

**'21년까지 등록하여야 할 암, 돌연변이, 생식능력
이상을 일으키거나 일으킬 우려가 있는 기존화학물질**

제1장 총 칙

제1조(목적) 이 고시는 「화학물질의 등록 및 평가 등에 관한 법률」(이하 "화평법"이라 한다) 제10조제2항제1호의 규정에 의하여 사람 또는 동물에게 암, 돌연변이, 생식능력 이상을 일으키거나 일으킬 우려가 있는 기존화학물질로서 화평법 제10조에 따라 2021년 12월 31일까지 등록하여야 하는 물질을 지정함을 목적으로 한다.

**제2장 21년까지 등록하여야 할 암, 돌연변이, 생식능력 이상을 일으키거나
일으킬 우려가 있는 기존화학물질의 지정 등**

**제2조(21년까지 등록하여야 할 암, 돌연변이, 생식능력 이상을 일으키거나 일으킬
우려가 있는 기존화학물질)** 화평법 제10조제2항제2호에 따른 사람 또는 동물에게 암, 돌연변이, 생식능력 이상을 일으키거나 일으킬 우려가 있는 기존화학물질은 별표와 같다.

부칙

이 고시는 2019년 1월 1일부터 시행한다.

[별표]

**'21년까지 등록하여야 할 암, 돌연변이, 생식능력 이상을 일으키거나
일으킬 우려가 있는 기존화학물질(제2조 관련)**

순번	화학물질 명칭	고유번호 (CAS No.)
1	Carbon monoxide	630-08-0
2	Nickel ; Raney nickel	7440-02-0
3	1,2-Dihydroacenaphthylene ; Acenaphthene	83-32-9
4	1,2-dichloropropane	78-87-5
5	Cristobalite	14464-46-1
6	[Carbonato(2-)]tetrahydroxytrickel	12607-70-4
7	Dinickel trioxide	1314-06-3
8	2-Aminoethanol reaction products with ammonia by-products from	68910-05-4
9	Sulfuric acid lead salt, tetrabasic	52732-72-6
10	Nickel sulfide	11113-75-0
11	Molybdenum nickel tetraoxide	14177-55-0
12	C.I. pigment green 13	148092-61-9
13	2-Ethylhexanoic acid nickel salt	7580-31-6
14	Aluminium nickel oxide	12004-35-2
15	Chromium oxide	11118-57-3
16	Arsenic acid copper salt	10103-61-4
17	Barium chromate	10294-40-3
18	Arsenic sulfides	1303-33-9
19	Lithium nickelate	12031-65-1
20	(2E)-1,4-Dichloro-2-butene	110-57-6
21	C.I. pigment yellow 035	8048-07-5
22	Lead dichloride	7758-95-4
23	Nickel dibromide	13462-88-9
24	Fatty acids, (C=12-18), lead salts	68131-60-2
25	Tridymite	15468-32-3
26	Methanesulfonic acid, lead salt	95860-12-1
27	Magnesium chromate	13423-61-5
28	Arsenic hydride	7784-42-1
29	N-(4-Ethoxyphenyl)acetamide ; N-Acetyl-4-ethoxyaniline, p-Acetophenetidide, p-Ethoxyacetanilide, Acetophenetidin, Phenacetin	62-44-2
30	Octadecanoicacid,nickel(2+)-salt	2223-95-2
31	Ammonium nickel sulfate	15699-18-0
32	Silicic acid zirconium salt, cadmium pigment-encapsulated	102184-95-2
33	Beryllium	7440-41-7
34	Sodium chromate	7775-11-3
35	Lead(2+) silicate	10099-76-0
36	Silicic acid lead salt	11120-22-2
37	Lead molybdate (PbMoO4)	10190-55-3
38	Nickel hypophosphite	36026-88-7
39	Lead sulfide	1314-87-0
40	2-Bromopropane	75-26-3
41	Zinc chromate	13530-65-9
42	C.I. pigment black 025	68186-89-0
43	Lead silicochromate	11113-70-5
44	Lead titanium zirconium oxide	12626-81-2
45	Dilead oxide	12059-89-1
46	Calcium dichromate	14307-33-6
47	Potassium perfluorooctanesulfonate	2795-39-3
48	Thorium oxide	1314-20-1

