

Appendix C

***In Vitro* Data for Substances Tested in the ICE Assay**

C1	ICE Data Sorted by Reference	C-3
C2	ICE Data Sorted by Substance Name	C-11

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Appendix C1

ICE Data Sorted by Reference

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Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	1	1.4	0.4	9.6	2B		III		NI		Balls et al. (1995)
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	2	1	1.7	49	2A	2A	II		R36	R36	Balls et al. (1995)
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	3	1.83	1.17	7.64	2B	2A	III		R36		Balls et al. (1995)
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	4	3	1	13.8	2A	2A	II		R36		Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	1	1.2	0.9	6.7	2B		III		NI		Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	2	2	1.3	42	2A	2B	II		R36	NI	Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	3	1.33	1.5	12.33	2B		III		NI		Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	4	2	0.5	6	2B		III		NI		Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	1	1	0.7	3.2	2B		III		NI		Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	2	2	2	56	2A	2A	II		R36	R36	Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	3	1.83	1.67	14.67	2A		II		R36		Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	4	2	1	10	2B		III		R36		Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	1	1.8	0.6	18	2A/2B	2A	II/III		R36		Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	2	1.3	2.3	47	2A		II		R36	R36	Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	3	2.67	1.5	12.66	2A		II		R36		Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	4	2	3	8.8	2A		II		R36		Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	1	3	3	37.7	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	2	3	2.3	95	1		I		R41	R41	Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	3	3	2.33	40.72	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	4	3	2	41.1	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	1	3	2.6	36.3	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	2	1	2	42	2A		II		R36	R41	Balls et al. (1995)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	3	3	2	33.77	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	4	3	3	68.9	1		I		R41		Balls et al. (1995)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	1	1.8	1.8	13.9	2A		II		R36		Balls et al. (1995)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	2	0.5	2.7	42	1		I		R41		Balls et al. (1995)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	3	1	2	14.67	2A/2B	2A	II/III		R36	R36	Balls et al. (1995)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	4	1	2	32.2	2A		II		R36		Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	1	2.6	1.4	15.8	2A		II		R36		Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	2	1.3	2	47	2A		II		R36		Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	3	1.67	1.5	13.1	2A/2B	2A	II/III		R36		Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	4	1	2	13	2A/2B		II/III		R36		Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	1	0	0.4	1.7	NI		IV		NI		Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	2	0.2	1	27	2B		III		NI/R36	NI	Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	3	0	1.33	19.17	2B		III		NI		Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	4	1	1	20	2B		III		R36		Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	1	1	0.5	5.4	NI		IV		NI		Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	2	1.3	3	89	1		I		R41		Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	3	0.67	0.5	-1.4	NI		IV		NI		Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	4	2	1	12.7	2A/2B		II/III		R36		Balls et al. (1995)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	SF	0.1%	98%	Sigma	1	1	0	2.2	NI		IV		NI		Balls et al. (1995)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	SF	0.1%	98%	Sigma	2	0.7	0	21	2B		III		NI		Balls et al. (1995)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	SF	0.1%	98%	Sigma	3	0.67	1	10.29	2B		III		NI		Balls et al. (1995)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	SF	0.1%	98%	Sigma	4	1	1	14.6	2B		III		NI/R36		Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	SF	10%	98%	Sigma	1	2.6	1	25.8	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	SF	10%	98%	Sigma	2	1.7	2	41	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	SF	10%	98%	Sigma	3	2	1.67	27.2	2A		II		R36	R36	Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	SF	10%	98%	Sigma	4	3	3	17.8	1		I		R41		Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	SF	6%	98%	Sigma	1	2	1.2	27.2	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	SF	6%	98%	Sigma	2	2	0.5	49	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	SF	6%	98%	Sigma	3	3	1.83	24.55	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	SF	6%	98%	Sigma	4	2.7	1.7	13.5	2A		II		R36		Balls et al. (1995)
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	1	3	4	32	1		I		R41		Balls et al. (1995)
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	2	3	4	150	1		I		R41	R41	Balls et al. (1995)
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	3	3	3	53.13	1		I		R41		Balls et al. (1995)
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	4	3	4	-	1		I		R41		Balls et al. (1995)
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	1	2.2	2.2	24.7	2A		II		R36		Balls et al. (1995)
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	2	3	2	103	1		I		R41	R41	Balls et al. (1995)
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	3	3	2.5	35.74	1		I		R41		Balls et al. (1995)
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	4	3	2.5	45.3	1		I		R41		Balls et al. (1995)
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	1	2.8	3	12.8	1		I		R41		Balls et al. (1995)
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	2	1	2.7	75	1		I		R41		Balls et al. (1995)
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	3	2	1.5	6.36	2B		III		R36	R41	Balls et al. (1995)
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	4	1	2	6.7	2B		III		R36		Balls et al. (1995)

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Dibenzyl phosphate	1623-08-1	solid	I*	neat	99%	Aldrich	1	2.6	2	12.2	2A	2A/2B	II	II/III	R36	R36	Balls et al. (1995)
Dibenzyl phosphate	1623-08-1	solid	I*	neat	99%	Aldrich	2	1	0	22	2B		III		R36		Balls et al. (1995)
Dibenzyl phosphate	1623-08-1	solid	I*	neat	99%	Aldrich	3	2	1.5	17.07	2A/2B		II/III		R36		Balls et al. (1995)
Dibenzyl phosphate	1623-08-1	solid	I*	neat	99%	Aldrich	4	2	2	40.9	1		I		R36	Balls et al. (1995)	
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	1	2.3	0.8	12.7	2A/2B	2A	II/III	II	R36	R36	Balls et al. (1995)
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	2	2	1.3	26	2A		II		R36		Balls et al. (1995)
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	3	1.83	1.67	17.15	2A		II		R36		Balls et al. (1995)
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	4	1.8	0.8	16.8	2A/2B		II/III		R36	Balls et al. (1995)	
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	1	3	2.4	43.8	1	1	I	I	R41	R41	Balls et al. (1995)
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	2	3	2.7	74	1		I		R41		Balls et al. (1995)
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	3	3	2.5	35.9	1		I		R41		Balls et al. (1995)
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	4	3	3	62.7	1		I		R41	Balls et al. (1995)	
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	1	2	1	11.9	2B	2B	III	III	R36	R36	Balls et al. (1995)
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	2	3	3	64	1		I		R41		Balls et al. (1995)
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	3	1.33	1.67	11.57	2B		III		R36		Balls et al. (1995)
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	4	2	1	6.7	2B		III		R36	Balls et al. (1995)	
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	1	2.8	2.8	30.7	1	1	I	I	R41	R41	Balls et al. (1995)
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	2	2	3	74	1		I		R41		Balls et al. (1995)
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	3	2.5	2.33	35.88	2A		II		R36		Balls et al. (1995)
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	4	2	2.3	34.6	2A		II		R36	Balls et al. (1995)	
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	1	2	2	22	2A	2A	II	II	R36	R36	Balls et al. (1995)
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	2	1.7	2.3	76	2A		II		R36		Balls et al. (1995)
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	3	2	2	25.08	2A		II		R36		Balls et al. (1995)
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	4	3	2	23	2A		II		R36	Balls et al. (1995)	
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	1	2	2.2	43	2A	2A	II	II	R36	R36	Balls et al. (1995)
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	2	1	2.3	62	2A		II		R36		Balls et al. (1995)
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	3	3	1.5	13.31	2A		II		R36		Balls et al. (1995)
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	4	1	2	52.4	2A		II		R36	Balls et al. (1995)	
Ethyl-2-methylacetoacetate	609-14-3	liquid	S*	undiluted	97%	Fluka	1	0.4	0.3	-2.8	NI	2B	IV	III	NI	NI	Balls et al. (1995)
Ethyl-2-methylacetoacetate	609-14-3	liquid	S*	undiluted	97%	Fluka	2	1	0	7	2B		III		NI		Balls et al. (1995)
Ethyl-2-methylacetoacetate	609-14-3	liquid	S*	undiluted	97%	Fluka	3	0.67	1	11.52	2B		III		NI		Balls et al. (1995)
Ethyl-2-methylacetoacetate	609-14-3	liquid	S*	undiluted	97%	Fluka	4	1	0.5	4.5	NI		IV		NI	Balls et al. (1995)	
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	1	1.2	0.4	7.2	2B	2B	III	III	NI	NI	Balls et al. (1995)
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	2	2	2	31	2A		II		R36		Balls et al. (1995)
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	3	0	0	1.44	NI		IV		NI		Balls et al. (1995)
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	4	1	0.5	6.7	2B		III		NI	Balls et al. (1995)	
Fomesafen	72128-02-0	solid	S	neat	97.5%	EPA	1	0.9	1.2	5.3	2B	2B	III	III	NI	NI	Balls et al. (1995)
Fomesafen	72128-02-0	solid	S	neat	97.5%	EPA	2	0	0.2	11	NI		IV		NI		Balls et al. (1995)
Fomesafen	72128-02-0	solid	S	neat	97.5%	EPA	3	1	0.5	2.82	NI		IV		NI		Balls et al. (1995)
Fomesafen	72128-02-0	solid	S	neat	97.5%	EPA	4	1	1	4.3	2B		III		NI	Balls et al. (1995)	
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	1	1.2	1	5	2B	2B	III	III	NI	NI	Balls et al. (1995)
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	2	0	0	11	NI		IV		NI		Balls et al. (1995)
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	3	1.17	1	8.3	2B		III		NI		Balls et al. (1995)
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	4	2	0.5	29.4	2A		II		R36	Balls et al. (1995)	
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	1	2.8	1.6	17.4	2A	1	II	I	R36	R41	Balls et al. (1995)
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	2	0.2	1.7	82	2A		II		R36		Balls et al. (1995)
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	3	3	2.83	28.89	1		I		R41		Balls et al. (1995)
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	4	3	3	58.9	1		I		R41	Balls et al. (1995)	
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	1	3	4	40.3	1	1	I	I	R41	R41	Balls et al. (1995)
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	2	3	3	224	1		I		R41		Balls et al. (1995)
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	3	3	2.5	36.96	1		I		R41		Balls et al. (1995)
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	4	3	3	97.8	1		I		R41	Balls et al. (1995)	
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	1	2.8	2.5	46.4	1	1	I	I	R41	R41	Balls et al. (1995)
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	2	3	2.7	93	1		I		R41		Balls et al. (1995)
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	3	3	2.5	37.06	1		I		R41		Balls et al. (1995)
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	4	3	2	69.2	1		I		R41	Balls et al. (1995)	
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	1	2	1.6	23.3	2A	1	II	I	R36	R41	Balls et al. (1995)
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	2	0.7	2.7	72	1		I		R41		Balls et al. (1995)
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	3	3	2.5	37.84	1		I		R41		Balls et al. (1995)
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	4	2.3	0.5	8.9	2B		III		NI	Balls et al. (1995)	
Maneb	12427-38-2	solid	S	neat	90%	EPA	1	0	0.5	2.8	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Maneb	12427-38-2	solid	S	neat	90%	EPA	2	1	2	33	2A		II		R36		Balls et al. (1995)
Maneb	12427-38-2	solid	S	neat	90%	EPA	3	0	0.5	8.03	NI		IV		NI		Balls et al. (1995)
Maneb	12427-38-2	solid	S	neat	90%	EPA	4	1	1	6.7	2B		III		NI	Balls et al. (1995)	

