

CAS #	Chemical	LLNA	GHS	oIL-8 Luc assay	oIL-8 Luc assay MIT (µg/mL)	IL-8 Luc assay	IL-8 Luc assay (OECD 442E)	Based on measured values ^{Re1}		Based on EPISuite™ data ^{Re2}	
								Stock solution (mg/mL)	mIL-8 Luc assay MIT (µg/mL)	Stock solution (mg/mL)	mIL-8 Luc assay MIT (µg/mL)
93-91-4	1-Benzoylacetone(1-BA)	Extreme	1A	sensitizer	15.630	sensitizer	positive	0.2	12.5	20.3	1250
1086-00-6	1-Chloromethylpyrene	Extreme	1A	sensitizer	0.120	sensitizer	positive	0.2	25.0	0.0	0.0
97-00-7	2,4-Dinitrochlorobenzene(DNCB)	Extreme	1A	sensitizer	0.690	sensitizer	positive	0.2	0.7	0.2	0.9
100-11-8	4-Nitrobenzyl bromide(4-NBB)	Extreme	1A	sensitizer	0.240	sensitizer	positive	0.2	3.9	0.1	1.4
20048-27-5	Bandrowski's base	Extreme	1A	sensitizer	3.660	sensitizer	positive	0.2	6.3	1.1	33.4
7787-56-6	Beryllium sulfate tetrahydrate	Extreme	1A	non-sensitizer		sensitizer	positive	4.0	1250.0	4.0	1250.0
70-34-8	Dinitrofluorobenzene	Extreme	1A	sensitizer	1.370	sensitizer	positive	0.2	0.1	0.4	0.2
886-38-4	Diphenylcyclopropanone (DPCP)	Extreme	1A	sensitizer	1.540	sensitizer	positive	0.2	3.1	0.1	1.1
15646-46-5	Oxazolone	Extreme	1A	non-sensitizer		sensitizer	positive	0.2	8.8	1.8	81.0
106-51-4	p-Benzoquinone	Extreme	1A	sensitizer	0.610	sensitizer	positive	0.2	0.0	74.5	3.9
7778-50-9	Potassium dichromate	Extreme	1A	sensitizer	0.980	sensitizer	positive	4.0	2.0	4.0	2.0
1154-59-2	Tetrachlorosalicylanilide	Extreme	1A	sensitizer	4.880	sensitizer	positive	0.2	8.8	0.0	0.0
123-31-9	1,4-Dihydroquinone	Strong	1A	sensitizer	1.950	sensitizer	positive	4.0	2.0	4.0	2.0
106-50-3	1,4-Phenylenediamine(PPD)	Strong	1A	non-sensitizer	74.070	sensitizer	positive	4.0	9.8	4.0	9.8
95-55-6	2-Aminophenol	Strong	1A	sensitizer	4.340	sensitizer	positive	0.2	0.2	32.4	19.5
5307-14-2	2-Nitro-1,4-phenylenediamine	Strong	1A	sensitizer	3.910	non-sensitizer	SNBC	0.2		25.9	
94-36-0	Benzoyl peroxide	Strong	1A	sensitizer	27.780	non-sensitizer	SNBC	0.2		0.0	
100-39-0	Benzyl bromide	Strong	1A	sensitizer	0.980	sensitizer	positive	0.2	1.6	0.2	1.5
127-65-1	Chloramine-T	Strong	1A	sensitizer	125.000	sensitizer	positive	4.0	117.1	4.0	117.1
69-09-0	Chlorpromazine hydrochloride	Strong	1A	sensitizer	7.810	sensitizer	positive	4.0	7.8	4.0	7.8
7646-79-9	Cobalt chloride hexahydrate	Strong	1A	sensitizer	31.250	sensitizer	positive	4.0	31.3	4.0	27
50-00-0	Formaldehyde	Strong	1A	sensitizer	7.810	sensitizer	positive	4.0	7.8	4.0	7.8
111-30-8	Glutaraldehyde	Strong	1A	sensitizer	5.490	sensitizer	positive	4.0	9.8	4.0	9.8
6259-76-3	Hexyl salicylate	Strong	1A	sensitizer	7.810	non-sensitizer	SNBC	0.2		0.0	
55406-53-6	Iodopropynyl butylcarbamate	Strong	1A	sensitizer	1.370	sensitizer	positive	0.2	1.6	0.1	1.0
1166-52-5	Lauryl gallate	Strong	1A	sensitizer	1.830	sensitizer	positive	0.2	3.1	0.0	0.0