순번	화학물질 명칭	고유번호 (CAS No.)
49	Lead acetate	1335-32-6
50	Cadmium sulfate	10124-36-4
51	Calcium chromate	13765-19-0
52	Phenylhydrazine ; Hydrazinobenzene	100-63-0
53	Chromic acid (H2CrO4), chromium(3+) salt (3:2)	24613-89-6
54	Ethanamine, 2-chloro-N-(2-chloroethyl)-N-methyl- ; Chlormethine ; Mechlorethamine	51-75-2
55	p-Aminoazobenzene	60-09-3
56	4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2H-1-benzopyran-2-one ; 4-Hydroxy-3-(3-oxo-1-phenylbutyl)coumarin, Warfarin	81-81-2
57	2,3-Dibromo-1-propanol	96-13-9
58	Methylarsonic acid ; Methanearsonic acid, DSMA	124-58-3
59	9-Methoxy-7H-furo[3,2-g] [1]benzopyran-7-one ; 9-Methoxyfuro[3,2-g]chromen-7-one, 6-Hydroxy-7-methoxy-5-benzofuranacrylic acid δ -lactone, Methoxsalen	298-81-7
60	6-[(1-Methyl-4-nitro-1H-imidazol-5-yl)thio]-1H-purine ; Azathioprine, 6-(1-Methyl-4-nitro-5-imidazolyl)thiopurine	446-86-6
61	Mustard gas	505-60-2
62	Tetraphenylarsonium chloride	507-28-8
63	Cadmium carbonate	513-78-0
64	Cadmium cyanide	542-83-6
65	Cadmium acetate	543-90-8
66	Nickel(2+) oxalate	547-67-1
67	Glycidol ; Oxiranemethanol	556-52-5
68	Nickel dicyanide	557-19-7
69	Diethylcadmium	592-02-9
70	Lead dithiocyanate	592-87-0
71	o-Toluidine chloride	636-21-5
72	Diarsenic triselenide	1303-36-2
73	Cadmium telluride	1306-25-8
74	Nickel selenide	1314-05-2
75	Lead oxide (Pb2O3)	1314-27-8
76	Lead oxide phosphonate (Pb3O2(HPO3)), hemihydrate	1344-40-7
77	C.I. direct blue 006	2602-46-2
78	Cadmium dilaurate	2605-44-9
79	Cadmium diformate	4464-23-7
80	Arsenic acid, sodium salt	7631-89-2
81	Nickel(2+) sulfite	7757-95-1
82	Trilead bis(orthophosphate)	7446-27-7
83	Lead tungsten tetraoxide	7759-01-5
84	Arsenic acid	7778-39-4
85	Copper arsenate (Cu3(AsO4)2)	7778-41-8
86	Calcium arsenate	7778-44-1
87	Lead difluoride	7783-46-2
88	Lead(4+) fluoride	7783-59-7
89	Trisilver arsenite	7784-08-9
90	Arsenic tribromide	7784-33-0
91	Arsenic trichloride	7784-34-1
92	Trifluoroarsine	7784-35-2
93	Pentafluoroarsorane	7784-36-3
94	Manganese hydrogen arsenate	7784-38-5
95	Potassium dihydrogen arsenate	7784-41-0
96	Diammonium hydrogen arsenate	7784-44-3
97	Arsenic triiodide	7784-45-4
98	Sodium dioxoarsenate	7784-46-5
99	Cadmium bromide	7789-42-6
100	Cadmium fluoride	7790-79-6

순번	화학물질 명칭	고유번호 (CAS No.)
101	Cadmium iodide	7790-80-9
102	Cadmium iodate	7790-81-0
103	Cadmium wolframate	7790-85-4
104	Lead arsenite	10031-13-7
105	Lead dibromide	10031-22-8
106	Lead divanadium hexaoxide	10099-79-3
107	Lead diiodide (PbI2)	10101-63-0
108	Nickel(2+) selenite	10101-96-9
109	Iron arsenate	10102-49-5
110	Iron bis(arsenate)	10102-50-8
111	Arsenic acid magnesium salt	10103-50-1
112	Cadmium chloride	10108-64-2
113	Potassium arsonate	10124-50-2
114	Copper arsonate	10290-12-7
115	Cadmium nitrate	10325-94-7
116	Trinickel bis(orthophosphate)	10381-36-9
117	Dibismuth dilead tetraruthenium tridecaoxide	11116-83-9
118	Lead chromate	11119-70-3
119	Chrysotile(Mg3H2(SiO4)2.H2O)	12001-29-5
120	Tricopper arsenide	12005-75-3
121	Dysprosium arsenide (DyAs)	12005-81-1
122	Diiron arsenide	12005-88-8
123	Gadolinium arsenide	12005-89-9
124	Holmium arsenide (HoAs)	12005-92-4
125	Lutetium arsenide (LuAs)	12005-94-6
126	Manganese arsenide	12005-95-7
127	Manganese arsenide (Mn2As)	12005-96-8
128	Terbium arsenide (TbAs)	12006-08-5
129	Thallium arsenide (TlAs)	12006-09-6
130	Ytterbium arsenide	12006-12-1
131	Tricadmium diarsenide	12006-15-4
132	Iron diarsenide	12006-21-2
133	Trizinc diarsenide	12006-40-5
134	Nickel monoboride	12007-00-0
135	Dinickel boride	12007-01-1
136	Trinickel boride	12007-02-2
137	Cadmium titanium trioxide	12014-14-1
138	Cadmium phosphide (Cd3P2)	12014-28-7
139	Dodecairon lead nonadecaoxide	12023-90-4
140	Lead disodium dioxide	12034-30-9
141	Lead diniobium hexaoxide	12034-88-7
142	Nickel tin trioxide	12035-38-0
143	Nickel titanium trioxide	12035-39-1
144	Nickel phosphide (Ni2P)	12035-64-2
145	Lead tin oxide (PbSnO3)	12036-31-6
146	Lead sulfate, basic	12036-76-9
147	Iron arsenide	12044-16-5
148	Gallium arsenide phosphide (Ga2AsP)	12044-20-1
149	Tripotassium arsenide	12044-21-2
150	Trilithium arsenide	12044-22-3
151	Trisodium arsenide	12044-25-6
152	Praseodymium arsenide (PrAs)	12044-28-9
153	Cobalt arsenide (CoAs2)	12044-42-7
154	Magnesium arsenide (Mg3As2)	12044-49-4
155	Arsenic telluride (As2Te3)	12044-54-1
156	Zinc arsenide (ZnAs2)	12044-55-2