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	1	1.4	2.4	20.3	2A		II		R36		Balls et al. (1995)
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	2	1	2.7	93	1	I	I	I	R41	R41	Balls et al. (1995)
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	3	2	2	22.5	2A		II		R36		Balls et al. (1995)
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	4	3	3	17.5	1		I		R41		Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	1	0.4	0.3	4.5	NI		IV		NI		Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	2	0.5	0.7	44	2A		II	IV	R36	NI	Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	3	0.17	0.5	4.93	NI		IV		NI		Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	4	1	1	10.7	2B		III		NI		Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	1	0.4	0.5	2.3	NI		IV		NI		Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	2	1	0	22	2B		III	IV	NI	NI	Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	3	0	0.5	5.83	NI		IV		NI		Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	4	1	0.5	0	NI		IV		NI		Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	1	2	2.2	23.1	2A		II		R36		Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	2	2.7	3	99	1		I	I	R41	R41	Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	3	3	2.33	34.88	1		I		R41		Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	4	3	2	12.6	2A		II		R36		Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	1	2.6	2	26.5	2A		II		R36		Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	2	3	3	64	1		I		R41		Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	3	2	2.17	21.69	2A	2A	II	II	R36	R36	Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	4	2	2	12.3	2A		II		R36		Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	1	1	0.9	5.6	2B		III		NI		Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	2	1	1	24	2B		III	III	R36	R36	Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	3	2	1	8.86	2B		III		R36		Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	4	1	1	46.7	2A		II		R36		Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	1	3	3	46.6	1		I		R41		Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	2	3	2.7	122	1		I	I	R41	R41	Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	3	3	2.5	44.19	1		I		R41		Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	4	3	3	64.1	1		I		R41		Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	1	2	2.4	36.5	2A		II		R36		Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	2	1.3	2	108	2A	2A	II	II	R36	R36	Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	3	1.17	1.5	10.18	2B		III		NI		Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	4	2	1	25.7	2A		II		R36		Balls et al. (1995)
Paraffluoriline	371-40-4	liquid	I	undiluted	99%	Aldrich	1	3	2.2	35.3	1		I		R41		Balls et al. (1995)
Paraffluoriline	371-40-4	liquid	I	undiluted	99%	Aldrich	2	3	2	79	1		I	I	R41	R41	Balls et al. (1995)
Paraffluoriline	371-40-4	liquid	I	undiluted	99%	Aldrich	3	3	2	33.44	1		I		R41		Balls et al. (1995)
Paraffluoriline	371-40-4	liquid	I	undiluted	99%	Aldrich	4	3	2	38.5	1		I		R41		Balls et al. (1995)
Polyethylene glycol 400	25322-68-3	liquid	SF	undiluted	n.p.	Aldrich	1	1.4	1	9.8	2B		III		NI		Balls et al. (1995)
Polyethylene glycol 400	25322-68-3	liquid	SF	undiluted	n.p.	Aldrich	2	0.2	0	26	NI		IV		NI		Balls et al. (1995)
Polyethylene glycol 400	25322-68-3	liquid	SF	undiluted	n.p.	Aldrich	3	2	1	5.88	2B		III	III	R36	R36	Balls et al. (1995)
Polyethylene glycol 400	25322-68-3	liquid	SF	undiluted	n.p.	Aldrich	4	1	0.5	14.8	2B		III		R36		Balls et al. (1995)
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	1	1	0.7	8	2B		III		NI		Balls et al. (1995)
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	2	0.2	0	25	2B		III		NI		Balls et al. (1995)
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	3	1.67	1	10.45	2B		III	III	R36	R36	Balls et al. (1995)
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	4	1.3	1.7	25.3	2A		II		R36		Balls et al. (1995)
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	1	2.6	1.6	33	1		I		R41		Balls et al. (1995)
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	2	3	3	143	1		I		R41		Balls et al. (1995)
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	3	3	2	23.02	2A		II	I	R36	R41	Balls et al. (1995)
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	4	2	3	28.6	1/2A		I/II		R36/R41		Balls et al. (1995)
Pyridine	110-86-1	liquid	S	undiluted	>99.99%	Aldrich	1	3	2	32.7	1		I		R41		Balls et al. (1995)
Pyridine	110-86-1	liquid	S	undiluted	>99.99%	Aldrich	2	3	3	95	1		I		R41		Balls et al. (1995)
Pyridine	110-86-1	liquid	S	undiluted	>99.99%	Aldrich	3	3	2.5	37.47	1		I	I	R41	R41	Balls et al. (1995)
Pyridine	110-86-1	liquid	S	undiluted	>99.99%	Aldrich	4	3	3	78.6	1		I		R41		Balls et al. (1995)
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	1	1.2	0.6	4.1	2B		III		NI		Balls et al. (1995)
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	2	0.2	0.2	12	NI		IV	III	NI	NI	Balls et al. (1995)
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	3	2	2	11.49	2A		II		R36		Balls et al. (1995)
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	4	1	0.5	6.8	2B		III		NI		Balls et al. (1995)
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	1	1	0.6	14.1	2B		III		NI/R36		Balls et al. (1995)
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	2	0.7	2.3	55	2A		II	II	R36	R36	Balls et al. (1995)
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	3	2.33	2.5	30.31	2A		II		R36		Balls et al. (1995)
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	4	2	2	33.3	2A		II		R36		Balls et al. (1995)
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG ²	Fisher	1	3	4	32	1		I		R41		Balls et al. (1995)
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG	Fisher	2	3	3.3	194	1		I		R41		Balls et al. (1995)
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG	Fisher	3	3	3.17	68.86	1		I	I	R41	R41	Balls et al. (1995)
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG	Fisher	4	3	4	151.7	1		I		R41		Balls et al. (1995)