108-31-6	Maleic anhydride	Strong	1A	non-sensitizer	500.000	OAD	OAD	2		4.9	
35691-65-7	Methyl dibromoglutaronitrile(MDGN)	Strong	1A	sensitizer	2.740	sensitizer	positive	0.2	0.5	0.4	1.0
85-44-9	Phthalic anhydride	Strong	1A	non-sensitizer		OAD	OAD	0.2		3.3	
121-79-9	Propyl gallate	Strong	1A	sensitizer	3.910	sensitizer	positive	0.2	0.1	4.2	2.0
90-15-3	1-Naphthol	Moderate	1A	sensitizer	14.630	sensitizer	positive	0.2	1.6	1.1	8.8
579-07-7	1-Phenyl-1,2-propanedione	Moderate	1A	sensitizer	65.840	sensitizer	positive	0.2	4.9	2.6	64.2
96-27-5	1-Thioglycerol(3-mercapto-1,2-propanediol)	Moderate	1B	sensitizer	34.680	sensitizer	positive	4.0	78.0	4.0	78.0
2634-33-5	1,2-Benzisothiazolin-3-one	Moderate	1B	sensitizer	0.490	sensitizer	positive	0.2	0.1	21.4	9.1
3344-77-2	12-Bromo-1-dodecanol	Moderate	1B	sensitizer	1.950	sensitizer	positive	0.2	5.9	0.0	0.1
818-61-1	2-Hydroxyethyl acrylate	Moderate	1A	non-sensitizer		non-sensitizer	negative	4.0		4.0	
149-30-4	2-Mercaptobenzothiazole(2-MBT)	Moderate	1A	sensitizer	125.000	sensitizer	positive	0.2	29.6	0.5	80.5
93-51-6	2-Methoxy-4-methylphenol	Moderate	1B	sensitizer	62.500	sensitizer	positive	2	15.6	2.1	16.4
93-53-8	2-Phenylpropionaldehyde	Moderate	1B	sensitizer	7.810	sensitizer	positive	0.2	1.9	0.9	8.1
4313-03-5	2,4-Heptadienal	Moderate	1B	sensitizer	1.950	sensitizer	positive	0.2	0.1	2.8	0.9
591-27-5	3-Aminophenol	Moderate	1B	sensitizer	29.260	sensitizer	positive	4.0	62.5	4.0	62.5
109-55-7	3-Dimethylaminopropylamine	Moderate	1B	sensitizer	1.950	sensitizer	positive	4.0	197.5	4.0	197.5
17369-59-4	3-Propylenephthalide	Moderate	1B	sensitizer	62.500	sensitizer	positive	0.2	44.4	1.1	241.6
119-84-6	3,4-Dihydrocoumarin	Moderate	1B	non-sensitizer		sensitizer	positive	2	444.4	11.5	2555.6
106-47-8	4-Chloroaniline	Moderate	1B	non-sensitizer	333.330	sensitizer	positive	0.2	12.5	2.6	160.8
21834-92-4	5-Methyl-2-phenyl-2-hexenal	Moderate	1B	sensitizer	1.950	sensitizer	positive	0.2	0.2	0.0	0.0
101-39-3	a-Methylcinamic aldehyde	Moderate	1B	sensitizer	3.910	sensitizer	positive	0.2	25.0	0.8	94.1
118-58-1	Benzyl salicylate	Moderate	1B	sensitizer	7.810	sensitizer	positive	0.2	25.0	0.0	3.1
122-57-6	Benzylideneacetone	Moderate	1B	sensitizer	15.630	sensitizer	positive	0.2	1.2	1.3	8.3
104-55-2	Cinnamic aldehyde(Cinnamal)	Moderate	1B	sensitizer	14.630	sensitizer	positive	0.2	0.8	2.2	8.4
23593-75-1	Clotrimazole	Moderate	1B	sensitizer	6.170	non-sensitizer	SNBC	0.2		0.0	
141-05-9	Diethyl maleate	Moderate	1B	non-sensitizer	74.070	sensitizer	positive	2	7.8	0.8	3.1
64-67-5	Diethyl sulfate	Moderate	1B	non-sensitizer		sensitizer	positive	2	125.0	7.0	437.5
111-40-0	Diethylenetriamine	Moderate	1B	sensitizer	888.890	sensitizer	positive	4.0	1000.0	4.0	1000.0
