

생활 속 유해물질 리스트 108

발암성, 변이성, 생식독성, 내분비계교란물질, 잔류성/농축성 등 고위험 우려물질을 대상으로 한 국내외 화학물질 데이터베이스를 활용하여 총 4,419개 물질의 목록을 만들고 유럽의 SIN List 2.1과 미국 mind the store의 hazardous 100+, 물질의 위험성, 국내외 관심도나 이슈 등을 고려하여 총 108개의 화학물질을 선정하였습니다.

"생활 속 유해물질 리스트 108"은 일상에서 접하게 되는 화학물질 중 우선 줄여야 할 유해물질을 선정하여 목록화한 것입니다.

생활 속에서 접하게 되는 유해물질은 더 많이 존재하지만 이 108가지 물질을 시작으로 유해물질 저감의 노력이 지속될 수 있기를 바랍니다.

ver. 2014.3

NO.	CAS no.	영문명	국문명	CLP Hazard	Primary Type of Toxicity	Primary Category
1	91-59-8	2-naphthylamine	2-나프틸아민	Carc. 1A	cancer	Dyes & Pigments
2	60-09-3	4-aminoazobenzene	p-아미노아조벤젠	Carc. 1B	cancer	Dyes & Pigments
3	95-53-4	o-toluidine	톨루이딘	Carc. 1B	cancer	Dyes & Pigments
4	120-71-8	6-methoxy-m-toluidine	6-메톡시-m-톨루이딘	Carc. 1B	cancer	Dyes & Pigments
5	838-88-0	4,4'-methylenedi-o-toluidine	4,4'-메틸렌디-o-톨루이딘	Carc. 1B	cancer	Dyes & Pigments
6	62-53-3	aniline	아닐린	Carc. 2 Muta. 2	cancer	Dyes & Pigments
7	101-61-1	N,N,N',N'-tetramethyl-4,4'-methylenedianiline	테트라메틸 메틸렌디아닐린	Carc. 1B	cancer	Dyes & Pigments
8	92-87-5	benzidine	벤지딘	Carc. 1A	cancer	Dyes & Pigments
9	119-93-7	3,3'-Dimethylbenzidine	3,3'-디메틸벤지딘	Carc. 1B	cancer	Dyes & Pigments
10	531-86-2	[[[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate	벤지딘 염류	Carc. 1A	cancer	Dyes & Pigments
11	36341-27-2	Benzidine acetate	벤지딘 아세테이트	Carc. 1A	cancer	Dyes & Pigments
12	531-85-1	Benzidine dihydrochloride	벤지딘디수화염화물	Carc. 1A	cancer	Dyes & Pigments
13	21136-70-9	Benzidine sulphate	벤지딘 염류	Carc. 1A	cancer	Dyes & Pigments
14	90-94-8	Michler's ketone	미힐러 케톤	Carc. 1B Muta. 2	cancer	Dyes & Pigments
15	97-56-3	o-aminoazotoluene	o-아미노아조톨루엔	Carc. 1B	cancer	Dyes & Pigments
16	25637-99-4	Hexabromocyclododecane	헥사브로모시클로도데칸	PBT	PBT	Halogenated Flame Retardants
17	79-94-7	tetrabromobisphenol-A	테트라브로모비스페놀 에이		PBT	Halogenated Flame Retardants
18	115-96-8	tris(2-chloroethyl)phosphate	트리스(2-클로로에틸)포스페이트	Carc. 2 Repr. 1B	cancer	Halogenated Flame Retardants
19	106-94-5	1-bromopropane	1-브로모프로판	Repr. 1B	developmental	Halogenated Solvents

