

● **환경부고시 제2025-125호**

환경부고시 「중점관리물질의 지정」(제2022-79호, 2022.4.27.)을 다음과 같이 일부 개정·고시합니다.

2025년 07월 21일

환경부장관

중점관리물질의 지정 일부개정고시

「중점관리물질의 지정」 환경부고시의 일부를 다음과 같이 개정한다.

별표의 순번 4, 5, 28, 35, 44, 45, 46, 54(1), 65, 71, 83, 84(2), 84(3), 92, 93, 95, 96, 107, 113, 117, 127, 150, 151, 171, 175, 178, 196, 199, 202, 238, 268, 284, 334, 381, 407, 435, 457, 460, 501, 525, 533, 535, 652(9)의 화학물질 명칭 및 순번 27, 196, 202, 232, 238, 245, 247, 249, 250, 268, 284, 288, 316, 318, 325(1), 435, 460, 515, 540, 574, 584, 591, 592, 592(1), 592(2), 609, 642, 646, 660, 661, 661(1), 661(2), 661(3), 661(4), 661(5), 661(6), 661(7), 661(8), 661(9), 661(10), 661(11), 661(12), 661(13), 661(14), 661(15), 661(16), 661(17), 661(18), 661(19), 661(20), 661(21), 661(22), 661(23), 661(24), 661(25), 661(26), 661(27), 661(28), 661(29), 661(30), 661(31), 661(32), 661(33), 661(34), 661(35), 661(36), 661(37), 662, 669, 673, 674, 675, 675(1), 675(2), 675(3), 678, 681, 682, 683, 684, 686, 688, 696, 697, 698, 698(1), 698(2), 698(3), 698(4), 698(5), 698(6), 698(7), 698(8), 698(9), 698(10), 698(11), 698(12)의 비고를 다음과 같이 한다.

[별표]

중점관리물질(제2조 관련)

순번	화학물질 명칭	고유번호 (CAS No.)	비고
4	<u>Ethyl carbamate</u>	51-79-6	CMR
5	<u>1,1',1''-Phosphinothioylidynetris-aziridine; Thiotepa</u>	52-24-4	CMR
27	<u>Chloroethane</u>	75-00-3	CMR
28	<u>Vinyl chloride</u>	75-01-4	CMR
35	<u>3,3-Bis(4-hydroxyphenyl)-1-(3H)-isobenzofuranone</u>	77-09-8	CMR
44	<u>4,4'-(1-Methylethylidene)bis[2,6-dibromophenol]; Tetrabromobisphenol A, TBBA, 2,2-Bis(4-hydroxy-3,5- -dibromophenyl)propane</u>	79-94-7	CMR, PBT
45	<u>Bisphenol-A</u>	80-05-7	CMR, EDCs
46	<u>4-tert-pentylphenol</u>	80-46-6	EDCs
54 (1)	<u>Hexahydro-1,3-isobenzofurandione</u>	85-42-7	기타(EU SVHC 호흡기과민성)
65	<u>4-Methyl-1,3-benzenediamine</u>	95-80-7	CMR
71	<u>2-Methyl-4-[(2-methylphenyl)azo] benzenamine</u>	97-56-3	CMR
83	<u>4,4'-Oxybisbenzenamine</u>	101-80-4	CMR
84 (2)	<u>(R)-Epichlorohydrin</u>	51594-55-9	CMR
84 (3)	<u>(S)-Epichlorohydrin</u>	67843-74-7	CMR
92	<u>Ethylene glycol dimethyl ether</u>	110-71-4	CMR
93	<u>Ethylene glycol monoethyl ether</u>	110-80-5	CMR
95	<u>1,1'-Oxybis(2-methoxyethane); Diglyme</u>	111-96-6	CMR
96	<u>2,5,8,11-Tetraoxadodecane; Triglyme</u>	112-49-2	CMR
107	<u>Azodicarbon amide</u>	123-77-3	기타(EU SVHC 호흡기과민성)
113	<u>4-tert-Octylphenol</u>	140-66-9	EDCs
117	<u>2(3H)-Benzothiazolethione; 2-Mercaptobenzothiazole, Captax, MBT</u>	149-30-4	CMR
127	<u>1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluoro-1-octanesulfonyl fluoride; Heptadecafluorooctanesulfonyl fluoride</u>	307-35-7	PBT
150	<u>C.I. basic violet 003</u>	548-62-9	CMR
151	<u>Trimellitic Anhydride</u>	552-30-7	기타(EU SVHC 호흡기과민성)
171	<u>N-methylpyrrolidone</u>	872-50-4	CMR
175	<u>Octadecanoic acid lead(2+) salt</u>	1072-35-1	CMR
178	<u>Decabromodiphenyl oxide</u>	1163-19-5	PBT
196	<u>Chromic anhydride</u>	1333-82-0	CMR, STOT, 기타(호흡기과 민성)
199	<u>pigment yellow 34</u>	1344-37-2	CMR
202	<u>Tributyltin chloride</u>	1461-22-9	CMR, STOT
232	<u>3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate</u>	4098-71-9	기타(호흡기과 민성)
238	<u>2,4-Dibromo-1-(2,4-dibromophenoxy)benzene</u>	5436-43-1	vPvB
245	<u>Mercury(Inorganic metal)</u>	7439-97-6	CMR, STOT