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference		
Sodium lauryl sulfate (15%)	151-21-3	liquid	SF	15%	98%	Sigma	1	0.6	0.4	7	2B	2B	III	III	NI	R36	Balls et al. (1995)		
Sodium lauryl sulfate (15%)	151-21-3	liquid	SF	15%	98%	Sigma	2	1	0.2	33	2A		II		R36		Balls et al. (1995)		
Sodium lauryl sulfate (15%)	151-21-3	liquid	SF	15%	98%	Sigma	3	1.67	1	9.56	2B		III		R36		Balls et al. (1995)		
Sodium lauryl sulfate (15%)	151-21-3	liquid	SF	15%	98%	Sigma	4	1	1	12.2	2B	2B	III	III	NI	NI	Balls et al. (1995)		
Sodium lauryl sulfate (3%)	151-21-3	liquid	SF	3%	98%	Sigma	1	1	0.2	3.9	NI		IV		NI		Balls et al. (1995)		
Sodium lauryl sulfate (3%)	151-21-3	liquid	SF	3%	98%	Sigma	2	0	0	39	2B		III		R36		NI	Balls et al. (1995)	
Sodium lauryl sulfate (3%)	151-21-3	liquid	SF	3%	98%	Sigma	3	1	0	2.75	NI	2B	IV	III	NI	NI	Balls et al. (1995)		
Sodium lauryl sulfate (3%)	151-21-3	liquid	SF	3%	98%	Sigma	4	1	1	15.9	2B		III		NI		Balls et al. (1995)		
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	1	0.7	0.7	6.3	2B		III		NI		NI	Balls et al. (1995)	
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	2	0.2	0	24	2B	2B	III	III	NI	NI	Balls et al. (1995)		
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	3	0.5	0.5	2.62	NI		IV		NI		NI	Balls et al. (1995)	
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	4	1	0	2.4	NI		IV		NI		NI	Balls et al. (1995)	
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	1	0.6	0.5	3.1	NI	2B	IV	III	NI	NI	Balls et al. (1995)		
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	2	0.2	0.7	23	2B		III		NI		NI	Balls et al. (1995)	
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	3	1.33	1	7.54	2B		III		NI		NI	NI	Balls et al. (1995)
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	4	1	0.5	14.6	2B	2B	III	III	NI	NI	Balls et al. (1995)		
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	1	1.3	1	7.5	2B		III		NI		NI	NI	Balls et al. (1995)
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	2	1	2	31	2A		II		R36		NI	Balls et al. (1995)	
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	3	1.5	1.5	7.3	2B	2B	III	III	NI	NI	Balls et al. (1995)		
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	4	1	1	8.9	2B		III		NI		NI	Balls et al. (1995)	
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	2	1.4	1	5.2	2B		III		NI		NI	NI	Balls et al. (1995)
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	3	2	1.3	29	2A	2A	II	II	R36	R36	Balls et al. (1995)		
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	4	1.33	2	13.87	2A/2B		II/III		R36		NI	Balls et al. (1995)	
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	1	1	2	58.2	2A		II		R36		NI	Balls et al. (1995)	
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	2	2.4	1.2	13.2	2A/2B	2A	II/III	II	R36	R36	Balls et al. (1995)		
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	3	2.3	2	38	2A		II		R36		NI	Balls et al. (1995)	
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	4	1.5	2.5	27.88	2A		II		R36		NI	Balls et al. (1995)	
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	1	1.7	2	26.4	2A	1	II	I	R36	R41	Balls et al. (1995)		
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	2	3	4	32	1		I		R41		NI	Balls et al. (1995)	
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	3	3	4	153	1		I		R41		NI	Balls et al. (1995)	
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	4	*	4	*	*	1	*	I	*	R41	Balls et al. (1995)		
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	1	3	4	*	1		I		R41		NI	Balls et al. (1995)	
Triton X-100 (10%)	9002-93-1	liquid	SF	10%	98%	Sigma	2	1.4	0.1	9.9	2B		III		NI		NI	NI	Balls et al. (1995)
Triton X-100 (10%)	9002-93-1	liquid	SF	10%	98%	Sigma	3	1	0.8	29	2A/2B	2A/2B	II/III	II/III	R36	R36	Balls et al. (1995)		
Triton X-100 (10%)	9002-93-1	liquid	SF	10%	98%	Sigma	4	2.67	1.17	20.2	2A		II		R36		NI	Balls et al. (1995)	
Triton X-100 (10%)	9002-93-1	liquid	SF	10%	98%	Sigma	1	1.7	1	11.2	2B		III		R36		NI	Balls et al. (1995)	
Triton X-100 (5%)	9002-93-1	liquid	SF	5%	98%	Sigma	2	1	0.6	9.8	2B	2A	III	II	NI	R36	Balls et al. (1995)		
Triton X-100 (5%)	9002-93-1	liquid	SF	5%	98%	Sigma	3	1.3	0	38	2A		II		R36		NI	Balls et al. (1995)	
Triton X-100 (5%)	9002-93-1	liquid	SF	5%	98%	Sigma	4	2	0	3.97	2B		III		NI		NI	Balls et al. (1995)	
Triton X-100 (5%)	9002-93-1	liquid	SF	5%	98%	Sigma	1	1	2	39.6	2A	2B	II	III	R36	NI	Balls et al. (1995)		
Tween 20	9005-64-5	liquid	SF	undiluted	98%	Sigma	2	1	1	3.6	2B		III		NI		NI	NI	Balls et al. (1995)
Tween 20	9005-64-5	liquid	SF	undiluted	98%	Sigma	3	0.2	0	31	2B		III		NI		NI	NI	Balls et al. (1995)
Tween 20	9005-64-5	liquid	SF	undiluted	98%	Sigma	4	2.5	1	5.63	2B	2B	III	III	NI/R36	NI	Balls et al. (1995)		
Tween 20	9005-64-5	liquid	SF	undiluted	98%	Sigma	1	1	0.5	6.7	2B		III		R36		NI	Balls et al. (1995)	
TNO-01 (Formulation-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI		NI		IV		IV	NI	NI
TNO-02 (Formulation-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2.7	2	24	2A	2A	II	II	R36	R36	Prinsen (1996)		
TNO-03 (Pesticide-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.6	0.3	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-04 (Detergent-1) ¹⁰	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.5	1.5	9	2B	2B	III	III	NI	NI	Prinsen (1996)		
TNO-05 (Silicone powder-1)	n.p.	solid	I	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-06 (Lubricant)	n.p.	gel	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-07 (Ink-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.8	0	2	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-08 (Ink-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.1	0	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-09 (Paint)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.3	0.5	5	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-10 (Silicone powder-2)	n.p.	solid	I	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-11 (Sodium p-styrene sulfonate)	2695-37-6	solid	n.p.	undiluted	n.p.	n.p.	-	2	1.3	19	2A	2A	II	II	R36	R36	Prinsen (1996)		
TNO-12 (Formulation-3)	n.p.	paste	n.p.	undiluted	n.p.	n.p.	-	2.5	2	35	2A	2A	II	II	R36	R36	Prinsen (1996)		
TNO-13 (Pesticide-2)	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.7	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-14 (Polysaccharide)	n.p.	liquid	n.p.	14.5%	n.p.	n.p.	-	0.3	0	2	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-15 (Polysaccharide)	n.p.	liquid	n.p.	50%	n.p.	n.p.	-	0	0	2	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-16 (Liquid nylon product)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-17 (Solvent-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.3	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-18 (Solvent-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-19 (Solvent-3)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-20 (Solvent-4)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.5	0.3	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)		
TNO-21 (Solvent-5)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.3	0.3	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)		