20	127-18-4	tetrachloroethylene	테트라클로로에틸렌	Carc. 2	cancer	Halogenated Solvents
21	79-01-6	trichloroethylene	트라이클로로에틸렌	Carc. 1B Muta. 2	cancer	Halogenated Solvents
22	1309-64-4	antimony trioxide	삼산화안티몬	Carc. 2	cancer	Metals
23	7440-38-2	arsenic	비소		cancer	Metals
24	7440-41-7	beryllium	베릴륨	Carc. 1B	cancer	Metals
25	7440-43-9	cadmium (non-pyrophoric)//cadmium (pyrophoric)	카드뮴	Carc. 1B Muta. 2 Repr. 2	cancer	Metals
26	7440-47-3	Chromium & chromium compounds*	크롬		cancer, developmental	Metals
27	7440-48-4	cobalt	코발트	Resp. Sens. 1	cancer	Metals
28	7439-92-1	Lead	납	Repr. 1A	cancer	Metals
29	7439-97-6	mercury	수은	Repr. 1B	developmental	Metals
30	7440-02-0	nickel//nickel powder	니켈	Carc. 2, Skin Sens. 1	cancer	Metals
31	1067-29-4	bis(triisopropyltin) oxide	비스(트리프로필주석) 옥사이드	Official classification missing - 57f substance	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
32	1002-53-5	Dibutyltin (DBT)	디부틸주석	Muta. 2 Repr. 1B	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
33	77-58-7	Dibutyltin (dilaurate)	디부틸주석	Muta. 2 Repr. 1B	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
34	683-18-1	dibutyltin dichloride	디부틸주석 염화물	Muta. 2 Repr. 1B	reproductive (Cat 1B)	Organotins
35	900-95-8	fentin acetate (ISO)	트리페닐주석 아세테이트	Carc. 2 Repr. 2	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
36	56573-85-4	Tributyltin	트리부틸주석	Official classification missing - 57f substance. Source: ECHA	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
37	1461-22-9	Tributyltin chloride	수산화 트리알킬주석 염류	Official classification missing - 57f substance. Source: ECHA	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
38	688-73-3	Tributyltin hydride	수산화 트리알킬주석 염류	Official classification missing - 57f substance. Source: ECHA	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
39	56-35-9	Tributyltin oxide (TBTO)	트릴부틸주석산화물	PBT	PBT	Organotins
40	668-34-8	Triphenyltin (TPhT)	트리페닐주석	Official classification missing - 57f substance	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
41	639-58-7	Triphenyltin chloride	트리페닐주석 염화물	Official classification missing - 57f substance	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
42	76-87-9	triphenyltin hydroxide	트리페닐주석 화합물	Carc. 2 Repr. 2	cancer	Organotins
43	2279-76-7	Tripropyltin chloride	트리프로필주석 염화물	Official classification missing - 57f substance	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins

