

[별표1]

## 중점관리물질(제2조 관련) ('19.7.1시행)

순번	화학물질 명칭	고유번호 (CAS No.)	비고
1	Formaldehyde	50-00-0	CMR
2	benzo[def]chrysene	50-32-8	CMR, PBT
3	Mechlorethamine	51-75-2	CMR
4	Urethane	51-79-6	CMR
5	carbon tetrachloride	56-23-5	CMR, STOT
6	diphenoxarsin-10-yl oxide	58-36-6	CMR
7	Aniline	62-53-3	CMR, STOT
8	diethyl sulphate	64-67-5	CMR
9	Chloroform	67-66-3	CMR, STOT
10	N,N-Dimethylformamide	68-12-2	CMR
11	Benzene	71-43-2	CMR STOT
12	cobalt di(acetate)	71-48-7	CMR
13	Chloroethane	75-00-3	STOT
14	chloroethylene	75-01-4	CMR
15	Dichloromethane	75-09-2	CMR
16	Formamide	75-12-7	CMR
17	carbon disulphide	75-15-0	STOT
18	Trichloroacetaldehyde; Chloral anhydride	75-87-6	CMR
19	phenolphthalein	77-09-8	CMR
20	dimethyl sulphate	77-78-1	CMR
21	Tetraethyl lead	78-00-2	CMR
22	isoprene	78-79-5	CMR
23	1,2-Dichloropropane	78-87-5	CMR
24	trichloroethylene	79-01-6	CMR
25	Acrylamide	79-06-1	CMR, STOT
26	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	CMR, PBT
27	4,4'-isopropylidenediphenol	80-05-7	CMR, EDCs
28	p-(1,1-Dimethylpropyl)phenol	80-46-6	EDCs
29	Diisobutyl phthalate	84-69-5	CMR, EDCs
30	Dibutyl phthalate	84-74-2	CMR, EDCs
31	dihexyl phthalate	84-75-3	CMR
32	cyclohexane-1,2-dicarboxylic anhydride	85-42-7	기타(EU SVHC 호흡기과민성)
33	Benzyl butyl phthalate	85-68-7	CMR, EDCs
34	2-nitrotoluene	88-72-2	CMR
35	dinoseb	88-85-7	CMR
36	o-Anisidine	90-04-0	CMR
37	4,4'-bis(dimethylamino)benzophenone	90-94-8	CMR
38	Quinoline	91-22-5	CMR
39	3,3'-Dichlorobenzidine	91-94-1	CMR
40	o-xylene	95-47-6	STOT
41	o-Toluidine	95-53-4	CMR
42	1,3-Dichloropropan-2-ol	96-23-1	CMR
43	Imidazolidine-2-thione	96-45-7	CMR
44	a,a,a-trichlorotoluene	98-07-7	CMR
45	Benzoyl chloride	98-88-4	CMR
46	Nitrobenzene	98-95-3	CMR, STOT
47	Styrene	100-42-5	CMR, STOT
48	a-chlorotoluene	100-44-7	CMR
49	Phenylhydrazine	100-63-0	CMR, STOT
50	4,4'-methylenebis[2-chloroaniline]	101-14-4	CMR
51	4,4'-methylenedianiline	101-77-9	CMR
52	4,4'-Oxydianiline	101-80-4	CMR
53	p-xylene	106-42-3	STOT
54	1-Chloro-2,3-epoxypropane	106-89-8	CMR
55	1-Bromopropane	106-94-5	CMR
56	Acrylonitrile	107-13-1	CMR