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
TNO-22 (Solvent-6)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0.3	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-23 (Solvent-7)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0	2	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-24 (Solvent-8)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-25 (Solvent-9)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-26 (Ink-3)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.1	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-27 (Thermal paper coating-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.6	9	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-28 (Toilet cleaner-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.4	0.8	12	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-29 (Toilet cleaner-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.3	1	11	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-30 (Pesticide-3)	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1.5	1	7	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-31 (Sulfur)	7704-34-9	solid	I	undiluted	n.p.	n.p.	-	0.2	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-32 (Ink-4)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	7	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-33 (Thermal paper coating-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2	0.5	5	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-34 (Detergent-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	1	25	1	1	I	I	R41	R41	Prinsen (1996)
TNO-35 (Propyl-lactate)	616-09-1	liquid	S	undiluted	n.p.	n.p.	-	3	3	45	1	1	I	I	R41	R41	Prinsen (1996)
TNO-36 (Ethylhexyl lactate)	6283-86-9	liquid	n.p.	undiluted	n.p.	n.p.	-	2	2	18	2A	2A	II	II	R36	R36	Prinsen (1996)
TNO-37 (Pesticide-4)	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1.5	1	15	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-38 (Solvent-10)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-39 (Detergent-3)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.5	0.5	4	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-40 (Glycolbromoacetate form.)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2.6	1.9	41	1	I	I	I	R41	R41	Prinsen (1996)
TNO-41 (Amidosulfonic acid)	5329-14-6	solid	n.p.	undiluted	n.p.	n.p.	-	2.7	4	46	1	1	I	I	R41	R41	Prinsen (1996)
TNO-42 (Glycolbromoacetate)	3785-34-0	liquid	n.p.	85%	n.p.	n.p.	-	3	3	36	1	1	I	I	R41	R41	Prinsen (1996)
TNO-43 (Monobromoacetic acid)	79-08-3	solid	S	undiluted	n.p.	n.p.	-	3	4	80	1	1	I	I	R41	R41	Prinsen (1996)
TNO-44 (Didecylidimethylammoniumchloride (23% in propyl glycol))	7173-51-5	liquid	n.p.	23%	n.p.	n.p.	-	3	3.5	39	1	1	I	I	R41	R41	Prinsen (1996)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	2.0	2.0	22	1	1	I	I	R41	R41	Prinsen (2000)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.8	1.7	21	1	1	I	I	R41	R41	Prinsen (2000)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	2.0	2.0	21	1	1	I	I	R41	R41	Prinsen (2000)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.7	1.7	18	1	1	I	I	R41	R41	Prinsen (2000)
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	1.8	2.5	14	2A	2A	II	II	R36	R36	Prinsen (2000)
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	1.7	2.0	13	2A	2A	II	II	R36	R36	Prinsen (2000)
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	2.0	2.3	17	2A	2A	II	II	R36	R36	Prinsen (2000)
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	2.0	2.3	14	2A	2A	II	II	R36	R36	Prinsen (2000)
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	2.0	2.0	13	2A	2A	II	II	R36	R36	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.3	0.3	1	NI	NI	NI	NI	NI	NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.3	0.3	1	NI	NI	NI	NI	NI	NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.0	0.5	2	NI	NI	NI	NI	NI	NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.0	0.0	0	NI	NI	NI	NI	NI	NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.0	0.0	2	NI	NI	NI	NI	NI	NI	Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	14	2B	2B	III	III	NI	NI	Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	14	2B	2B	III	III	NI	NI	Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	13	2B	2B	III	III	NI	NI	Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.8	8	2B	2B	III	III	NI	NI	Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	11	2B	2B	III	III	NI	NI	Prinsen (2000)
TNO-45	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	5	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-46	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-47	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-48	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	3	1	25	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-49	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	3	4	-	1	1	I	I	R41	R41	Prinsen (2005)
TNO-50	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	3	3	41.1	1	1	I	I	R41	R41	Prinsen (2005)
TNO-51	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	3	3	33.9	1	1	I	I	R41	R41	Prinsen (2005)
TNO-52	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.7	1	5	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-53	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.5	0.2	3	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-54	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1	1	9	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-55	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.7	1.3	10	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-56	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2	1.3	10	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-57	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.5	1.3	12	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-58	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	-1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-59	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.2	0	-2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-60	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0.5	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-61	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
TNO-62	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2	1	12	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-63	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.3	0.5	3	NI	NI	IV	IV	NI	NI	Prinsen (2005)
TNO-64	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	1	1	5	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-65	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	0.7	0.5	4	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-66	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-67	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	1	6	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-68	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1/2	1	8	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-69	n.p.	liquid	n.p.	50%	n.p.	n.p.	-	1	0	0	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-70	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	2	1	20	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-71	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	1	0.5	13	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-72	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	1.5	0.5	5	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-73	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	2.7	2	18	1	1	1	1	R41	R41	Prinsen (2005)
TNO-74	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.5	0	0	NI	NI	IV	IV	NI	NI	Prinsen (2005)
TNO-75	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-76	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-77	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	7	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-78	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.3	1	15	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-79	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1	1	10	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-80	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.3	0	-1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-81	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-82	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	0	0	-2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-83	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	0.8	0.7	10	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-84	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	0.7	0.7	2	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-85	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	2	1.3	14	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-86	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	1	1	7	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-87	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.7	1	1	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-88	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.3	0.7	3	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-89	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.2	0.7	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-90	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-91	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0.2	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-92	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.8	1.7	16	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-93	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	3	2	17	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-94	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
1-Butanol	71-36-3	liquid	S	undiluted	99%	Aldrich	-	2.9	2	54	1	1	1	1	R41	R41	Prinsen and Koeter (1993)
2-Butoxyethyl acetate	112-07-2	liquid	S	undiluted	99%	Aldrich	-	1	1	5	2B	2B	III	III	NI	NI	Prinsen and Koeter (1993)
2-Methoxyethanol	109-86-4	liquid	S	undiluted	99.9%	Aldrich	-	2	2	18	2A	2A	II	II	R36	R36	Prinsen and Koeter (1993)
Acetaldehyde	75-07-0	liquid	S	undiluted	99%	Aldrich	-	2	1.4	24	2A	2A	II	II	R36	R36	Prinsen and Koeter (1993)
Acetic acid	64-19-7	liquid	S	10%	99%	Aldrich	-	3	2.6	31	1	1	1	1	R41	R41	Prinsen and Koeter (1993)
Benzalkonium chloride (100%)	8001-54-5	liquid	S	undiluted	n.p.	Aldrich	-	3	3	40	1	1	1	1	R41	R41	Prinsen and Koeter (1993)
Brij 35	9002-92-0	liquid	S	undiluted	n.p.	Aldrich	-	0.9	0	5	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
Chloroform	67-66-3	liquid	I*	undiluted	99.8%	Aldrich	-	2.5	1	21	2A	2A	II	II	R36	R36	Prinsen and Koeter (1993)
Dibutyltin dichloride	683-18-1	solid	S	undiluted	97%	Aldrich	-	3	2.5	34	1	1	1	1	R41	R41	Prinsen and Koeter (1993)
Dimethyl sulfoxide	67-68-5	liquid	S	undiluted	99.9%	Aldrich	-	1	0.5	4	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
Glycerol	56-81-5	liquid	S	undiluted	99%	Aldrich	-	0.5	0.4	4	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
Mercury (II) chloride	7487-94-7	solid	I	undiluted	99.5%	Aldrich	-	2	3.1	55	1	1	1	1	R41	R41	Prinsen and Koeter (1993)
n-Hexane	110-54-3	liquid	I	undiluted	99%	Aldrich	-	0.5	0	1	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
Silver (I) nitrate	7761-88-8	solid	S	3%	99.5%	Aldrich	-	1	1	12	2B	2B	III	III	NI	NI	Prinsen and Koeter (1993)
Sodium dodecyl sulfate	151-21-3	solid	S	undiluted	70%	Aldrich	-	0.8	1	22	2B	2B	III	III	R41	R41	Prinsen and Koeter (1993)
Sodium fluorescein	518-47-8	liquid	S	20%	70% ²	Aldrich	-	0.1	0	0	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
Sodium hydroxide	1310-73-2	liquid	S	1%	97%	Aldrich	-	3	3	60	1	1	1	1	R41	R41	Prinsen and Koeter (1993)
Toluene	108-88-3	liquid	I*	undiluted	99.9%	Aldrich	-	1.1	1.4	4	2B	2B	III	III	NI	NI	Prinsen and Koeter (1993)
Triacetin	102-76-1	liquid	I*	undiluted	99%	Aldrich	-	0.5	0.4	4	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
Tributyltin chloride	1461-22-9	liquid	n.p.	undiluted	96%	Aldrich	-	3	2.5	48	1	1	1	1	R41	R41	Prinsen and Koeter (1993)
Triethanolamine	102-71-6	liquid	S	undiluted	99%	Aldrich	-	0.9	0.7	4	2B	2B	III	III	NI	NI	Prinsen and Koeter (1993)

¹S = Soluble: Sf = Surfactant: I = Insoluble: *solubility uncertain

²RG = Reagent grade

³Numbering for substances from this reference assigned based on order of appearance in Table 3 of Prinsen (1996)