2785-87-7	Dihydroeugenol(2- Methoxy- 4- propylphenol)	Moderate	1B	sensitizer	15.630	sensitizer	positive	0.2	1.6	0.9	6.9
107-15-3	Ethylene diamine	Moderate	1B	non-sensitizer		sensitizer	positive	4.0	156.3	4.0	156.3
107-22-2	Glyoxal	Moderate	1A	non-sensitizer	1333.330	sensitizer	positive	4.0	1250.0	4.0	1250.0
97-54-1	Isoeugenol	Moderate	1A	sensitizer	15.630	sensitizer	positive	0.2	1.6	0.2	1.3
111-80-8	Methyl-2-nonynoate	Moderate	1B	non-sensitizer		sensitizer	positive	0.2	6.3	0.1	4.5
2682-20-4	Methylisothiazolinone, 2-Methyl-2HIsothiazol-3-one(KeratinoSens)	Moderate	1A	sensitizer	1.630	sensitizer	positive	4.0	0.8	4.0	0.8
10101-97-0	Nickel sulphate hexahydrate	Moderate	1B	sensitizer	31.250	sensitizer	positive	4.0	62.5	4.0	62.5
7718-54-9	Nickel(II) chloride	Moderate	1B	sensitizer	17.340	sensitizer	positive	4.0	34.7	4.0	34.7
18031-40-8	Perilaldehyde	Moderate	1B	sensitizer	15.630	sensitizer	positive	0.2	0.2	0.2	0.2
122-78-1	Phenylacetaldehyde	Moderate	1B	sensitizer	15.630	sensitizer	positive	2	7.8	3.0	11.8
108-46-3	Resorcinol	Moderate	1B	sensitizer	34.680	sensitizer	positive	4.0	15.6	4.0	15.6
133-37-9	Tartaric acid	Moderate	1B	sensitizer	888.890	sensitizer	positive	4.0	395.1	4.0	395.1
137-26-8	Tetramethylthiuramdisulphide(TMTD)	Moderate	1B	sensitizer	3.910	sensitizer	positive	0.2	29.6	0.0	4.4
6728-26-3	trans-2-Hexenal	Moderate	1B	sensitizer	1.950	sensitizer	positive	2	0.4	5.3	1.0
552-30-7	Trimellitic anhydride	Moderate	1B	non-sensitizer		sensitizer	positive	2	197.5	1.0	102.3
112-45-8	Undec-10-enal	Moderate	1B	sensitizer	15.630	sensitizer	positive	0.2	3.1	0.0	0.5
5989-27-5	(R)-(+)-Limonene	Weak	1B	non-sensitizer		sensitizer	positive	0.2	50.0	0.0	5.0
111-25-1	1-Bromohexane	Weak	1B	non-sensitizer		non-sensitizer	SNBC	0.2		0.0	
103-11-7	2-Ethylhexyl acrylate	Weak	1B	sensitizer	3.910	sensitizer	positive	0.2	44.4	0.1	22.2
431-03-8	2,3-Butanedione	Weak	1B	sensitizer	31.250	sensitizer	positive	4.0	62.5	4.0	62.5
140-67-0	4-Allylanisole	Weak	1B	non-sensitizer		sensitizer	positive	0.2	3.1	0.1	1.3
13706-86-0	5-Methyl-2,3-hexanedione	Weak	1B	non-sensitizer		sensitizer	positive	0.2	5.9	82.5	585.3
514-10-3	Abietic acid	Weak	1B	sensitizer	65.840	sensitizer	positive	0.2	100.0	0.0	0.0
122-40-7	Amyl cinnamic aldehyde	Weak	1B	sensitizer	0.980	sensitizer	positive	0.2	0.2	0.0	0.0
62-53-3	Aniline	Weak	1B	non-sensitizer		non-sensitizer	negative	4.0		4.0	
60-09-3	Benzocaine	Weak	1B	non-sensitizer		non-sensitizer	SNBC	0.2		0.0	
103-41-3	Benzyl cinnamate	Weak	1B	sensitizer	29.260	sensitizer	positive	0.2	66.7	0.0	3.1
1565-94-2	Bis-GMA	Weak	1B	sensitizer	3.910	sensitizer	positive	0.2	13.2	0.0	0.2
2426-08-6	Butyl glycidyl ether	Weak	1B	sensitizer	62.500	sensitizer	positive	4.0	7.8	4.0	7.8
104-54-1	Cinnamic alcohol	Weak	1B	sensitizer	62.500	sensitizer	positive	0.2	6.6	6.2	203.7