순번	화학물질 명칭	고유번호 (CAS No.)
157	Bismuth compound with lead (1:1)	12048-28-1
158	Dinickel silicide	12059-14-2
159	Lead titanium trioxide	12060-00-3
160	Lead zirconium trioxide	12060-01-4
161	Lead ditantalum hexaoxide	12065-68-8
162	Nickel diarsenide	12068-61-0
163	Lead disulfide	12137-74-5
164	Cadmium peroxide (Cd(O ₂))	12139-22-9
165	Cadmium zirconium oxide	12139-23-0
166	Nickel telluride (NiTe)	12142-88-0
167	Cadmium chloride phosphate (Cd ₅ Cl(PO ₄) ₃)	12185-64-7
168	Cadmium niobium oxide (Cd ₂ Nb ₂ O ₇)	12187-14-3
169	Nickel disilicide	12201-89-7
170	Lead chloride oxide	12205-72-0
171	Dichromium arsenide	12254-85-2
172	Erbium arsenide (ErAs)	12254-88-5
173	Lanthanum arsenide (LaAs)	12255-04-8
174	Niobium arsenide (NbAs)	12255-08-2
175	Neodymium arsenide (NdAs)	12255-09-3
176	Triantimony arsenide	12255-36-6
177	Samarium arsenide	12255-39-9
178	Yttrium arsenide	12255-48-0
179	Tribarium diarsenide	12255-50-4
180	Tricalcium diarsenide	12255-53-7
181	Cobalt arsenide (CoAs ₃)	12256-04-1
182	Lead hydroxide nitrate	12268-84-7
183	Germanium arsenide	12271-72-6
184	Cadmium tantalum oxide (CdTa ₂ O ₆)	12292-07-8
185	Arsenic sulfide (As ₂ S ₄)	12344-68-2
186	Potassium pentadecaoxidoplumbatepentaniobate(1-)	12372-45-1
187	Trisilver arsenide	12417-99-1
188	Lead germanate	12435-47-1
189	Trihydrogen hydroxybis[orthosilicato(4-)] trinickelate(3-)	12519-85-6
190	Dioxobis(stearato)trilead ; Lead, bis(octadecanoato)dioxotri-	12578-12-0
191	Basic lead sulfite	12608-25-2
192	Nickel boride	12619-90-8
193	Nickel titanium oxide	12653-76-8
194	Molybdenum nickel oxide	12673-58-4
195	Cobalt nickel oxide	12737-30-3
196	Lead tungsten oxide	12737-98-3
197	Lead oxide sulfate	12765-51-4
198	Diarsenic acid	13453-15-1
199	Dilead pyrophosphate	13453-66-2
200	Nickel diiodide	13462-90-3
201	Ammonium dihydrogenarsenate	13462-93-6
202	Nickel carbonyl	13463-39-3
203	Potassium arsenite	13464-35-2
204	Trisodium arsenite	13464-37-4
205	Trisodium arsenate	13464-38-5
206	Zinc arsenate	13464-44-3
207	Tristrontium diarsenate	13464-68-1
208	Tribarium diarsenate	13477-04-8
209	Tricadmium bis(phosphate)	13477-17-3
210	Trinickel bis(arsenate)	13477-70-8
211	Trilithium arsenate	13478-14-3
212	Lead thiosulfate	13478-50-7