순번	화학물질 명칭	고유번호 (CAS No.)	비고
247	Arsenic(Inorganic metal)	7440-38-2	CMR, STOT
249	Cadmium(Inorganic metal)	7440-43-9	CMR, STOT
250	Cobalt metal with Tungsten carbide	7440-48-4 & 12070-12-1	CMR, 기타(호흡기과 민성)
268	<u>Potassium dichromate (K₂Cr₂O₇)</u>	7778-50-9	CMR, STOT, 기타(호흡기과 민성)
284	<u>Nickel sulfate</u>	7786-81-4	CMR, STOT, 기타(호흡기과 민성)
288	ammonium dichromate	7789-09-5	CMR, STOT, 기타(호흡기과 민성)
316	cobalt sulphate	10124-43-3	CMR, STOT, 기타(호흡기과 민성)
318	cobalt dinitrate	10141-05-6	CMR, 기타(호흡기과 민성)
325 (1)	Sodium dichromate	10588-01-9	CMR, STOT, 기타(호흡기과 민성)
334	<u>Sodium perborate</u>	11138-47-9	CMR
381	<u>Lead oxide sulfate (Pb₄O₃(SO₄))</u>	12202-17-4	CMR
407	<u>C.I. pigment red 104</u>	12656-85-8	CMR
435	<u>Dichromic acid</u>	13530-68-2	CMR, STOT, 기타(호흡기과 민성)
457	<u>Disodium diboron diperoxide tetrahydroxide</u>	15120-21-5	CMR
460	<u>10-Ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoic acid 2-ethylhexyl ester</u>	15571-58-1	CMR, STOT
501	<u>Poly(hexamethylenebiguanide) hydrochloride; PHMB</u>	27083-27-8	STOT
515	Hexabromodiphenyl ether	36483-60-0	vPvB
525	<u>Zinc tetraoxychromate</u>	49663-84-5	CMR
533	<u>Difenacoum</u>	56073-07-5	CMR, STOT
535	<u>Dibasic lead stearate</u>	56189-09-4	CMR
540	1,2,4-Tribromo-5-(2,4-dibromophenoxy)benzene	60348-60-9	vPvB
574	1,2,4-Tribromo-5-(2,4,5-tribromophenoxy)benzene	68631-49-2	vPvB
584	Fatty acids, (C=8-18) and (C=18)-unsatd., cadmium salts	68876-84-6	CMR, STOT
591	2-Aminoethanol reaction products with ammonia by-products from	68910-05-4	CMR, 기타(호흡기과 민성)
592	heptabromodiphenyl ether; Tetrabromo-4-(tribromophenoxy)benzene	68928-80-3	vPvB
(1)	1,2,3,5-Tetrabromo-4-(2,4,5-tribromophenoxy)benzene	207122-16-5	vPvB
(2)	1,2,3,5-Tetrabromo-4-(2,3,5-tribromophenoxy)benzene	446255-22-7	vPvB
609	Chlorinated naphthalenes, PCN	70776-03-3	vPvB

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642	1,3,5-Tribromo-2-(2,4,5-tribromophenoxy)benzene	207122-15-4	vPvB
646	1-(1,1-Dimethylethyl)-3,5-dimethyl-2,4,6-trinitrobenzene	81-15-2	vPvB
652 (9)	<u>Nonylphenol ethoxylates</u>	27177-05-5	EDCs
660	Tricosafluorododecanoic acid	307-55-1	vPvB
661	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)		vPvB
(1)	Perfluorohexane-1-sulphonic acid	355-46-4	vPvB
(2)	1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluoro-1-hexanesulfonic acid potassium salt	3871-99-6	vPvB
(3)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	41184-65-0	vPvB
(4)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	41242-12-0	vPvB
(5)	lithium;1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	55120-77-9	vPvB
(6)	1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluoro-1-hexanesulfonic acid ammonium salt	68259-08-5	vPvB
(7)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	70136-72-0	vPvB
(8)	2-(2-hydroxyethylamino)ethanol;1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro hexane-1-sulfonic acid	70225-16-0	vPvB
(9)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)	72033-41-1	vPvB
(10)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	82382-12-5	vPvB
(11)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)	92011-17-1	vPvB
(12)	1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid	108427-54-9	vPvB
(13)	Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	108427-55-0	vPvB
(14)	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	144116-10-9	vPvB
(15)	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	153443-35-7	vPvB
(16)	Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	189274-31-5	vPvB
(17)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.with 2-methyl-2-propanamine (1:1)	202189-84-2	vPvB
(18)	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	213740-81-9	vPvB
(19)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl)	341035-71-0	vPvB
(20)	Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	341548-85-4	vPvB
(21)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)	350836-93-0	vPvB
(22)	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)	421555-73-9	vPvB