순번	화학물질 명칭	고유번호 (CAS No.)	비고
57	ethylenediamine	107-15-3	기타(EU SVHC 호흡기과민성)
58	Chloromethyl methyl ether	107-30-2	CMR
59	m-xylene	108-38-3	STOT
60	2-Methoxyethano	109-86-4	CMR
61	(2E)-1,4-Dichloro-2-butene	110-57-6	CMR
62	1,2-Dimethoxyethane	110-71-4	CMR
63	2-Ethoxyethanol	110-80-5	CMR
64	2-ethoxyethyl acetate	111-15-9	CMR
65	bis(2-methoxyethyl) ether	111-96-6	CMR
66	1,2-Bis(2-methoxyethoxy)ethane	112-49-2	CMR
67	tris(2-chloroethyl) phosphate	115-96-8	CMR
68	Tetrafluoroethene	116-14-3	CMR
69	bis(2-ethylhexyl) phthalate	117-81-7	CMR, EDCs
70	3,3'-Dimethoxybenzidine	119-90-4	CMR
71	6-Methoxy-m-toluidine	120-71-8	CMR
72	2,4-Dinitrotoluene	121-14-2	CMR
73	C,C'-Azodi(formamide)	123-77-3	기타(EU SVHC 호흡기과민성)
74	Tetrachloroethylene	127-18-4	CMR
75	N,N-Dimethylacetamide	127-19-5	CMR
76	4-(1,1,3,3-Tetramethylbutyl)phenol	140-66-9	EDCs
77	Benzothiazole-2-thiol	149-30-4	CMR
78	Lead acetate	301-04-2	CMR
79	lead bis(2-ethylhexanoate)	301-08-6	CMR
80	Hydrazine	302-01-2	CMR
81	Linuron	330-55-2	CMR
82	Diazinon	333-41-5	CMR
83	pentadecafluorooctanoic acid	335-67-1	CMR, PBT, STOT
84	Silicon carbide	409-21-2	CMR
85	cobalt carbonate	513-79-1	CMR
86	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]di methylammonium chloride	548-62-9	CMR
87	benzene-1,2,4-tricarboxylic acid 1,2-anhydride	552-30-7	기타(EU SVHC 호흡기과민성)
88	Glycidol	556-52-5	CMR
89	3,3'-Dichlorobenzidine dihydrochloride	612-83-9	CMR
90	methoxyacetic acid	625-45-6	CMR
91	Carbon monoxide	630-08-0	CMR, STOT
92	dibutyltin dichloride	683-18-1	CMR, STOT
93	1-Methyl-2-pyrrolidone	872-50-4	CMR
94	lead distearate	1072-35-1	CMR
95	1,3-Propanesultone	1120-71-4	CMR
96	bis(pentabromophenyl) ether	1163-19-5	PBT
97	Gallium arsenide	1303-00-0	CMR, STOT
98	Arsenic sulfides	1303-33-9	CMR
99	diboron trioxide	1303-86-2	CMR
100	Cadmium oxide	1306-19-0	CMR, STOT
101	cadmium sulphide	1306-23-6	CMR, STOT
102	Lead dioxide	1309-60-0	CMR
103	nickel monoxide	1313-99-1	CMR, STOT
104	Lead oxide (Pb2O3)	1314-27-8	CMR
105	orange lead	1314-41-6	CMR
106	Lead sulfide	1314-87-0	CMR
107	lead monoxide	1317-36-8	CMR
108	diarsenic trioxide	1327-53-3	CMR
109	xylene	1330-20-7	STOT
110	disodium tetraborate, anhydrous	1330-43-4	CMR
111	chromium trioxide	1333-82-0	CMR, STOT
112	lead sulfochromate yellow	1344-37-2	CMR

순번	화학물질 명칭	고유번호 (CAS No.)	비고
113	tributyltin chlorid	1461-22-9	STOT
114	cadmium di(octanoate)	2191-10-8	CMR
115	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	2451-62-9	CMR
116	C.I. basic blue 026	2580-56-5	CMR
117	2,3-epoxypropyltrimethylammonium chloride	3033-77-0	CMR
118	1,2,5,6,9,10-Hexabromocyclodecane	3194-55-6	CMR, PBT
119	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	STOT
120	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)-1-naphthalenemethanol	6786-83-0	CMR
121	Mercury(Inorganic metal)	7439-97-6	CMR, STOT PBT,
122	Arsenic(Inorganic metal)	7440-38-2	CMR
123	Cadmium(Inorganic metal)	7440-43-9	CMR, STOT PBT,
124	Cobalt metal with Tungsten carbide	7440-48-4 & 12070-12-1	CMR
125	sodium peroxometaborate	7632-04-4	CMR
126	cobalt dichloride	7646-79-9	CMR
127	sulphuric acid	7664-93-9	CMR
128	chromic acid	7738-94-5	CMR
129	Lead dichloride	7758-95-4	CMR
130	lead chromate	7758-97-6	CMR
131	Sodium chromate	7775-11-3	CMR, STOT
132	potassium dichromat	7778-50-9	CMR, STOT
133	Arsenic hydride	7784-42-1	CMR
134	Sodium dioxoarsenate	7784-46-5	CMR
135	nickel sulphat	7786-81-4	CMR, STOT
136	potassium chromate	7789-00-6	CMR
137	strontium chromate	7789-06-2	CMR
138	ammonium dichromate	7789-09-5	CMR, STOT
139	Chromic acid (H <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> ), sodium salt, hydrate (1:2:2)	7789-12-0	CMR, STOT
140	Hydrazine hydrate	7803-57-8	CMR
141	Creosote	8001-58-9	CMR
142	C.I. pigment yellow 035	8048-07-5	CMR
143	phosphoryl trichloride	10025-87-3	STOT
144	Boric acid	10043-35-3	CMR
145	lead dinitrate	10099-74-8	CMR
146	Lead diiodide (PbI <sub>2</sub> )	10101-63-0	CMR
147	Arsenic acid copper salt	10103-61-4	CMR
148	Cadmium sulfate	10124-36-4	CMR, STOT
149	cobalt sulphate	10124-43-3	CMR
150	cobalt dinitrate	10141-05-6	CMR
151	Lead molybdate (PbMoO <sub>4</sub> )	10190-55-3	CMR
152	Barium chromate	10294-40-3	CMR
153	cadmium dioleate	10468-30-1	CMR
154	Sodium dichromate	10588-01-9	CMR STOT
155	Nickel oxide	11099-02-8	CMR STOT
156	potassium hydroxyoctaoxodizincatedichromate(1-)	11103-86-9	CMR
157	Boric acid	11113-50-1	CMR
158	Lead silicochromate	11113-70-5	CMR
159	Nickel sulfide	11113-75-0	CMR, STOT
160	Chromium oxide	11118-57-3	CMR
161	Perboric acid, sodium salt	11138-47-9	CMR
162	pentalead tetraoxide sulphate	12065-90-6	CMR
163	trilead dioxide phosphonate	12141-20-7	CMR
164	Boron sodium oxide (B <sub>4</sub> Na <sub>2</sub> O <sub>7</sub> ), pentahydrate	12179-04-3	CMR
165	tetralead trioxide sulphate	12202-17-4	CMR
166	cadmium zinc sulphide	12442-27-2	CMR
167	lead chromate molybdate sulfate red	12656-85-8	CMR
168	Magnesium chromate	13423-61-5	CMR
169	Zinc chromate	13530-65-9	CMR