순번	화학물질 명칭	고유번호 (CAS No.)
213	Boron arsenate	13510-31-1
214	Trisilver arsenate	13510-44-6
215	Copper chromate	13548-42-0
216	Nickel diperchlorate	13637-71-3
217	Diboron tricadmium hexaoxide ; Cadmium borate	13701-66-1
218	Dinickel orthosilicate	13775-54-7
219	Nickel dipotassium bis(sulfate)	13842-46-1
220	Telluric acid (H ₂ TeO ₄), lead(2+) salt (1:1)	13845-35-7
221	Phosphoric acid, cadmium salt	13847-17-1
222	Cadmium molybdenum oxide (CdMoO ₄)	13972-68-4
223	Sulfamic acid cadmium salt (2:1)	14017-36-8
224	Zinc dichromate	14018-95-2
225	Nickel tungsten tetraoxide	14177-51-6
226	Nitric acid, nickel salt	14216-75-2
227	Lithium chromate	14307-35-8
228	Nickel hydrogen phosphate	14332-34-4
229	Dinickel diphosphate	14448-18-1
230	Tetrafluoroborate(1-), cadmium (2:1)	14486-19-2
231	Nickel bis(phosphinate)	14507-36-9
232	Phosphoric acid, ammonium cadmium salt (1:1:1)	14520-70-8
233	Nickel dibromate	14550-87-9
234	Nickel bis(tetrafluoroborate)	14708-14-6
235	Lead metaborate	14720-53-7
236	Nickel chromate	14721-18-7
237	Dinickel hexacyanoferrate	14874-78-3
238	Chromyl dichloride	14977-61-8
239	Nickel selenate	15060-62-5
240	Sodium metaarsenate	15120-17-9
241	Nickel dichromate	15586-38-6
242	Diphosphoric acid cadmium salt (1:2)	15600-62-1
243	Phosphoric acid, lead(2+) salt (1:1)	15845-52-0
244	Telluric acid (H ₂ TeO ₃), cadmium salt (1:1)	15851-44-2
245	Telluric acid (H ₂ TeO ₃), lead(2+) salt (1:1)	15851-47-5
246	Nickel tellurium trioxide	15851-52-2
247	Telluric acid (H ₂ TeO ₄), cadmium salt (1:1)	15852-14-9
248	Nickel tellurium tetraoxide	15852-21-8
249	Benzoic acid lead salt	15907-04-7
250	Lead phosphite	16038-76-9
251	C.I. direct brown 095	16071-86-6
252	Carbonic acid nickel salt	16337-84-1
253	Potassium hexafluoroarsenate	17029-22-0
254	Phosphoric acid, calcium nickel salt	17169-61-8
255	Citric acid ammonium nickel salt	18283-82-4
256	Lead chromate oxide (Pb ₂ (CrO ₄)O)	18454-12-1
257	Nickel bis(dihydrogen phosphate)	18718-11-1
258	Nickel(2+) hydrogen citrate	18721-51-2
259	Lead hydroxide (Pb(OH) ₂)	19783-14-3
260	Lead cyanamidate	20890-10-2
261	Nickel(2+) silicate	21784-78-1
262	Lead silicate	22569-74-0
263	Tricobalt diarsenate	24719-19-5
264	Lead diiodate	25659-31-8
265	Lead sulfite	25666-92-6
266	Nickel hexafluorosilicate	26043-11-8
267	Cobalt arsenide (CoAs)	27016-73-5
268	Nickel arsenide	27016-75-7

순번	화학물질 명칭	고유번호 (CAS No.)
269	Manganese arsenate	27526-45-0
270	Hexafluoroarsenate(1-) lithium	29935-35-1
271	Nickel silicate (3:4)	31748-25-1
272	Europium arsenide (EuAs)	32775-46-5
273	Lead cyanamide	35112-70-0
274	Orthoboric acid lead(2+) salt	35498-15-8
275	Lead ruthenium oxide (PbRuO3)	37194-88-0
276	Silicic acid nickel salt	37321-15-6
277	Strontium arsenide (Sr3As2)	39297-24-0
278	Lead chloride silicate	39390-00-6
279	Sulfuric acid barium lead salt	42579-89-5
280	Boric acid cadmium salt	51222-60-7
281	Sulfurous acid, lead salt, basic	52231-92-2
282	Nickel divanadium hexaoxide	52502-12-2
283	Zinc arsenide	56450-43-2
284	Cobalt nickel dioxide	58591-45-0
285	Zirconium arsenide (ZrAs)	60909-47-9
286	Naphthenic acids cadmium salts	61789-34-2
287	Lead silicate sulfate (Pb2(SiO3)(SO4))	67711-86-8
288	Nickel chlorate ; Chloric acid, nickel(2+) salt	67952-43-6
289	1,2-Diethoxyethane	629-14-1
290	Fatty acids, (C=10-18), cadmium salts	68131-58-8
291	Fatty acids, (C=12-18), cadmium salts	68131-59-9
292	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	68332-81-0
293	Fatty acids, (C=14-18), cadmium salts	68409-82-5
294	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper chloride-doped	68512-49-2
295	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and manganese-doped	68512-50-5
296	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and copper-doped	68512-51-6
297	Spinel, boron calcium lead silicon white	68555-05-5
298	Spinel, lead silicon tin zinc white	68555-07-7
299	Zinc sulfide (ZnS), copper and lead-doped	68585-90-0
300	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped	68784-10-1
301	Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped	68784-55-4
302	Boric acid (H6B4O9) cadmium salt (1:3), manganese-doped	68784-58-7
303	Silicic acid (H4SiO4) magnesium manganese (2+) zinc salt, arsenic and lead-doped	68784-76-9
304	Fatty acids, tall oil, cadmium salts	68855-80-1
305	Barium cadmium sulfide (Ba2CdS3), solid soln. with barium zinc sulfide (Ba2ZnS3), manganese-doped	68876-90-4
306	Cadmium sulfide (CdS), aluminum and copper-doped	68876-98-2
307	Cadmium sulfide (CdS), aluminum and silver-doped	68876-99-3
308	Cadmium sulfide (CdS), copper chloride-dope	68877-00-9
309	Cadmium sulfide (CdS), silver chloride-doped	68877-01-0
310	Cadmium sulfide (CdS), copper and lead-doped	68891-87-2
311	Fatty acids, tallow, hydrogenated, cadmium salts	68953-39-9
312	Cadmium, laurate palmitate stearate complexes	68954-18-7
313	Resin acids and Rosin acids, cadmium salts	68956-81-0
314	Barium bismuth lead niobium titanium oxide	68987-33-7
315	Lead chromate silicate (Pb3(CrO4)(SiO4))	69011-07-0
316	Cadmium, dross	69011-69-4
317	Cadmium, sponge	69011-70-7
318	Matte, nickel	69012-50-6

