone 35(Seiko Chemical)	296.45	C20H28N2		-
W(1)-017	Mixed diaryl-p-phenylenediamine	Wingstay 100(Eliokem)	-	-	-	-
W(1)-018	2,6-Di-tert-butyl-4-methylphenol	Nocrac 200(Ouchishinko Chemical Industrial), BHT Swanox(Seiko Chemical), Antage BHT(Kawaguchi Chemical Industry)	220.35	C15H24O		-
W(1)-019	2,6-Di-tert-butyl-4-ethylphenol	Nocrac M-17(Ouchishinko Chemical Industrial)	234.38	C16H26O		-
W(1)-020	Mono(or di or tri)(alpha-methylbenzyl) phenol	Nocrac SP(Ouchishinko Chemical Industrial), BHT Swanox(Seiko Chemical), Antage BHT(Kawaguchi Chemical Industry)	-	-		-
W(1)-021	n-Octadecyl-3-(4-hydroxy-3',5'-di-tert-butylphenyl)propionate	Irganox 1076(Ciba-Geigy)	530.86	C35H62O3		-

W(1)-022	2-tert-Butyl-6-(3-tert-butyl-2-hydroxy-5-methylbenzyl)-4-methylphenyl acrylate	-	394.55	C26H34O3		-
W(1)-023	4,6-Bis(octylthiomethyl)-o-cresol	Irganox 1520(Ciba-Geigy)	424.75	C25H44OS2		Yes
W(1)-024	2,2'-Methylenebis(4-ethyl-6-tert-butylphenol)	Nocrac NS-5(Ouchishinko Chemical Industrial), Nonflex EBP(Seiko Chemical), Antage W-500(Kawaguchi Chemical Industry)	368.55	C25H36O2		-
W(1)-025	2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	Nocrac NS-6(Ouchishinko Chemical Industrial), Nonflex MBP(Seiko Chemical), Antage W-400(Kawaguchi Chemical Industry)	340.50	C23H32O2		-
W(1)-026	4,4'-Butylidenebis(3-methyl-6-tert-butylphenol)	Nocrac NS-30(Ouchishinko Chemical Industrial), Nonflex BB(Seiko Chemical), Antage W-300(Kawaguchi Chemical Industry)	382.58	C26H38O2		-

W(1)-027	4,4'-Thiobis(3-methyl-6-tert-butylphenol)	Nocrac 300(Ouchishinko Chemical Industrial), Nonflex BPS-R(Seiko Chemical), Antage Cryltal(Kawaguchi Chemical Industry)	358.54	C22H30O2S		-
W(1)-028	Butylated reaction product of p-cresol and dicyclopentadiene	Nocrac PBK(Ouchishinko Chemical Industrial)	-	-		-
W(1)-029	2,2'-Methylenebis(6-(1-methylcyclohexyl)-p-cresol)	Nonflex CBP(Seiko Chemical)	420.63	C29H40O2		-
W(1)-031	2,5-Di-tert-butylhydroquinone	Nocrac NS-7(Ouchishinko Chemical Industrial), Nonflex Alba(Seiko Chemical), Antage DBH(Kawaguchi Chemical Industry)	222.32	C14H22O2		-
W(1)-032	2,5-Di-tert-amylhydroquinone	Nocrac DAH(Ouchishinko Chemical Industrial), Antage DAH(Kawaguchi Chemical Industry)	250.38	C16H26O2		-
W(1)-033	2-Mercaptobenzimidazole	Nocrac MB(Ouchishinko Chemical Industrial), Nonflex MB(Seiko Chemical), Antage MB(Kawaguchi Chemical Industry)	150.03	C7H6N2S		-

W(1)-034	2-Mercaptomethylbenzimidazole	Nocrac MMB(Ouchishinko Chemical Industrial)	360.79	C16H15N4SZn		-
W(1)-035	1,3-Bis(dimethylamino)propan-2-thiourea	Nocrac NS-10-N(Ouchishinko Chemical Industrial)	246.42	C11H26N4S		Yes
W(1)-036	Tributyl thiourea	Nocrac TBTU(Ouchishinko Chemical Industrial)	244.44	C13H28N2S		Yes
W(1)-037	Tris(nonylphenyl) phosphite	Nocrac TNP(Ouchishinko Chemical Industrial), Nonflex TNP(Seiko Chemical)	688.50	C45H69O3P		Yes
W(1)-038	Dilauryl thiodipropionate	Nocrac 400(Ouchishinko Chemical Industrial)	514.84	C30H58O4S		-