⁴Dve content

n.p. = Not provided and not obtained

Appendix C2

ICE Data Sorted by Substance Name

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Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
Acetaldehyde	75-07-0	liquid	S	undiluted	99%	Aldrich	-	2	1.4	24	2A	2A	II	II	R36	R36	Prinsen and Koetter (1993)
Acetic acid	64-19-7	liquid	S	10%	99%	Aldrich	-	3	2.6	31	1	1	I	I	R41	R41	Prinsen and Koetter (1993)
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	1	1.4	0.4	9.6	2B	2A	III	II	NI	R36	Balls et al. (1995)
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	2	1	1.7	49	2A		II		R36		Balls et al. (1995)
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	3	1.83	1.17	7.64	2B		III		R36		Balls et al. (1995)
Acetone	67-64-1	liquid	S	undiluted	99%	Fisher	4	3	1	13.8	2A		II		R36		Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	1	1.2	0.9	6.7	2B	2B	III	III	NI	NI	Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	2	2	1.3	42	2A		II		R36		Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	3	1.33	1.5	12.33	2B		III		NI		Balls et al. (1995)
Ammonium nitrate	6484-52-2	solid	S	undiluted	>99.9%	Aldrich	4	2	0.5	6	2B		III		NI		Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	1	1	0.7	3.2	2B	2A	III	II	NI	R36	Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	2	2	2	56	2A		II		R36		Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	3	1.83	1.67	14.67	2A		II		R36		Balls et al. (1995)
L-Aspartic acid	70-47-3	solid	S	neat	100%	Degussa	4	2	1	10	2B		III		R36		Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	1	1.8	0.6	18	2A/2B	2A	II/III	II	R36	R36	Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	2	1.3	2.3	47	2A		II		R36		Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	3	2.67	1.5	12.66	2A		II		R36		Balls et al. (1995)
Benzalkonium chloride (1%)	8001-54-5	liquid	S	1%	98%	Sigma	4	2	3	8.8	2A		II		R36		Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	1	3	3	37.7	1	1	I	I	R41	R41	Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	2	3	2.3	95	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	3	3	2.33	40.72	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (10%)	8001-54-5	liquid	S	10%	98%	Sigma	4	3	2	41.1	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (100%)	8001-54-5	liquid	S	undiluted	n.p.	Aldrich	-	3	3	40	1	1	I	I	R41	R41	Prinsen and Koetter (1993)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	1	3	2.6	36.3	1	1	I	I	R41	R41	Balls et al. (1995)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	2	1	2	42	2A		II		R36		Balls et al. (1995)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	3	3	2	33.77	1		I		R41		Balls et al. (1995)
Benzalkonium chloride (5%)	8001-54-5	liquid	S	5%	98%	Sigma	4	3	3	68.9	1		I		R41		Balls et al. (1995)
Brij 35	9002-92-0	liquid	S	undiluted	n.p.	Aldrich	-	0.9	0	5	NI	NI	IV	IV	NI	NI	Prinsen and Koetter (1993)
1-Butanol	71-36-3	liquid	S	undiluted	99%	Aldrich	-	2.9	2	54	1	1	I	I	R41	R41	Prinsen and Koetter (1993)
2-Butoxyethyl acetate	112-07-2	liquid	S	undiluted	99%	Aldrich	-	1	1	5	2B	2B	III	III	NI	NI	Prinsen and Koetter (1993)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	1	1.8	1.8	13.9	2A	2A	II	II	R36	R36	Balls et al. (1995)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	2	0.5	2.7	42	1		I		R41		Balls et al. (1995)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	3	1	2	14.67	2A/2B		II/III		R36		Balls et al. (1995)
n-Butyl acetate	123-86-4	liquid	I*	undiluted	99%	Fisher	4	1	2	32.2	2A		II		R36		Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	1	2.6	1.4	15.8	2A	2A	II	II	R36	R36	Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	2	1.3	2	47	2A		II		R36		Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	3	1.67	1.5	13.1	2A/2B		II/III		R36		Balls et al. (1995)
Gammabutyrolactone	96-48-0	liquid	S	undiluted	>99%	Aldrich	4	1	2	13	2A/2B		II/III		R36		Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	1	0	0.4	1.7	NI	2B	IV	III	NI	NI	Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	2	0.2	1	27	2B		III		NI/R36		Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	3	0	1.33	19.17	2B		III		NI		Balls et al. (1995)
Captan 90 concentrate	133-06-2	solid	S	neat	90%	EPA	4	1	1	20	2B		III		R36		Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	1	1	0.5	5.4	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	2	1.3	3	89	1		I		R41		Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	3	0.67	0.5	-1.4	NI		IV		NI		Balls et al. (1995)
4-Carboxybenzaldehyde	619-66-9	solid	I*	neat	95%	Sigma	4	2	1	12.7	2A/2B		II/III		R36		Balls et al. (1995)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	2.0	2.0	22	1	1	I	I	R41	R41	Prinsen (2000)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.8	1.7	21	1		I		R41		Prinsen (2000)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	2.0	2.0	21	1		I		R41		Prinsen (2000)
Cetylpyridinium bromide (6%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.7	1.7	18	1		I		R41		Prinsen (2000)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	Sf	0.1%	98%	Sigma	1	1	0	2.2	NI	2B	IV	III	NI	NI	Balls et al. (1995)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	Sf	0.1%	98%	Sigma	2	0.7	0	21	2B		III		NI		Balls et al. (1995)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	Sf	0.1%	98%	Sigma	3	0.67	1	10.29	2B		III		NI		Balls et al. (1995)
Cetylpyridinium bromide (0.1%)	140-72-7	liquid	Sf	0.1%	98%	Sigma	4	1	1	14.6	2B		III		NI/R36		Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	Sf	10%	98%	Sigma	1	2.6	1	25.8	2A	2A	II	II	R36	R36	Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	Sf	10%	98%	Sigma	2	1.7	2	41	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	Sf	10%	98%	Sigma	3	2	1.67	27.2	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (10%)	140-72-7	liquid	Sf	10%	98%	Sigma	4	3	3	17.8	1		I		R41		Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	Sf	6%	98%	Sigma	1	2	1.2	27.2	2A	2A	II	II	R36	R36	Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	Sf	6%	98%	Sigma	2	2	0.5	49	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	Sf	6%	98%	Sigma	3	3	1.83	24.55	2A		II		R36		Balls et al. (1995)
Cetylpyridinium bromide (6%)	140-72-7	liquid	Sf	6%	98%	Sigma	4	2.7	1.7	13.5	2A		II		R36		Balls et al. (1995)

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference	
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	1	3	4	32	1	1	I	I	R41	R41	Balls et al. (1995)	
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	2	3	4	150	1		I		R41		Balls et al. (1995)	
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	3	3	3	53.13	1		I		R41		Balls et al. (1995)	
Chlorhexidine	55-56-1	solid	I*	neat	n.p.	Degussa	4	3	4	-	1		I		R41		Balls et al. (1995)	
Chloroform	67-66-3	liquid	I*	undiluted	99.8%	Aldrich	-	2.5	1	21	2A	2A	II	II	R36	R36	Prinsen and Koeter (1993)	
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	1	2.2	2.2	24.7	2A	1	II	I	R36	R41	Balls et al. (1995)	
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	2	3	2	103	1		I		R41		Balls et al. (1995)	
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	3	3	2.5	35.74	1		I		R41		Balls et al. (1995)	
Cyclohexanol	108-93-0	liquid	S	undiluted	97%	Fisher	4	3	2.5	45.3	1		I		R41		Balls et al. (1995)	
Cyclohexanol	108-93-0	liquid	n.p.	undiluted	n.p.	n.p.	1	1.8	2.5	14	2A		II		II		R36	Prinsen (2000)
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	1.7	2.0	13	2A	2A	II	II	R36	R36	Prinsen (2000)	
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	2.0	2.3	17	2A		II		R36		Prinsen (2000)	
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	2.0	2.3	14	2A		II		R36		Prinsen (2000)	
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	2.0	2.0	13	2A		II		R36		Prinsen (2000)	
Cyclohexylamino-functional PMS	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.3	0.3	1	NI		NI		NI		NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.3	0.3	1	NI	NI	NI	NI	NI	NI	Prinsen (2000)	
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.0	0.5	2	NI		NI		NI		NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.0	0.0	0	NI		NI		NI		NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	0.0	0.0	2	NI		NI		NI		NI	Prinsen (2000)
Decamethylcyclopentasiloxane	---	liquid	n.p.	undiluted	n.p.	n.p.	1	2.8	3	12.8	1		I		R41		Balls et al. (1995)	
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	1	2.7	1	75	1	1	I	I	R41	R41	Balls et al. (1995)	
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	2	1	2.7	75	1		I		R41		Balls et al. (1995)	
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	3	2	1.5	6.36	2B		III		R36		Balls et al. (1995)	
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I	neat	98%	Aldrich	4	1	2	6.7	2B		III		R36		Balls et al. (1995)	
Dibenzoyl-L-tartaric acid	2743-38-6	solid	I*	neat	99%	Aldrich	1	2.6	2	12.2	2A		II		R36		Balls et al. (1995)	
Dibenzyl phosphate	1623-08-1	solid	I*	neat	99%	Aldrich	2	1	0	22	2B	2A/2B	III	II/III	NI	R36	Balls et al. (1995)	
Dibenzyl phosphate	1623-08-1	solid	I*	neat	99%	Aldrich	3	2	1.5	17.07	2A/2B		II/III		R36		Balls et al. (1995)	
Dibenzyl phosphate	1623-08-1	solid	I*	neat	99%	Aldrich	4	2	2	40.9	1		I		R36		Balls et al. (1995)	
Dibutyltin dichloride	683-18-1	solid	S	undiluted	97%	Aldrich	-	3	2.5	34	1	1	I	I	R41	R41	Prinsen and Koeter (1993)	
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	1	2.3	0.8	12.7	2A/2B	2A	II/III	II	R36	R36	Balls et al. (1995)	
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	2	1.3	2.6	26	2A		II		R36		Balls et al. (1995)	
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	3	1.83	1.67	17.15	2A		II		R36		Balls et al. (1995)	
2,6-Dichlorobenzoyl chloride	4659-45-4	liquid	I*	undiluted	99%	Aldrich	4	1.8	0.8	16.8	2A/2B		II/III		R36		Balls et al. (1995)	
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	1	3	2.4	43.8	1		I		R41		Balls et al. (1995)	
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	2	3	2.7	74	1	1	I	I	R41	R41	Balls et al. (1995)	
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	3	3	2.5	35.9	1		I		R41		Balls et al. (1995)	
2,2-Dimethylbutanoic acid	595-37-9	liquid	I	undiluted	96%	Aldrich	4	3	3	62.7	1		I		R41		Balls et al. (1995)	
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	1	2	1	11.9	2B		III		R36		Balls et al. (1995)	
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	2	3	3	64	1		2B		I		III	R41
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	3	1.33	1.67	11.57	2B	III		R36	Balls et al. (1995)			
2,5-Dimethylhexanediol	110-03-2	solid	I	neat	99.5%	BASF	4	2	1	6.7	2B	III		R36	Balls et al. (1995)			
Dimethyl sulfoxide	67-68-5	liquid	S	undiluted	99.9%	Aldrich	-	1	0.5	4	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)	
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	1	2.8	2.8	30.7	1	1	I	I	R41	R41	Balls et al. (1995)	
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	2	2	3	74	1		I		R41		Balls et al. (1995)	
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	3	2.5	2.33	35.88	2A		II		R36		Balls et al. (1995)	
Ethanol	64-17-5	liquid	S	undiluted	n.p.	Local vendor	4	2	2.3	34.6	2A		II		R36		Balls et al. (1995)	
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	1	2	2	22	2A		II		R36		Balls et al. (1995)	
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	2	1.7	2.3	76	2A	2A	II	II	R36	R36	Balls et al. (1995)	
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	3	2	2	25.08	2A		II		R36		Balls et al. (1995)	
Ethyl acetate	141-78-6	liquid	S	undiluted	99%	Fisher	4	3	2	23	2A		II		R36		Balls et al. (1995)	
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	1	2	2.2	43	2A		II		R36		Balls et al. (1995)	
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	2	1	2.3	62	2A		II		R36		Balls et al. (1995)	
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	3	3	1.5	13.31	2A	2A	II	II	R36	R36	Balls et al. (1995)	
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	4	1	2	52.4	2A		II		R36		Balls et al. (1995)	
2-Ethyl-1-hexanol	104-76-7	liquid	S	undiluted	99%	Fisher	1	0.4	0.3	-2.8	NI		IV		NI		NI	Balls et al. (1995)
Ethyl-2-methylacetoacetate	609-14-3	liquid	S*	undiluted	97%	Fluka	2	1	0	7	2B	2B	III	III	NI	NI	Balls et al. (1995)	
Ethyl-2-methylacetoacetate	609-14-3	liquid	S*	undiluted	97%	Fluka	3	0.67	1	11.52	2B		III		NI		NI	Balls et al. (1995)
Ethyl-2-methylacetoacetate	609-14-3	liquid	S*	undiluted	97%	Fluka	4	1	0.5	4.5	NI		IV		NI		NI	Balls et al. (1995)
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	1	1.2	0.4	7.2	2B		III		NI		NI	Balls et al. (1995)
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	2	2	2	31	2A		II		R36		NI	NI
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	3	0	0	1.44	NI	2B	IV	III	NI	NI	Balls et al. (1995)	
Ethyl trimethyl acetate	3938-95-2	liquid	I*	undiluted	99%	Aldrich	4	1	0.5	6.7	2B		III		NI		NI	Balls et al. (1995)
Ethyl trimethyl acetate	3938-95-2	liquid	S	neat	97.5%	EPA	1	0.9	1.2	5.3	2B		III		NI		NI	Balls et al. (1995)
Fomesafen	72128-02-0	solid	S	neat	97.5%	EPA	2	0	0.2	11	NI	2B	IV	III	NI	NI	Balls et al. (1995)	
Fomesafen	72128-02-0	solid	S	neat	97.5%	EPA	3	1	0.5	2.82	NI		IV		NI		NI	Balls et al. (1995)
Fomesafen	72128-02-0	solid	S	neat	97.5%	EPA	4	1	1	4.3	2B		III		NI		NI	Balls et al. (1995)