5392-40-5	Citral	Weak	1B	sensitizer	7.810	sensitizer	positive	0.2	0.4	0.1	0.2
103-95-7	Cyclamen aldehyde	Weak	1B	sensitizer	1.950	sensitizer	positive	0.2	14.8	0.0	0.0
97-90-5	Ethylene glycol dimethacrylate	Weak	1B	non-sensitizer		sensitizer	positive	0.2	44.4	0.6	129.0

97-53-0	Eugenol	Weak	1B	sensitizer	8.670	sensitizer	positive	0.2	0.8	0.8	2.9
19317-11-4	Farnesal	Weak	1B	sensitizer	3.090	sensitizer	positive	0.2	6.3	0.0	0.0
106-24-1	Geraniol	Weak	1B	sensitizer	3.910	sensitizer	positive	0.2	12.5	0.3	16.0
101-86-0	Hexyl cinnamic aldehyde	Weak	1B	sensitizer	3.910	sensitizer	positive	0.2	3.1	0.0	0.0
107-75-5	Hydroxycitronellal	Weak	1B	sensitizer	29.260	sensitizer	positive	2	2.0	3.0	3.0
39236-46-9	Imidazolidinyl urea	Weak	1B	sensitizer	16.460	sensitizer	positive	4.0	18.5	4.0	18.5
80-54-6	Lilial	Weak	1B	sensitizer	4.630	sensitizer	positive	0.2	6.6	0.0	0.0
78-70-6	Linalool	Weak	1B	sensitizer	3.910	sensitizer	positive	0.2	3.1	0.7	10.7
31906-04-4	Lyrall	Weak	1B	sensitizer	1.950	sensitizer	positive	2	1.0	0.2	0.1
80-62-6	Methylmethacrylate	Weak	1B	non-sensitizer		non-sensitizer	SNBC	2		15.0	
613-29-6	N,N-Dibutylaniline	Weak	1B	sensitizer	4.880	sensitizer	positive	0.2	1.7	0.0	0.0
112-05-0	Nonanoic acid	Weak	1B	sensitizer	98.770	sensitizer	positive	0.2	6.3	0.3	8.9
144-62-7	Oxalic acid	Weak	1B	sensitizer	78.040	sensitizer	positive	4.0	52.0	4.0	52.0
61-33-6	Penicillin G	Weak	1B	non-sensitizer		non-sensitizer	negative	4.0		4.0	
87-86-5	Pentachlorophenol	Weak	1B	sensitizer	15.630	sensitizer	positive	0.2	2.2	1.0	11.0
2050-14-8	Phenol, 2,2-azobis-	Weak	1B	sensitizer	0.490	sensitizer	positive	0.2	6.3	0.0	0.2
93-99-2	Phenyl benzoate	Weak	1B	sensitizer	49.380	non-sensitizer	SNBC	0.2		0.0	
110-86-1	Pyridine	Weak	1B	non-sensitizer		non-sensitizer	negative	4.0		4.0	
1330-20-7	Xylene	Weak	1B	non-sensitizer		non-sensitizer	SNBC	2		0.1	
127-51-5	α-iso-Methylionone	Weak	1B	sensitizer	43.900	sensitizer	positive	0.2	8.8	0.0	0.1
109-65-9	1-Bromobutane	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		0.4	
71-36-3	1-Butanol	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
874-23-7	2-Acetylcyclohexanone	Non-sensitizer	Non	sensitizer	98.770	sensitizer	positive	2	0.0	6.0	46.9
923-26-2	2-Hydroxypropyl methacrylate	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
611-06-3	2,4-Dichloro-1-nitrobenzene	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		0.2	
99-96-7	4-Hydroxybenzoic acid	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	2		14.5	
92-48-8	6-Methylcoumarin	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		1.2	
100-06-1	Acetoanisole(4-Methoxyacetophenone)	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		2.5	
8001-54-5	Benzalkonium chloride	Non-sensitizer	Non	sensitizer	1.030	OAD	OAD	4.0	1.5	4.0	0.0