순번	화학물질 명칭	고유번호 (CAS No.)
319	Lead, dross	69029-52-3
320	Calcines, cadmium residue	69029-63-6
321	Lead ores, sintered	69029-74-9
322	Fatty acids, (C=12-18), barium cadmium salts	70084-75-2
323	Silver arsenide (Ag2As)	70333-07-2
324	Nickel zirconium trioxide	70692-93-2
325	Arsenenous acid lithium salt	72845-34-2
326	Cadmium sulfide (CdS), solid soln. with zinc sulfide, cobalt and copper-doped	72869-26-2
327	Fatty acids, coco, cadmium salts	72869-63-7
328	Cadmium zinc lithopone yellow	90604-89-0
329	Cadmium lithopone yellow	90604-90-3
330	Brodifacoum	56073-10-0
331	Gallium zinc triarsenide	98106-56-0
332	Vanadium(4+) diarsenate (1:1)	99035-51-5
333	Sulfuric acid barium salt (1:1), lead-doped	99328-54-8
334	Barium tetrachlorocadmiate(2-)	99587-10-7
335	Cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped	100402-53-7
336	Lead, dross, vanadium-zinc-contg.	100656-49-3
337	Cadmium oxide (CdO), solid soln. with calcium oxide and titanium oxide (TiO2), praseodymium-doped	101356-99-4
338	Arsenic acid (H3AsO4), magnesium salt, manganese-doped	102110-21-4
339	Barium oxide (BaO), solid soln. with calcium oxide, strontium oxide and tungsten oxide (WO3), lead-doped	102110-24-7
340	Boric acid (H3BO3), solid soln. with barium oxide, calcium oxide and strontium oxide, lead and manganese-doped	102110-26-9
341	Cadmium oxide (CdO), solid soln. with magnesium oxide, tungsten oxide (WO3) and zinc oxide	102110-30-5
342	Silicic acid calcium salt, lead and manganese-doped	102110-36-1
343	Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.	102110-62-3
344	Cycloheximide	66-81-9
345	(R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone	5543-58-8
346	(S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone	5543-57-7
347	Binapacryl	485-31-4
348	Lead hexafluorosilicate	25808-74-6
349	Lead methane sulfonate	17570-76-2
350	Dinoterb	1420-07-1
351	Lead styphnate	15245-44-0
352	Lead diazide	13424-46-9
353	Dinocap	39300-45-3
354	Toluidine	26915-12-8
355	13-cis-Retinoic acid	4759-48-2
356	Disodium hydrogenarsenate	7778-43-0
357	Arsenic acid calcium salt	10103-62-5
358	Calcines, lead-zinc ore conc.	94551-62-9
359	Chromic acid, potassium zinc salt ; Potassium zinc chromate	41189-36-0
360	Chromic acid (H2CrO4) bis(triphenylsilyl) ester	1624-02-8
361	Silver chromate	7784-01-2
362	Lead bis(dipentyl)dithiocarbamate)	36501-84-5
363	Lead tetraacetate	546-67-8
364	Dibasic lead phthalate	6838-85-3
365	Octadecanoic acid lead salt ; Stearic acid lead salt	7428-48-0
366	Chromic acid (H2Cr2O7) compd. with pyridine (1:2)	20039-37-6
367	Dirubidium dichromate	13446-73-6
368	Lead acetate	15347-57-6
369	Chromic acid (H2CrO4), cobalt(2+) salt (1:1)	13455-25-9
370	Lead octoate	15696-43-2