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	1	1.2	1	5	2B	2B	III	III	NI	NI	Balls et al. (1995)
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	2	0	0	11	NI	2B	IV	III	NI	NI	Balls et al. (1995)
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	3	1.17	1	8.3	2B	2B	III	III	NI	NI	Balls et al. (1995)
Glycerol	56-81-5	liquid	S	undiluted	>99.5%	Mallinkrodt	4	2	0.5	29.4	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Glycerol	56-81-5	liquid	S	undiluted	99%	Aldrich	-	0.5	0.4	4	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
n-Hexane	110-54-3	liquid	I	undiluted	99%	Aldrich	-	0.5	0	1	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	1	2.8	1.6	17.4	2A	2A	II	R36	NI	NI	Balls et al. (1995)
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	2	0.2	1.7	82	2A	2A	II	R36	NI	NI	Balls et al. (1995)
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	3	3	2.83	28.89	1	1	I	R41	NI	NI	Balls et al. (1995)
n-Hexanol	111-27-3	liquid	I*	undiluted	98%	E-Kodak	4	3	3	58.9	1	1	I	R41	NI	NI	Balls et al. (1995)
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	1	3	4	40.3	1	1	I	R41	NI	NI	Balls et al. (1995)
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	2	3	3	224	1	1	I	R41	NI	NI	Balls et al. (1995)
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	3	3	2.5	36.96	1	1	I	R41	NI	NI	Balls et al. (1995)
Imidazole	288-32-4	solid	S	neat	99%	Aldrich	4	3	3	97.8	1	1	I	R41	NI	NI	Balls et al. (1995)
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	1	2.8	2.5	46.4	1	1	I	R41	NI	NI	Balls et al. (1995)
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	2	3	2.7	93	1	1	I	R41	NI	NI	Balls et al. (1995)
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	3	3	2.5	37.06	1	1	I	R41	NI	NI	Balls et al. (1995)
Isobutanol	78-83-1	liquid	I*	undiluted	99.9%	Fisher	4	3	2	69.2	1	1	I	R41	NI	NI	Balls et al. (1995)
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	1	2	1.6	23.3	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	2	0.7	2.7	72	1	1	I	R41	NI	NI	Balls et al. (1995)
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	3	3	2.5	37.84	1	1	I	R41	NI	NI	Balls et al. (1995)
Isopropanol	67-63-0	liquid	S	undiluted	99.9%	Fisher	4	2.3	0.5	8.9	2B	2B	III	NI	NI	Balls et al. (1995)	
Maneb	12427-38-2	solid	S	neat	90%	EPA	1	0	0.5	2.8	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Maneb	12427-38-2	solid	S	neat	90%	EPA	2	1	2	33	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Maneb	12427-38-2	solid	S	neat	90%	EPA	3	0	0.5	8.03	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Maneb	12427-38-2	solid	S	neat	90%	EPA	4	1	1	6.7	2B	2B	III	NI	NI	NI	Balls et al. (1995)
Mercury (II) chloride	7487-94-7	solid	I	undiluted	99.5%	Aldrich	-	2	3.1	55	1	1	I	R41	NI	NI	Prinsen and Koeter (1993)
2-Methoxyethanol	109-86-4	liquid	S	undiluted	99.9%	Aldrich	-	2	2	18	2A	2A	II	R36	R36	R36	Prinsen and Koeter (1993)
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	1	1.4	2.4	20.3	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	2	1	2.7	93	1	1	I	R41	NI	NI	Balls et al. (1995)
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	3	2	2	22.5	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Methyl acetate	79-20-9	liquid	S	undiluted	98%	Fisher	4	3	3	17.5	1	1	I	R41	NI	NI	Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	1	0.4	0.3	4.5	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	2	0.5	0.7	44	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	3	0.17	0.5	4.93	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Methyl cyanoacetate	105-34-0	liquid	S*	undiluted	99%	Aldrich	4	1	1	10.7	2B	2B	III	NI	NI	NI	Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	1	0.4	0.5	2.3	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	2	1	0	22	2B	2B	III	NI	NI	NI	Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	3	0	0.5	5.83	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Methylcyclopentane	96-37-7	liquid	I*	undiluted	>99%	Fluka	4	1	0.5	0	NI	NI	IV	IV	NI	NI	Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	1	2	2.2	23.1	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	2	2.7	3	99	1	1	I	R41	NI	NI	Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	3	3	2.33	34.88	1	1	I	R41	NI	NI	Balls et al. (1995)
Methyl ethyl ketone	78-93-3	liquid	S	undiluted	99%	Fisher	4	3	2	12.6	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	1	2.6	2	26.5	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	2	3	3	64	1	1	I	R41	NI	NI	Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	3	2	2.17	21.69	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Methyl isobutyl ketone	108-10-1	liquid	I*	undiluted	98%	Fisher	4	2	2	12.3	2A	2A	II	R36	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	1	1	0.9	5.6	2B	2B	III	NI	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	2	1	1	24	2B	2B	III	R36	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	3	2	1	8.86	2B	2B	III	R36	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid	86-87-3	solid	I*	neat	96%	EPA	4	1	1	46.7	2A	2A	II	R36	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	1	3	3	46.6	1	1	I	R41	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	2	3	2.7	122	1	1	I	R41	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	3	3	2.5	44.19	1	1	I	R41	NI	NI	Balls et al. (1995)
1-Naphthaleneacetic acid, sodium salt	61-31-4	solid	S*	neat	95%	EPA	4	3	3	64.1	1	1	I	R41	NI	NI	Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	1	2	2.4	36.5	2A	2A	II	R36	NI	NI	Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	2	1.3	2	108	2A	2A	II	R36	NI	NI	Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	3	1.17	1.5	10.18	2B	2B	III	NI	NI	NI	Balls et al. (1995)
n-Octanol	111-87-5	liquid	I*	undiluted	>99%	Aldrich	4	2	1	25.7	2A	2A	II	R36	NI	NI	Balls et al. (1995)
Paraffluoraniline	371-40-4	liquid	I	undiluted	99%	Aldrich	1	3	2.2	35.3	1	1	I	R41	NI	NI	Balls et al. (1995)
Paraffluoraniline	371-40-4	liquid	I	undiluted	99%	Aldrich	2	3	2	79	1	1	I	R41	NI	NI	Balls et al. (1995)
Paraffluoraniline	371-40-4	liquid	I	undiluted	99%	Aldrich	3	3	2	33.44	1	1	I	R41	NI	NI	Balls et al. (1995)
Paraffluoraniline	371-40-4	liquid	I	undiluted	99%	Aldrich	4	3	2	38.5	1	1	I	R41	NI	NI	Balls et al. (1995)