순번	화학물질 명칭	고유번호 (CAS No.)	비고
170	Calcium chromate	13765-19-0	CMR
171	Lead bis(tetrafluoroborate)	13814-96-5	CMR
172	Calcium dichromate	14307-33-6	CMR, STOT
173	Tetrafluoroborate(1-), cadmium (2:1)	14486-19-2	CMR
174	Quartz (SiO <sub>2</sub> ) ※ 석영 또는 크리스토팰라이트 형태의 결정질로서 Silica dust에 한함	14808-60-7	CMR
175	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	15571-58-1	CMR
176	2-Ethylhexanoic acid, lead salt; Hexanoic acid, 2-ethyl-, lead salt	16996-40-0	CMR
177	Lead methane sulfonate	17570-76-2	CMR
178	hexahydro-4-methylphthalic anhydride	19438-60-9	기타(EU SVHC 호흡기과민성)
179	3,3'-dimethoxybiphenyl-4,4'-ylenediammonium dichloride	20325-40-0	CMR
180	Chromic acid (H <sub>2</sub> CrO <sub>4</sub> ), chromium(3+) salt (3:2)	24613-89-6	CMR
181	triethyl phosphate	25155-23-1	CMR
182	Formaldehyde polymer with benzenamine	25214-70-4	CMR
183	hexahydromethylphthalic anhydride	25550-51-0	기타(EU SVHC 호흡기과민성)
184	Hexabromocyclododecane	25637-99-4	CMR, PBT
185	Guanidine, N,N'''-1,6-hexanediylbis[N'-cyano-, polymer with 1,6-hexanedi amine, hydrochloride	27083-27-8	STOT
186	Neodecanoic acid, lead salt	27253-28-7	CMR
187	Paraformaldehyde	30525-89-4	CMR
188	Lead bis(dipentylidithiocarbamate)	36501-84-5	CMR
189	C.I. Pigment Yellow 36	37300-23-5	CMR
190	pentazinc chromate octahydroxide	49663-84-5	CMR
191	(R)-1-chloro-2,3-epoxypropane	51594-55-9	CMR
192	Sulfuric acid lead salt, tetrabasic	52732-72-6	CMR
193	dioxobis(stearato)dilead	56189-09-4	CMR
194	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	59653-74-6	CMR
195	Fatty acids, tall-oil, lead salts	61788-54-3	CMR
196	Naphthenic acids, lead salts	61790-14-5	CMR
197	Asphalt, oxidized	64742-93-4	CMR
198	(s)-1-chloro-2,3-epoxypropane	67843-74-7	CMR
199	Fatty acids, (C=12-18), lead salts	68131-60-2	CMR
200	Lead oxide (PbO), lead-contg.	68411-78-9	CMR
201	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	CMR
202	2-Aminoethanol reaction products with ammonia by-products from	68910-05-4	CMR
203	Methanesulfonic acid, lead salt	95860-12-1	CMR
204	C.I. pigment green 13	148092-61-9	CMR

(1) CMR(Carcinogenic/Mutagenic/Reproductive toxicity) : 발암성, 생식세포 변이원성, 생식독성

(2) EDCs(Endocrine-Disrupting Chemicals) : 내분비계장애물질

(3) PBT(Persistent, Bioaccumulative and Toxic substances) : 사람 또는 동식물의 체내에 축적성이 높고, 환경 중에 장기간 잔류하는 물질

(4) STOT(Specific Target Organ Toxicity) : 특정표적장기독성

(5) EU SVHC(Substances of very high concern) : EU REACH 규정에 따른 고위험성우려물질