68-85-0	Benzoic acid	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		2.5	
100-51-6	Benzyl alcohol	Non-sensitizer	Non	non-sensitizer		sensitizer	positive	4.0	1333.3	4.0	1333.3
108-90-7	Chlorobenzene	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	2		0.4	
9004-54-0	Dextran	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
84-66-2	Diethyl phthalate	Non-sensitizer	Non	sensitizer	65.840	sensitizer	positive	0.2	19.8	0.3	28.4
68-12-2	Dimethyl formamide	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
1459-93-4	Dimethyl isophthalate	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		0.3	
94-02-0	Ethyl benzoylacetate	Non-sensitizer	Non	sensitizer	65.840	non-sensitizer	SNBC	0.2		1.2	
121-362-4	Ethyl vanillin	Non-sensitizer	Non	sensitizer	222.200	sensitizer	positive	0.2	1.6	2.9	22.4
492-94-4	Furil	Non-sensitizer	Non	sensitizer	27.780	non-sensitizer	SNBC	0.2		4.3	
56-81-5	Glycerol	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
57-09-0	Hexadecyltrimethylammonium bromide	Non-sensitizer	Non	sensitizer	0.810	OAD	OAD	4.0	0.5	4.0	0.5
67-63-0	Isopropanol	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
50-21-5	Lactic acid	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
119-36-8	Methyl salicylate	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		1.9	
124-07-2	Octanoic acid(Caprylic acid)	Non-sensitizer	Non	non-sensitizer		OAD	OAD	0.2	19.8	0.5	49.0
150-13-0	p-Aminobenzoic acid	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	2		6.1	
94-13-3	Propyl paraben	Non-sensitizer	Non	non-sensitizer		sensitizer	positive	0.2	50.0	0.5	132.3
57-55-6	Propylene glycol	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
81-07-2	Saccharin	Non-sensitizer	Non	non-sensitizer		sensitizer	positive	2	444.4	0.8	175.4
69-72-7	Salicylic acid	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	0.2		3.8	
151-21-3	Sodium lauryl sulfate	Non-sensitizer	Non	sensitizer	32.920	OAD	OAD	4.0	9.8	4.0	9.8
3810-74-0	Streptomycin sulphate	Non-sensitizer	Non	non-sensitizer		non-sensitizer	negative	4.0		4.0	
63-74-1	Sulfanilamide	Non-sensitizer	Non	non-sensitizer		non-sensitizer	SNBC	2		7.5	
9005-65-6	Tween-80	Non-sensitizer	Non	sensitizer	117.060	OAD	OAD	4.0	117.1	4.0	117.1
121-33-5	Vanillin	Non-sensitizer	Non	sensitizer	62.500	sensitizer	positive	2	17.3	6.9	59.6
7733-02-0	Zinc sulphate	Non-sensitizer	Non	sensitizer	125.000	sensitizer	positive	2	3.7	77.5	36.6

※1: the concentration of stock solution that were not dissolved at 20 mg/mL was calculated based on measured solubility.

※2: the concentration of stock solution that were not dissolved at 20 mg/mL was calculated based on EPISuite™ water solubility.

OAD: Out of Applicability Domain, SNBC: Should Not be Considered