순번	화학물질 명칭	고유번호 (CAS No.)
371	C.I. pigment red 090	51868-24-7
372	Dicesium chromate	13454-78-9
373	Basic lead styphnate	12403-82-6
374	Mercury dichromate	7789-10-8
375	Diiron tris(chromate)	10294-52-7
376	2-Ethylhexanoic acid, lead salt ; Hexanoic acid, 2-ethyl-, lead salt	16996-40-0
377	(Z)-9-Octadecenoic acid lead(2+) salt	1120-46-3
378	Chromium copper zinc oxide	1336-14-7
379	Dithallium dichromate	13453-35-5
380	Dithallium chromate	13473-75-1
381	disodium methylarsonate	144-21-8
382	Potassium chlorotrioxochromate	16037-50-6
383	2,7-(Bis(2-arsonophenylazo))-1,8-dihydroxynaphthalene-3,6-disulfonic acid	1668-00-4
384	o-Toluidine dihydrochloride	22006-17-3
385	Dichromic acid sodium salt	34493-01-1
386	Arsonous dichloride, (2-chloroethenyl)-	541-25-3
387	Oils, menhaden, lead salts	68424-76-0
388	Oils, fish, lead salts	68553-63-9
389	Fatty acids, tallow, hydrogenated, lead salts	68605-98-1
390	C.I. pigment yellow 037	68859-25-6
391	Silver dichromate	7784-02-3
392	Lead bis(dimethylthiocarbamate) ; Lead, bis(dimethylcarbamodithioato-kS,kS)-, (T-4)-	19010-66-3
393	p-tert-Butylbenzoic acid lead salt	3249-60-3
394	Octadecanoic acid, lead(2+) salt, tribasic ; Tribasic lead stearate	52080-60-1
395	Fatty acids, tall oil, lead manganese salts	61788-53-2
396	Linseed oil, reaction products with lead oxide (Pb3O4) and mastic	68152-99-8
397	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, lead(2+) bis(2-methyl-2-propenoate) and α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediy) ; Methyl methacrylate-styrene-polyethylene glycol-dimethacrylic acid-methacrylic acid lead salt copolymer	68155-47-5
398	Fatty acids, (C=8-10)-branched, lead salts, basic	68409-79-0
399	Linseed oil, lead manganese salt	68553-17-3
400	Fatty acids, (C=6-19)-branched, lead salts, basic	68603-83-8
401	Carboxylic acids, tall oil, lead salts, basic	68603-93-0
402	Castor oil, dehydrated polymer with rosin, calcium lead zinc salt	68604-05-7
403	Calcium, acetate coco fatty acids decanoate hydrogenated tallow fatty acids octanoate lead complex	68784-59-8
404	Resin acids and Rosin acids, calcium lead salts	68952-91-0
405	Linseed oil polymer with tung oil, lead salt	68990-75-0
406	Fatty acids, tallow, hydrogenated, mixed with acetic acid, coconut oil, decanoic acid and octanoic acid, calcium lead salts	69103-04-4
407	Fatty acids, (C=18)-unsatd., dimers polymers with dehydrated castor oil fatty acids and glycerol, lead salts	70879-91-3
408	Cumene	98-82-8
409	Silicon carbide	409-21-2
410	2,6-dinitrotoluene	606-20-2
411	Tetrahydro-2-furanmethanol ; Tetrahydrofurfuryl alcohol	97-99-4
412	Borax	1303-96-4
413	2-(2-Aminoethylamino)ethanol	111-41-1
414	p-t-Butylbenzoic acid	98-73-7
415	Asphalt, oxidized	64742-93-4
416	2-Methoxypropanol	1589-47-5
417	Phenol, (tetrapropenyl) derivs.	74499-35-7
418	Thiourea	62-56-6
419	Cobalt	7440-48-4
420	Trixylenyl phosphate	25155-23-1