44	761-44-4	Tripropyltin hydride	트리프로필주석 화합물	Official classification missing - 57f substance	anticipated: - reproductive (based on DBTC); - PBT (based on TBTO);- cancer (based on TPTH)	Organotins
45	1763-23-1	perfluorooctane sulfonic acid	PFOS	Carc. 2 Repr. 1B S	reproductive (Cat 1B)	Perfluorinated Chemicals (PFCs)
46	335-67-1	Perfluorooctanoic acid (PFOA)	PFOA	Official classification missing - 57f substance. Source: ECHA	reproductive and developmental	Perfluorinated Chemicals (PFCs)
47	85-68-7	Butylbenzyl phthalate	부틸벤질 프탈레이트	Repr. 1B	developmental	Phthalates
48	117-81-7	bis(2-ethylhexyl) phthalate	비스(2-에틸헥실) 프탈레이트	Repr. 1B	cancer	Phthalates
49	84-74-2	dibutyl phthalate	디부틸 프탈레이트	Repr. 1B	developmental	Phthalates
50	84-66-2	diethyl phthalate (DEP)	디에틸 프탈레이트	Official classification missing - 57f substance	endocrine disruption (Cat 1)	Phthalates
51	84-75-3	dihexyl phthalate (DHP)	디헥실 프탈레이트	Official classification missing - 57f substance	developmental	Phthalates
52	84-69-5	diisobutyl phthalate	디이소부틸 프탈레이트	Repr. 1B	reproductive (Cat 1B)	Phthalates
53	28553-12-0	Diisononyl phthalate	디이소노닐 프탈레이트	Official classification missing - 57f substance. Source: ECHA	developmental	Phthalates
54	131-18-0	di-n-pentyl phthalate	디-n-펜틸프탈레이트	Repr. 1B	developmental	Phthalates
55	2451-62-9	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	TGIC	Muta. 1B	developmental	Plastics Building Blocks
56	106-99-0	1,3-butadiene	1,3-부타디엔	Carc. 1A Muta. 1B	cancer	Plastics Building Blocks
57	106-89-8	1-chloro-2,3-epoxypropane	에피클로로히드린	Carc. 1B	cancer	Plastics Building Blocks
58	101-14-4	2,2'-dichloro-4,4'-methylenedianiline	4,4'-메틸렌비스(2-클로로아닐린)	Carc. 1B	cancer	Plastics Building Blocks
59	121-14-2	2,4-dinitrotoluene	2,4-디니트로톨루엔	Carc. 1B Muta. 2 Repr. 2	cancer	Plastics Building Blocks
60	101-77-9	4,4'-methylenedianiline	4,4'-메틸렌디아닐린	Carc. 1B Muta. 2	cancer	Plastics Building Blocks
61	95-80-7	4-methyl-m-phenylenediamine	톨루엔디아민	Carc. 1B Muta. 2 Repr. 2	cancer	Plastics Building Blocks
62	107-13-1	acrylonitrile	아크릴로니트릴	Carc. 1B	cancer	Plastics Building Blocks
63	80-05-7	bisphenol A	4,4'-비스페놀 에이	Repr. 2	endocrine disruption	Plastics Building Blocks
64	101-80-4	p-aminophenyl ether	p-아미노페닐에테르	Carc. 1B Muta. 1B Repr. 2	cancer	Plastics Building Blocks
65	75-56-9	propylene oxide	산화프로필렌	Carc. 1B Muta. 1B	cancer	Plastics Building Blocks
66	100-42-5	styrene	스타이렌		cancer (reasonably anticipated)	Plastics Building Blocks

