



91	Xylene	Aromatics	1330-20-7	Wako	Liquid	0.86-0.88	3.14	7	NC	II	9	g	2018/4/3	1.8e	27	110	0.09	9.0	I
92	1,9-Decadiene	Alkenes	1647-16-1	Sigma-Aldrich	Liquid	0.76	4.28	7	NC	IV	2	g	2018/4/3	1.8e	28	>180	-0.03	0.0	NI
93	EDTA, di-potassium	Amines	25102-12-9	Sigma-Aldrich	Solid	-	-	5	NC	-	10.3	i	2018/4/3	1.8e	28	0	0.48	72.0	I
94	3-Glycidioxypropyltrimethoxysilane	Organosilicon compounds	2530-83-8	Sigma-Aldrich	Liquid	1.07	0.42	7	NC	-	2	i	2018/3/9	1.8e	28	0	0.21	21.0	I
95	iso-Octyl acrylate	Acrylates	29590-42-9	Sigma-Aldrich	Liquid	0.88	4.61	7	NC	IV	0.7	g	2018/4/3	1.8e	28	>180	-0.05	0.0	NI
96	Edhyl trimethyl acetate	Esters	3938-95-2	Sigma-Aldrich	Liquid	0.86	2.38	7	NC	III	3.8	g	2018/3/9	1.8e	27	80	0.11	14.0	I
97	2,2-Dimethyl-3-pentanol	Fatty alcohols	3970-62-5	Sigma-Aldrich	Liquid	0.83	2.27	7	NC	III	8.3	g	2018/3/9	1.8e	27	0	0.41	74.0	I
98	Betaine monohydrate	Amino acids	590-47-6	Sigma-Aldrich	Solid	-	-5.02	7	NC	-	5.3	i	2018/3/9	1.8e	27	0	0.40	32.0	I
99	Polyoxyethylene hydrogenated castorol (60E.O.)	Alkoxylated alcohols, Polymeric ethers	61788-85-0	Wako	Liquid	1.02	-	7	NC	IV	0 <sup>f</sup>	h	2014/1/21	1.4e	26	>180	-0.01	0.0	NI
100	Dimethyl sulfoxide	Thioethers	67-68-5	Sigma-Aldrich	Liquid	1.10	-1.35	7	NC	III	7.3	i	2014/1/21	1.4e	26	>180	-0.11	0.0	NI
101	Petroleum ether	Hydrocarbons	8032-32-4	Sigma-Aldrich	Liquid	0.64	-	7	NC	-	2	i	2018/3/20	1.8e	28	>180	-0.03	0.0	NI
102	Tween80	Surfactants (nonionic)	9005-65-6	Sigma-Aldrich	Liquid	1.06-1.09	6.12	7	NC	IV	0 <sup>f</sup>	i	2014/1/21	1.4e	26	>180	-0.02	0.0	NI
103	1,2,4-Trimethylbenzene	Hydrocarbons	95-63-6	Sigma-Aldrich	Liquid	0.88	3.63	7	NC	-	4.7	i	2014/1/21	1.4e	26	>180	-0.01	0.0	NI
104	1,2,3-Trichloropropane	Hydrocarbons	96-18-4	Sigma-Aldrich	Liquid	1.39	2.27	7	NC	III	8.7	g	2018/3/20	1.8e	28	110	0.52	36.0	I
105	1,3-Di-isopropylbenzene	Aromatics	99-62-7	Sigma-Aldrich	Liquid	0.86	4.35	7	NC	IV	2	g	2014/1/21	1.4e	26	>180	0.00	0.0	NI
106	2-(n-Dodecylthio) ethanol	Alcohol, Ether, Sulfur compound	1462-55-1	Frontier Scientific	Liquid	0.91	-	7	NC	IV	0	g	2015/3/10	1.8e	28	>180	0.00	0.0	NI
107	iso-Octylthioglycolate	Thiocompound, Ester	25103-09-7	Wako	Liquid	0.97	4.36	7	NC	IV	0.7	g	2015/3/10	1.8e	28	>180	0.00	0.0	NI
108	2,4-Difuronitrobenzene	Hydrocarbon (halogenated)	446-35-5	Wako	Liquid	1.46	-1.18	7	NC	III	4.7	g	2015/3/10	1.8e	28	60	0.11	15.6	I
109	Potassium tetrafluoroborate	Inorganic salt	14075-53-7	Sigma-Aldrich	Solid	2.51	-	7	NC	IV	0	g	2015/3/10	1.8e	28	0	0.40	19.9	I
110	Polyoxyethylene (13) (mono-, di, tri-) styrenated phenyl ether	Surfactants (nonionic)	10436-75-2	KAO	Liquid	1.12	-	7	NC	-	-	-	2018/5/29	1.8e	27	>180	-0.05	0.0	NI
111	Polyethylene (14) tribenzylated phenyl ether	Surfactants (nonionic)	16998-28-8	KAO	Liquid	1.13	-	7	NC	-	-	-	2018/5/29	1.8e	27	>180	-0.10	0.0	NI
112	Polyoxyethylene (160) sorbitan triostearate	Surfactants (nonionic)	54392-28-8	KAO	Liquid	1.07	-	7	NC	-	-	-	2018/5/29	1.8e	28	>180	-0.06	0.0	NI
113	iso-Propyl myristate	Carboxylic acid ester	110-27-0	Sigma-Aldrich	Liquid	0.85	7.71	7	NC	-	-	-	2018/5/29	1.8e	28	>180	-0.06	0.0	NI
114	Polyoxyethylene 23 lauryl ether (10%)	Surfactants (nonionic)	9002-92-0	Sigma-Aldrich	Liquid	1.02	3.54	7	NC	-	-	-	2018/6/5	1.8e	29	>180	-0.04	0.0	NI