순번	화학물질 명칭	고유번호 (CAS No.)
421	Imidazole	288-32-4
422	Tungsten carbide	12070-12-1
423	1-Ethylpyrrolidin-2-one	2687-91-4
424	10-Ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoic acid 2-ethylhexyl ester	15571-58-1
425	Dodecylphenol, branched	121158-58-5
426	Sodium perborate	11138-47-9
427	Sodium peroxometaborate	7632-04-4
428	Refractory ceramic fibers	142844-00-6
429	1,2-Benzenedicarboxylic acid dicyclohexyl ester ; Phthalic acid dicyclohexyl ester	84-61-7
430	Tetrafluoroethene	116-14-3
431	2-(4-Ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether ; Ethofenprox	80844-07-1
432	2,2'-[1,3-Phenylenebis(oxyethylene)]bis[oxirane]	101-90-6
433	2-Methoxypropyl acetate ; 2-Methoxy-1-propyl acetate	70657-70-4
434	[1-[(Butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamic acid methyl ester ; Methyl-(butylcarbamoyl)-2-benzimidazolecarbamate	17804-35-2
435	2,5,8,11-Tetraoxadodecane ; Triglyme	112-49-2
436	1,1-(Dimethylethyl)-4-methoxyphenol ; Butylhydroxyanisole	25013-16-5
437	Formamide	75-12-7
438	1-[4-(2-Chloro-α,α,α-trifluoro-p-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea	101463-69-8
439	Cobalt dichloride	7646-79-9
440	2-Methyl-4-[[2-methylphenyl]azo] benzenamine	97-56-3
441	2-Methoxynitrobenzene ; 2-Nitroanisole	91-23-6
442	C.I. basic violet 003	548-62-9
443	Disodium octaborate	12008-41-2
444	Furan	110-00-9
445	2-Methoxy-5-methylbenzenamine ; p-Cresidine, 6-Methoxy-m-toluidine	120-71-8
446	Dichloroacetic acid ; DCA	79-43-6
447	1,2-Benzenedicarboxylic acid di(C=7-11)-branched and linear alkyl esters	68515-42-4
448	Methoxy acetic acid	625-45-6
449	Hydrazine, sulfate (1:1) ; Hydrazinium(2+) sulfate	10034-93-2
450	N-Nitrosodiphenylamine ; N-Nitroso-N-phenylbenzenamine	86-30-6
451	1,2-Benzenedicarboxylic acid dihexyl ester ; Dihexyl phthalate	84-75-3
452	3,3-Bis(4-hydroxyphenyl)-1-(3H)-isobenzofuranone	77-09-8
453	2-Methylaziridine ; Propylene imine	75-55-8
454	Cobalt carbonate	513-79-1
455	4,4'-Bis(dimethylamino)benzophenone ; Bis[4-(dimethylamino)phenyl]methanone	90-94-8
456	Coumatetralyl	5836-29-3
457	1,1-Dimethylhydrazine	57-14-7
458	2-Nitropropane	79-46-9
459	Alkanes, (C=12-26)-branched and linear	90622-53-0
460	2-Methoxyethyl acetate	110-49-6
461	Pentadecafluorooctanoic acid ammonium salt ; Ammonium pentadecafluorooctanoate	3825-26-1
462	Tribromomethane ; Bromoform	75-25-2
463	Indium phosphide (InP)	22398-80-7
464	Dimethylnitrosoamine ; n-Nitrosodimethylamine	62-75-9
465	1,2,3-Trichloropropane	96-18-4
466	2,4,6-Trichlorophenol	88-06-2
467	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluoro-1-octanesulfonic acid	17673-23-1
468	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluoro-1-octane sulfonic acid ammonium salt	29081-56-9
469	Lithium heptadecafluorooctanesulfonate	29457-72-5
470	[R-(R*,R*)]-2,2-Dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide ; Chloramphenicol, D-Chloramphenicol	56-75-7