67	94-26-8	Butyl paraben	부틸 파라벤	Official classification missing - 57f substance	endocrine disruption (Cat 1)	Preservatives & Antimicrobials
68	94-13-3	Propyl paraben	프로필 파라벤	Official classification missing - 57f substance	endocrine disruption (Cat 1)	Preservatives & Antimicrobials
69	25013-16-5	tert.-Butylhydroxyanisole (BHA)	터트-부틸-4-메톡시페놀	Official classification missing - 57f substance	cancer	Preservatives & Antimicrobials
70	3380-34-5	triclosan	트리클로산		endocrine disruption; potential antibiotic resistance	Preservatives & Antimicrobials
71	556-67-2	octamethylcyclotetrasiloxane	옥타메틸시클로테트라실록산	Repr. 2	endocrine disruption (Cat 1)	Siloxanes
72	110-80-5	2-ethoxyethanol	2-에톡시에탄올	Repr. 1B	developmental	Solvents
73	111-15-9	2-ethoxyethyl acetate	2-에톡시에틸 아세테이트	Repr. 1B	developmental	Solvents
74	109-86-4	2-methoxyethanol	2-메톡시에탄올	Repr. 1B	developmental	Solvents
75	127-19-5	N,N-dimethylacetamide	디메틸아세트아마이드	Repr. 1B	developmental	Solvents
76	872-50-4	N-methyl-2-pyrrolidone	n-메틸-2-피롤리돈	Repr. 1B	developmental	Solvents
77	140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol	4-tert-옥틸페놀		endocrine disruption	Surfactants
78	9016-45-9	Nonylphenol, ethoxylated	노닐페놀 에톡시레이트	Official classification missing - 57f substance. Source: ECHA	endocrine disruption	Surfactants
79	104-40-5	p-nonylphenol	노닐페놀류	Official classification missing - 57f substance. Source: ECHA	endocrine disruption (Cat 1)	Surfactants
80	5466-77-3	2-ethylhexyl 4-methoxycinnamate	2-에틸헥실-4-메톡시시안메이트	Official classification missing - 57f substance	endocrine disruption (Cat 1)	Ultraviolet (UV) Light Absorbers
81	131-55-5	Benzophenone-2 (Bp-2)	벤조페논-2	Official classification missing - 57f substance	endocrine disruption (Cat 1)	Ultraviolet (UV) Light Absorbers
82	96-18-4	1,2,3-trichloropropane	1,2,3-트리클로로프로판	Carc. 1B Repr. 1B	cancer	Various Uses
83	106-93-4	1,2-dibromoethane	1,2-디브로모에탄	Carc. 1B	cancer	Various Uses
84	107-06-2	1,2-dichloroethane	1,2-이염화에탄	Carc. 1B	cancer	Various Uses
85	90-04-0	2-methoxyaniline	o-아니시딘		cancer	Various Uses
86	106-47-8	4-chloroaniline	4-클로로아닐린	Carc. 1B	cancer	Various Uses
87	79-06-1	acrylamide	아크릴아미드	Carc. 1B Muta. 1B Repr. 2	cancer	Various Uses
88	85535-84-8	alkanes, C10-13, chloro	염화파라핀	Carc. 2	PBT; vPvB	Various Uses
89	71-43-2	benzene	벤젠	Carc. 1A Muta. 1B	cancer	Various Uses
90	92-67-1	biphenyl-4-ylamine	4-아미노비페닐	Carc. 1A	cancer	Various Uses
91	64-67-5	diethyl sulphate	황산 디에틸	Carc. 1B Muta. 1B	cancer	Various Uses
92	77-78-1	dimethyl sulphate	황산 디메틸	Carc. 1B Muta. 2	cancer	Various Uses
93	62-75-9	dimethylnitrosoamine	디메틸니트로소아민	Carc. 1B	cancer	Various Uses
94	50-00-0	formaldehyde	폼알데하이드	Carc. 2	cancer	Various Uses
95	110-00-9	furan	퓨란	Carc. 1B Muta. 2	cancer	Various Uses

96	87-68-3	Hexachlorobuta-1,3-diene	헥사클로로부타디엔	PBT	cancer	Various Uses
97	302-01-2	hydrazine	히드라진	Carc. 1B	cancer	Various Uses
98	77-09-8	phenolphthalein	페놀프탈레인	Carc. 1B Muta. 2 Repr. 2	cancer	Various Uses
99	126-72-7	Tris(2,3-dibromopropyl) phosphate	트리스(2,3-디브로모프로필)포스페이트		cancer	Halogenated Flame Retardants
100	75-09-2	dichloromethane	디클로로메탄		cancer	Halogenated Solvents
101	26761-40-0	Diisodecyl phthalate	디이소데실 프탈레이트		developmental	Phthalates
102	117-84-0	Dioctyl phthalate	디옥틸 프탈레이트		developmental	Phthalates
103	75-01-4	vinyl chloride	염화비닐		cancer	Plastics Building Blocks
104	120-47-8	Ethyl paraben	에틸 파라벤		endocrine disruption (Cat 1)	Preservatives & Antimicrobials
105	99-76-3	Methyl paraben	메틸 파라벤		endocrine disruption (Cat 1)	Preservatives & Antimicrobials
106	4080-31-3	Quaternium-15	콰테르니움-15		cancer (based on formaldehyde)	Preservatives & Antimicrobials
107	108-88-3	toluene	톨루엔		developmental	Solvents
108	123-91-1	1,4-dioxane	1,4-다이옥산		cancer	Various Uses

* EU의 SIN 2.1, SCHF의 The 100+, EU의 CLP(SVHC), EU의 CLP, 국내 유해화학물질, 국내 어린이용품 유해인자 등을 기초로 작성되었습니다.

* 생활 속 유해물질 리스트의 선정은 노동환경건강연구소, 발암물질없는사회만들기국민행동 그리고 환경정의가 함께 하였습니다.