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(23)	Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-74-0	vPvB
(24)	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	425670-70-8	vPvB
(25)	Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)	866621-50-3	vPvB
(26)	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	910606-39-2	vPvB
(27)	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4	vPvB
(28)	Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 ^{3,7}]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	911027-69-5	vPvB
(29)	Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	928049-42-7	vPvB
(30)	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3	vPvB
(31)	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)	1187817-57-7	vPvB
(32)	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-24-0	vPvB
(33)	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-27-3	vPvB
(34)	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-28-4	vPvB
(35)	Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	1329995-45-0	vPvB
(36)	Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)	1329995-69-8	vPvB
(37)	Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1462414-59-0	vPvB
662	Heptacosafuorotetradecanoic acid	376-06-7	vPvB
669	Henicosafuoroundecanoic acid	2058-94-8	vPvB

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673	2,4-Di-t-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	3864-99-1	vPvB
674	Lead	7439-92-1	CMR
675	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,1 3.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) ※ 해당물질의 부분입체 이성질체(anti- 및 syn-) 또는 이들의 조합을 포함		vPvB
(1)	1,2,3,4,7,8,9,10,13,13,14,14-Dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,1 2a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene	13560-89-9	vPvB
(2)	(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachl oropentacyclo[12.2.1.1 ^{6,9} .0 ^{2,13} .0 ^{5,10}]octadeca-7,15-diene	135821-03-3	vPvB
(3)	(1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachl oropentacyclo[12.2.1.1 ^{6,9} .0 ^{2,13} .0 ^{5,10}]octadeca-7,15-diene	135821-74-8	vPvB
678	2-(2H-Benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)ph enol	36437-37-3	vPvB
681	1,2,3,4,5,6,7-Heptachloronaphthalene	58863-14-2	vPvB
682	1,2,3,4,5,6,8-Heptachloronaphthalene	58863-15-3	vPvB
683	1,2,3,4,5,6-Hexachloronaphthalene	58877-88-6	vPvB
684	Hydrogenated triphenyl; Hydrogenated terphenyl	61788-32-7	vPvB
686	1,4-Benzenediamine, N,N'-mixed phenyl and tolyl derivs.	68953-84-4	CMR
688	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-pentacosafuoro tridecanoic acid	72629-94-8	vPvB
696	1,2,3,4,6,7-Hexachloronaphthalene	103426-96-6	vPvB
697	1,2,3,5,6,7-Hexachloronaphthalene	103426-97-7	vPvB
698	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] ※ [1], [2] 의 각각의 입체 이성질체 혹은 조합을 포함		vPvB
(1)	2-(2,4-Dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-1,3- dioxane	117933-89-8	vPvB
(2)	1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-	186309-28-4	vPvB
(3)	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpro pyl)-, cis-rel-	343934-04-3	vPvB
(4)	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpro pyl)-, trans-rel-	343934-05-4	vPvB
(5)	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylprop yl)-, cis-	676367-02-5	vPvB
(6)	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpro pyl)-, cis-	676367-03-6	vPvB
(7)	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpro pyl)-, cis-	676367-04-7	vPvB
(8)	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpro pyl)-, cis-	676367-05-8	vPvB

순번	화학물질 명칭	고유번호 (CAS No.)	비고
(9)	1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-06-9	vPvB
(10)	1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-07-0	vPvB
(11)	1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-08-1	vPvB
(12)	1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-	676367-09-2	vPvB

별표의 “(6) EU SVHC (Substances of very high concern) : EU REACH 규정에 따른 고위험성우려물질 (화학물질등록평가법 시행령 별표 1의2의 제4호에 해당)” 을 “(6) 호흡기과민성 : 호흡을 통하여 노출되어 기도에 과민반응을 일으키는 물질(화학물질등록평가법 시행령 별표 1의2의 제4호에 해당)

(7) EU SVHC (Substances of very high concern) : EU REACH 규정에 따른 고위험성우려물질” 으로 한다.

부 칙

이 고시는 2025년 8월 7일부터 시행한다.