Note -, unknown; I, GHS Category 1; 2, GHS Category 2; 2A, GHS Category 2A; 2B, GHS Category 2B; NC, not classified (United Nations, 2013); I, EPA Category I; II, EPA Category II; III, EPA Category III; IV, EPA Category IV (EPA, 1998);

<sup>a</sup>, Test was conducted in accordance with the description as previously reported in "Toxicol. Sci. 135(2): 347-355, 2013".

<sup>b</sup> pH of 2.5(w/v)% test chemical solution

<sup>c</sup> United Nations, 2013. Globally Harmonized System of Classification and Labeling of Chemicals (GHS), Fifth revised edition. New York and Geneva (ST/SG/AC.10/30/Rev.5).

<sup>d</sup> EPA, 1998. Health Effects Test Guidelines OPPTS 870.2400 Acute Eye Irritation. United States Environmental Protection Agency, Washington, DC. <http://www.regulations.gov/#/documentDetail;D=EPA-HQ-OPPT-2009-0156-0006> [19 June 2015]

<sup>e</sup> These scores were calculated from the average time-dependent profile of TEER values in three-independent experiments

<sup>f</sup> I, irritant; NI, non-irritant

<sup>g</sup> Data from 10% exposure condition.

<sup>h</sup> European Centre for Ecotoxicology and Toxicology of Chemicals (ECETOC).1998. Eye irritation: reference chemicals data bank (Second Edition), ECETOC technical report No. 48. ECETOC, Brussels, Belgium.

<sup>i</sup> Ohno Y, et al. 1999. Interlaboratory validation of the in vitro eye irritation tests for cosmetic ingredients. (1) Overview of the validation study and Draize scores for the evaluation of the tests. Toxicol. in Vitro 13, 73-98.

<sup>j</sup> Takahashi Y, et al. 2011. The Short Time Exposure (STE) test for predicting eye irritation potential: Intra-laboratory reproducibility and correspondence to globally harmonized system (GHS) and EU eye irritation classification for 109 chemicals. Toxicol. in Vitro 25, 1425-1434.