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference		
Polyethylene glycol 400	25322-68-3	liquid	Sf	undiluted	n.p.	Aldrich	1	1.4	1	9.8	2B	2B	III	III	NI	R36	Balls et al. (1995)		
Polyethylene glycol 400	25322-68-3	liquid	Sf	undiluted	n.p.	Aldrich	2	0.2	0	26	NI		IV		NI		Balls et al. (1995)		
Polyethylene glycol 400	25322-68-3	liquid	Sf	undiluted	n.p.	Aldrich	3	2	1	5.88	2B		III		R36		Balls et al. (1995)		
Polyethylene glycol 400	25322-68-3	liquid	Sf	undiluted	n.p.	Aldrich	4	1	0.5	14.8	2B		III		R36		Balls et al. (1995)		
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	1	1	0.7	8	2B	2B	III	III	NI	R36	Balls et al. (1995)		
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	2	0.2	0	25	2B		III		NI		Balls et al. (1995)		
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	3	1.67	1	10.45	2B		III		R36		Balls et al. (1995)		
Potassium cyanate	590-28-3	solid	S	neat	97%	Degussa	4	1.3	1.7	25.3	2A		II		R36		Balls et al. (1995)		
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	1	2.6	1.6	33	1	1	I	I	R41	R41	Balls et al. (1995)		
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	2	3	3	143	1		I		R41		Balls et al. (1995)		
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	3	3	2	23.02	2A		II		R36		Balls et al. (1995)		
Promethazine HCl	58-33-3	solid	S*	neat	98%	Aldrich	4	2	3	28.6	1/2A		I/II		R36/R41		Balls et al. (1995)		
Pyridine	110-86-1	liquid	S	undiluted	>99.9%	Aldrich	1	3	2	32.7	1	1	I	I	R41	R41	Balls et al. (1995)		
Pyridine	110-86-1	liquid	S	undiluted	>99.9%	Aldrich	2	3	3	95	1		I		R41		Balls et al. (1995)		
Pyridine	110-86-1	liquid	S	undiluted	>99.9%	Aldrich	3	3	2.5	37.47	1		I		R41		Balls et al. (1995)		
Pyridine	110-86-1	liquid	S	undiluted	>99.9%	Aldrich	4	3	3	78.6	1		I		R41		Balls et al. (1995)		
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	1	1.2	0.6	4.1	2B	2B	III	III	NI	NI	Balls et al. (1995)		
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	2	0.2	0.2	12	NI		IV		NI		Balls et al. (1995)		
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	3	2	2	11.49	2A		II		R36		Balls et al. (1995)		
Quinacrine	69-05-6	solid	S*	neat	n.p.	Sigma	4	1	0.5	6.8	2B		III		NI		Balls et al. (1995)		
Silver (I) nitrate	7761-88-8	solid	S	3%	99.5%	Aldrich	-	1	1	12	2B	2B	III	NI	NI	Prinsen and Koeter (1993)			
Sodium dodecyl sulfate	151-21-3	solid	S	undiluted	70%	Aldrich	-	0.8	1	22	2B	2B	III	III	R41	R41	Prinsen and Koeter (1993)		
Sodium fluorescein	518-47-8	liquid	S	20%	70% ⁴	Aldrich	-	0.1	0	0	NI	NI	IV	NI	NI	NI	Prinsen and Koeter (1993)		
Sodium hydroxide	1310-73-2	liquid	S	1%	97%	Aldrich	-	3	3	60	1	1	I	I	R41	R41	Prinsen and Koeter (1993)		
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	1	1	0.6	14.1	2B		III		NUR36		Balls et al. (1995)		
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	2	0.7	2.3	55	2A		II		R36		Balls et al. (1995)		
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	3	2.33	2.5	30.31	2A		II		R36		Balls et al. (1995)		
Sodium hydroxide (1%)	1310-73-2	liquid	S	1%	RG	Fisher	4	2	2	33.3	2A	1	II	I	R36	R41	Balls et al. (1995)		
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG ²	Fisher	1	3	4	32	1		I		R41		Balls et al. (1995)		
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG	Fisher	2	3	3.3	194	1		I		R41		Balls et al. (1995)		
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG	Fisher	3	3	3.17	68.86	1		I		R41		Balls et al. (1995)		
Sodium hydroxide (10%)	1310-73-2	liquid	S	10%	RG	Fisher	4	3	4	151.7	1	1	I	I	R41	R41	Balls et al. (1995)		
Sodium lauryl sulfate (15%)	151-21-3	liquid	Sf	15%	98%	Sigma	1	0.6	0.4	7	2B		III		NI		Balls et al. (1995)		
Sodium lauryl sulfate (15%)	151-21-3	liquid	Sf	15%	98%	Sigma	2	1	0.2	33	2A		II		R36		Balls et al. (1995)		
Sodium lauryl sulfate (15%)	151-21-3	liquid	Sf	15%	98%	Sigma	3	1.67	1	9.56	2B		III		R36		Balls et al. (1995)		
Sodium lauryl sulfate (15%)	151-21-3	liquid	Sf	15%	98%	Sigma	4	1	1	12.2	2B	2B	III	III	NI	R36	Balls et al. (1995)		
Sodium lauryl sulfate (3%)	151-21-3	liquid	Sf	3%	98%	Sigma	1	1	0.2	3.9	NI		IV		NI		Balls et al. (1995)		
Sodium lauryl sulfate (3%)	151-21-3	liquid	Sf	3%	98%	Sigma	2	0	0	39	2B		III		R36		Balls et al. (1995)		
Sodium lauryl sulfate (3%)	151-21-3	liquid	Sf	3%	98%	Sigma	3	1	0	2.75	NI		IV		NI		Balls et al. (1995)		
Sodium lauryl sulfate (3%)	151-21-3	liquid	Sf	3%	98%	Sigma	4	1	1	15.9	2B	2B	III	III	NI/R36	NI	Balls et al. (1995)		
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	1	0.7	0.7	6.3	2B		III		NI		Balls et al. (1995)		
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	2	0.2	0	24	2B		III		NI		Balls et al. (1995)		
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	3	0.5	0.5	2.62	NI		IV		NI		Balls et al. (1995)		
Sodium oxalate	62-76-0	solid	S	neat	>99%	Aldrich	4	1	0	2.4	NI	2B	IV	III	NI	NI	Balls et al. (1995)		
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	1	0.6	0.5	3.1	NI		IV		NI		Balls et al. (1995)		
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	2	0.2	0.7	23	2B		III		NI		Balls et al. (1995)		
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	3	1.33	1	7.54	2B		III		NI		Balls et al. (1995)		
Sodium perborate, 4H ₂ O	10486-00-7	solid	S	neat	98.6%	Dupont	4	1	0.5	14.6	2B	2B	III	III	NI	NI	Balls et al. (1995)		
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	1	1.3	1	7.5	2B		III		NI		Balls et al. (1995)		
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	2	1	2	31	2A		II		R36		Balls et al. (1995)		
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	3	1.5	1.5	7.3	2B		III		NI		Balls et al. (1995)		
Tetraaminopyrimidine sulfate	5392-28-9	solid	I*	neat	97%	Aldrich	4	1	1	8.9	2B	2B	III	III	NI	NI	Balls et al. (1995)		
TNO-01 (Formulation-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI		NI		IV		NI	NI	Prinsen (1996)
TNO-02 (Formulation-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2.7	2	24	2A		NI		II		R36	R36	Prinsen (1996)
TNO-03 (Pesticide-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.6	0.3	3	NI		NI		IV		NI	NI	Prinsen (1996)
TNO-04 (Detergent-1) ¹⁾	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.5	1.5	9	2B	NI	III	NI	NI	Prinsen (1996)			
TNO-05 (Silicone powder-1)	n.p.	solid	I	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	IV	NI	NI	Prinsen (1996)			
TNO-06 (Lubricant)	n.p.	gel	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	NI	NI	Prinsen (1996)			
TNO-07 (Ink-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.8	0	2	NI	NI	IV	NI	NI	Prinsen (1996)			
TNO-08 (Ink-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.1	0	3	NI	NI	IV	NI	NI	Prinsen (1996)			
TNO-09 (Paint)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.3	0.5	5	NI	NI	IV	NI	NI	Prinsen (1996)			
TNO-10 (Silicone powder-2)	n.p.	solid	I	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	NI	NI	Prinsen (1996)			
TNO-11 (Sodium p-styrene sulfonate)	2695-37-6	solid	n.p.	undiluted	n.p.	n.p.	-	2	1.3	19	2A	2A	II	R36	R36	Prinsen (1996)			
TNO-12 (Formulation-3)	n.p.	paste	n.p.	undiluted	n.p.	n.p.	-	2.5	2	35	2A	2A	II	R36	R36	Prinsen (1996)			
TNO-13 (Pesticide-2)	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.7	0	1	NI	NI	IV	NI	NI	Prinsen (1996)			