순번	화학물질 명칭	고유번호 (CAS No.)
471	β-Propiolactone	57-57-8
472	Phenylhydrazine monohydrochloride	59-88-1
473	Dimethylcarbamoyl chloride	79-44-7
474	5-(2-Propenyl)-1,3-benzodioxole ; 5-Allyl-1,3-benzodioxole, Safrole	94-59-7
475	4,4'-Methylenebis[N,N-dimethylbenzenamine] ; Tetramethyldiaminodiphenylmethane,4,4'-Methylenebis(N,N'-dimethylaniline)	101-61-1
476	4-Chlorobenzeneamine ; p-Chloroaniline	106-47-8
477	9-Ethyl-9H-carbazol-3-amine ; 3-Amino-9-ethylcarbazole, 9-Ethylcarbazol-3-ylamine	132-32-1
478	4,4'-Thiobisbenzenamine ; 4,4'-Thiodianiline, Thioaniline	139-65-1
479	Diazomethane	334-88-3
480	Isobutyl nitrite	542-56-3
481	Bromoethene ; Vinyl bromide	593-60-2
482	1-Methyl-2,3-dinitrobenzene ; 2,3-Dinitrotoluene	602-01-7
483	3,4-Dinitrotoluene	610-39-9
484	4-Methoxy-1,3-benzenediamine ; 4-Methoxy-m-phenylenediamine	615-05-4
485	Hexamethylphosphoramide ; Hempa, HMPA	680-31-9
486	Beryllium oxide	1304-56-9
487	1,4,5,8-Tetraamino-9,10-anthracenedione ; 1,4,5,8-Tetraaminoanthraquinone	2475-45-8
488	Hydrazinecarboxylic acid, [(1,4-dioxido-2-quinoxaliny)methylene]-, methyl ester ; carbadox	6804-07-5
489	Potassium bromate	7758-01-2
490	4-Methoxy-1,3-benzenediamine sulfate (1:1) ; 2,4-Diaminoanisole sulfate	39156-41-7
491	Hydrocarbons, (C=26-55), arom.-rich	97722-04-8
492	[(2-Methylpropoxy)thioxomethyl]carbamic acid ethyl ester	103122-66-3
493	2,3-Dihydro-6-propyl-2-thioxo-4(1H)-pyrimidinone ; 6-Propyl-2-thiouracil, Propylthiouracil	51-52-5
494	5,5-Diphenyl-2,4-imidazolidinedione ; Diphenyl hydantoin, Phenytain	57-41-0
495	Pregn-4-ene-3,20-dione ; Progesterone	57-83-0
496	N,N-Dimethyl-4-(phenylazo)benzenamine ; p-(Dimethylamino)azobenzene	60-11-7
497	Methanesulfonic acid ethyl ester ; Ethyl methanesulfonate	62-50-0
498	17-Hydroxy-19-nor-17α-pregn-4-en-20-yn-3-one ; Norethisterone, Norethindrone	68-22-4
499	N-Methylacetamide	79-16-3
500	1,2-Dimethoxy-4-(2-propenyl)benzene ; 4-Allyl-1,2-dimethoxybenzene, 4-Allylveratrole	93-15-2
501	3-Oxiranyl-7-oxabicyclo[4.1.0]heptane ; 7-Oxa-3-oxiranyl-bicyclo[4.1.0]heptane	106-87-6
502	1,4,5,6,7,7-Hexachlorobicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid	115-28-6
503	1,8-Dihydroxy-9,10-anthracenedione	117-10-2
504	Diethyl(dimethoxyphosphinothioylthio) succinate ; Malathion	121-75-5
505	1,2-Benzenedicarboxylic acid dipentyl ester ; Diamyl phthalate	131-18-0
506	N-Hydroxy-N-nitrosobenzeneamine ammonium salt	135-20-6
507	3-(Phenylazo)-2,6-pyridinediamine monohydrochloride ; Phenazopyridine hydrochloride, Pyridium, Sedural	136-40-3
508	Pentadecafluorooctanoic acid	335-67-1
509	1-(2-Hydroxyethyl)-2-methyl-5-nitroimidazole ; 2-Methyl-5-nitro-1H-imidazole-1-ethanol, Metronidazole	443-48-1
510	Tetranitromethane	509-14-8
511	3-Chloro-2-methylpropene	563-47-3
512	5,5-Diphenyl-2,4-imidazolidinedione sodium salt ; Sodium 5,5-diphenylhydantoin	630-93-3
513	Dibromoneopentylglycol	3296-90-0
514	Orthoboric acid sodium salt	13840-56-7
515	Disodium diboron diperoxide tetrahydroxide	15120-21-5
516	N-3,5-Dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	50471-44-8
517	2,4'-Dichloro-α(pyrimidin-5-yl)benzhydryl alcohol	60168-88-9
518	N-Methoxy N-cyclohexyl-2,5-dimethyl-3-furancarboxamide	60568-05-0

순번	화학물질 명칭	고유번호 (CAS No.)
519	cis-1-Acetyl-4-[4-[[[2-(2,4-dichlorophenyl)-2-(1H-imidazole-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazine ; Ketoconazole	65277-42-1
520	Butyl-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate ; Fluazifop-butyl	69806-50-4
521	1,2-Benzenedicarboxylic acid di(C=6-8)-branched alkyl esters, (C=7)-rich	71888-89-6
522	Bis(4-fluorophenyl)methyl(1H-1,2,4-triazol-1-ylmethyl)silane ; Fusilazole	85509-19-9
523	(4-Ethoxyphenyl)[3-(4-fluoro-3-phenoxyphenyl)propyl]dimethyl silane	105024-66-6
524	N-(Phosphonomethyl)glycine ; Glyphosate	1071-83-6
525	Chlorophacinone	3691-35-8
526	3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin	56073-07-5
527	Flocoumafen	90035-08-8
528	1,2-Benzenedicarboxylic acid dihexyl ester, branched and linear	68515-50-4
529	Bromadiolone	28772-56-7
530	1-[1-[[4-Chloro-2-(trifluoromethoxy)phenyl]imino]-2-propoxyethyl]-1H-imidazole ; Triflumizole	68694-11-1
531	Trichloroacetaldehyde	75-87-6
532	Resin acids and Rosin acids, lead salts	9008-26-8
533	Hydrazine hydrate	7803-57-8
534	Lead sulfite (PbSO3)	7446-10-8
535	Lead acetate	301-04-2
536	Nickel subsulfide	16812-54-7
537	1,2-Benzenedicarboxylic acid di-(C=6-10)-alkyl esters	68515-51-5
538	Lead bis(tetrafluoroborate)	13814-96-5
539	C.I. pigment yellow 041	8012-00-8
540	Tetraethyl lead	78-00-2
541	C.I. basic blue 026	2580-56-5
542	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)-1-naphthalenemethanol	6786-83-0
543	Formaldehyde polymer with benzenamine	25214-70-4
544	Lead dipicrate	6477-64-1
기타	위의 해당 화학물질의 수화물도 등록대상에 해당함	