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
TNO-14 (Polvdissaccharide)	n.p.	liquid	n.p.	14.5%	n.p.	n.p.	-	0.3	0	2	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-15 (Polvdissaccharide)	n.p.	liquid	n.p.	50%	n.p.	n.p.	-	0	0	2	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-16 (Liquid nylon product)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-17 (Solvent-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.3	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-18 (Solvent-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-19 (Solvent-3)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-20 (Solvent-4)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.5	0.3	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-21 (Solvent-5)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.3	0.3	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-22 (Solvent-6)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0.3	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-23 (Solvent-7)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0	2	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-24 (Solvent-8)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-25 (Solvent-9)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-26 (Ink-3)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.1	0	0	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-27 (Thermal paper coating-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.6	9	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-28 (Toilet cleaner-1)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.4	0.8	12	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-29 (Toilet cleaner-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.3	1	11	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-30 (Pesticide-3)	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1.5	1	7	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-31 (Sulfur)	7704-34-9	solid	I	undiluted	n.p.	n.p.	-	0.2	0	1	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-32 (Ink-4)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	7	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-33 (Thermal paper coating-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2	0.5	5	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-34 (Detergent-2)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	1	25	1	1	I	I	R41	R41	Prinsen (1996)
TNO-35 (Propyl-lactate)	616-09-1	liquid	S	undiluted	n.p.	n.p.	-	3	3	45	1	1	I	I	R41	R41	Prinsen (1996)
TNO-36 (Ethylhexyl lactate)	6283-86-9	liquid	n.p.	undiluted	n.p.	n.p.	-	2	2	18	2A	2A	II	II	R36	R36	Prinsen (1996)
TNO-37 (Pesticide-4)	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1.5	1	15	2B	2B	III	III	NI	NI	Prinsen (1996)
TNO-38 (Solvent-10)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	3	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-39 (Detergent-3)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.5	0.5	4	NI	NI	IV	IV	NI	NI	Prinsen (1996)
TNO-40 (Glycolbromoacetate form.)	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2.6	1.9	41	1	1	I	I	R41	R41	Prinsen (1996)
TNO-41 (Amidosulfonic acid)	5329-14-6	solid	n.p.	undiluted	n.p.	n.p.	-	2.7	4	46	1	1	I	I	R41	R41	Prinsen (1996)
TNO-42 (Glycolbromoacetate)	3785-34-0	liquid	n.p.	85%	n.p.	n.p.	-	3	3	36	1	1	I	I	R41	R41	Prinsen (1996)
TNO-43 (Monobromoacetic acid)	79-08-3	solid	S	undiluted	n.p.	n.p.	-	3	4	80	1	1	I	I	R41	R41	Prinsen (1996)
TNO-44 (Didecylidimethylammoniumchloride (23% in propyl glycol))	7173-51-5	liquid	n.p.	23%	n.p.	n.p.	-	3	3.5	39	1	1	I	I	R41	R41	Prinsen (1996)
TNO-45	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	5	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-46	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-47	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-48	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	3	1	25	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-49	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	3	4	-	1	1	I	I	R41	R41	Prinsen (2005)
TNO-50	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	3	3	41.1	1	1	I	I	R41	R41	Prinsen (2005)
TNO-51	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	3	3	33.9	1	1	I	I	R41	R41	Prinsen (2005)
TNO-52	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.7	1	5	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-53	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.5	0.2	3	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-54	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1	1	9	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-55	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.7	1.3	10	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-56	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2	1.3	10	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-57	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.5	1.3	12	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-58	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	-1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-59	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.2	0	-2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-60	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.2	0.5	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-61	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-62	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	2	1	12	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-63	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.3	0.5	3	NI	NI	IV	IV	NI	NI	Prinsen (2005)
TNO-64	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	1	1	5	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-65	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	0.7	0.5	4	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-66	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	0	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-67	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	1	6	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-68	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1/2	1	8	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-69	n.p.	liquid	n.p.	50%	n.p.	n.p.	-	1	0	0	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-70	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	2	1	20	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-71	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	1	0.5	13	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-72	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	1.5	0.5	5	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-73	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	2.7	2	18	1	1	I	I	R41	R41	Prinsen (2005)
TNO-74	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.5	0	0	NI	NI	IV	IV	NI	NI	Prinsen (2005)
TNO-75	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-76	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0	0	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-77	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	7	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-78	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1.3	1	15	2B	2B	III	III	NI	NI	Prinsen (2005)

Substance/Product Name	CASRN	Form Tested	Water Solubility ¹	Concentration Tested	Purity	Source	Lab No.	Fluorescein Retention	Corneal Opacity	Corneal Swelling	In Vitro Classification (GHS)	Overall In Vitro Classification (GHS)	In Vitro Classification (EPA)	Overall In Vitro Classification (EPA)	In Vitro Classification (EU)	Overall In Vitro Classification (EU)	Reference
TNO-79	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	1	1	10	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-80	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.3	0	-1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-81	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-82	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	0	0	-2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-83	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	0.8	0.7	10	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-84	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	0.7	0.7	2	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-85	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	2	1.3	14	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-86	n.p.	n.p.	n.p.	undiluted	n.p.	n.p.	-	1	1	7	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-87	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.7	1	1	2B	2B	III	III	NI	NI	Prinsen (2005)
TNO-88	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0.3	0.7	3	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-89	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.2	0.7	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-90	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-91	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	0	0.2	1	NI	NI	NI	NI	NI	NI	Prinsen (2005)
TNO-92	n.p.	solid	n.p.	undiluted	n.p.	n.p.	-	0.8	1.7	16	2B	2B	III	III	R36	R36	Prinsen (2005)
TNO-93	n.p.	emulsion	n.p.	undiluted	n.p.	n.p.	-	3	2	17	2A	2A	II	II	R36	R36	Prinsen (2005)
TNO-94	n.p.	liquid	n.p.	undiluted	n.p.	n.p.	-	1	0.5	2	NI	NI	NI	NI	NI	NI	Prinsen (2005)
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	2	1.4	1	5.2	2B			NI	NI	Balls et al. (1995)	
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	3	2	1.3	29	2A			II			Balls et al. (1995)
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	4	1.33	2	13.87	2A/2B	2A	II				Balls et al. (1995)
Toluene	108-88-3	liquid	I*	undiluted	99%	Fisher	1	1	2	58.2	2A			II			Balls et al. (1995)
Toluene	108-88-3	liquid	I*	undiluted	99.9%	Aldrich	-	1.1	1.4	4	2B	2B	III	III	NI	NI	Prinsen and Koeter (1993)
Triacetin	102-76-1	liquid	I*	undiluted	99%	Aldrich	-	0.5	0.4	4	NI	NI	IV	IV	NI	NI	Prinsen and Koeter (1993)
Tributyltin chloride	1461-22-9	liquid	n.p.	undiluted	96%	Aldrich	-	3	2.5	48	1	1	I	I	R41	R41	Prinsen and Koeter (1993)
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	2	2.4	1.2	13.2	2A/2B			II/III			Balls et al. (1995)
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	3	2.3	2	38	2A			II			Balls et al. (1995)
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	4	1.5	2.5	27.88	2A	2A	II	II	R36	R36	Balls et al. (1995)
Trichloroacetic acid (3%)	76-03-9	liquid	S	3%	RG	Fisher	1	1.7	2	26.4	2A			II			Balls et al. (1995)
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	2	3	4	32	1			I			Balls et al. (1995)
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	3	3	4	153	1			I			Balls et al. (1995)
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	4	*	4	*	*			I	*		Balls et al. (1995)
Trichloroacetic acid (30%)	76-03-9	liquid	S	30%	RG	Fisher	1	3	4	*	1			I			Balls et al. (1995)
Triethanolamine	102-71-6	liquid	S	undiluted	99%	Aldrich	-	0.9	0.7	4	2B	2B	III	III	NI	NI	Prinsen and Koeter (1993)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	14	2B			III			Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	14	2B			III			Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	13	2B			III			Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.8	8	2B			III			Prinsen (2000)
Triton X-500 (5%)	---	liquid	Sf	undiluted	n.p.	n.p.	1	1.0	0.7	11	2B			III			Prinsen (2000)
Triton X-100 (10%)	9002-93-1	liquid	Sf	10%	98%	Sigma	2	1.4	0.1	9.9	2B			III			Balls et al. (1995)
Triton X-100 (10%)	9002-93-1	liquid	Sf	10%	98%	Sigma	3	1	0.8	29	2A/2B	2A/2B	II/III	II/III	R36	R36	Balls et al. (1995)
Triton X-100 (10%)	9002-93-1	liquid	Sf	10%	98%	Sigma	4	2.67	1.17	20.2	2A			II			Balls et al. (1995)
Triton X-100 (10%)	9002-93-1	liquid	Sf	10%	98%	Sigma	1	1.7	1	11.2	2B			III			Balls et al. (1995)
Triton X-100 (5%)	9002-93-1	liquid	Sf	5%	98%	Sigma	2	1	0.6	9.8	2B			III			Balls et al. (1995)
Triton X-100 (5%)	9002-93-1	liquid	Sf	5%	98%	Sigma	3	1.3	0	38	2A			II			Balls et al. (1995)
Triton X-100 (5%)	9002-93-1	liquid	Sf	5%	98%	Sigma	4	2	0	3.97	2B			III			Balls et al. (1995)
Triton X-100 (5%)	9002-93-1	liquid	Sf	5%	98%	Sigma	1	1	2	39.6	2A			II			Balls et al. (1995)
Tween 20	9005-64-5	liquid	Sf	undiluted	98%	Sigma	2	1	1	3.6	2B			III			Balls et al. (1995)
Tween 20	9005-64-5	liquid	Sf	undiluted	98%	Sigma	3	0.2	0	31	2B			III			Balls et al. (1995)
Tween 20	9005-64-5	liquid	Sf	undiluted	98%	Sigma	4	2.5	1	5.63	2B			III			Balls et al. (1995)
Tween 20	9005-64-5	liquid	Sf	undiluted	98%	Sigma	1	1	0.5	6.7	2B			III			Balls et al. (1995)

¹S = Soluble; Sf = Surfactant; I = Insoluble; *solubility uncertain

²RG = Reagent grade

³Numbering for substances from this reference assigned based on order of appearance in Table 3 of Prinsen (1996)

⁴Dye content

n.p. = Not provided and not obtained