

Substance Name	CASRN	In Vitro Conc. Tested	In Vivo Conc. Tested	Chemical Class	In Vivo Physical Form Tested	pH	Property of Interest	In Vivo (GHS) Classification <sup>1</sup>	GHS Category 1 Subclass <sup>2</sup>	In Vivo (EPA) Classification <sup>3</sup>	In Vivo (EU) Classification <sup>4</sup>	In Vitro Classification (IS(B)) <sup>5</sup>	Reference
Acetic acid	64-19-7	10%	n.a.	Carboxylic acid	Solution						R41	Severe	CEC (1991)
Acetic acid	64-19-7	100%	n.a.	Carboxylic acid	Liquid						R41	Severe	CEC (1991)
Acetone	67-64-1	100%	100%	Ketone	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1997)
Allyl alcohol	107-18-6	100%	100%	Alcohol	Liquid						R36	Severe	Gilleron et al. (1996)
2-Aminophemol	95-55-6	100%	100%	Amine, Phenol	Solid						Nonirritant	Nonirritant	Gilleron et al. (1996)
Ammonium nitrate	6484-52-2	100%	100%	Inorganic salt, Onium	Solid			Category 2B		Category III	R36	Severe	Gilleron et al. (1997)
Anthracene	120-12-7	100%	100%	Polycyclic compound	Solid						Nonirritant	Nonirritant	Gilleron et al. (1996)
L-Aspartic acid	70-47-3	100%	100%	Amino acid	Solid			SCNM		SCNM	SCNM	Slight	Gilleron et al. (1997)
Benzalkonium chloride	8001-54-5	100%	n.a.	Onium	Unknown		Cationic Surfactant				R41	Severe	CEC (1991)
Benzalkonium chloride	8001-54-5	100%	5%	Onium	Solution		Cationic Surfactant	Category 1/Category 2A	2	Category I	R41/R36	Severe	Gilleron et al. (1997)
Benzalkonium chloride	8001-54-5	100%	10%	Onium	Solution		Cationic Surfactant	Category 1	4	Category I	R41	Severe	Gilleron et al. (1997)
Benzalkonium chloride	8001-54-5	100%	1%	Onium	Solution		Cationic Surfactant	Category 1	1	Category I	R41	Severe	Gilleron et al. (1997)
Benzethonium chloride	121-54-0	100%	100%	Amine, Onium	Solid		Cationic Surfactant				R41	Severe	Gilleron et al. (1996)
Brij 35	9002-92-0	100%	n.a.	Alcohol	Solid		Nonionic Surfactant				Nonirritant	Slight	CEC (1991)
Butanol	71-36-3	10%	n.a.	Alcohol	Solution						R36	Severe	CEC (1991)
Butanol	71-36-3	100%	n.a.	Alcohol	Liquid						R36	Severe	CEC (1991)
2-Butoxyethyl acetate	112-07-2	10%	n.a.	Ester	Solution						Nonirritant	Slight	CEC (1991)
2-Butoxyethyl acetate	112-07-2	100%	n.a.	Ester	Liquid						Nonirritant	Slight	CEC (1991)
Butyl acetate	123-86-4	100%	100%	Ester	Liquid			Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)

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Captan 90 concentrate	133-06-2	100%	100%	Imide, Organic sulfur compound	Solid			Category 1	4	Category I	R41	Severe	Gilleron et al. (1997)
4-Carboxy-benzaldehyde	619-66-9	100%	100%	Carboxylic acid, Aldehyde	Solid			Category 2A		Category II	R36	Slight	Gilleron et al. (1997)
Cetylpyridinium bromide	140-72-7	100%	0.10%	Heterocyclic compounds, Onium	Solution		Cationic Surfactant	Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Cetylpyridinium bromide	140-72-7	100%	10%	Heterocyclic compounds, Onium	Solution		Cationic Surfactant	Category 1	4	SCNM	R41	Severe	Gilleron et al. (1997)
Cetylpyridinium bromide	140-72-7	100%	6%	Heterocyclic compounds, Onium	Solution		Cationic Surfactant	Category 1	2	Category I	R41	Severe	Gilleron et al. (1997)
Chlorhexidine	55-56-1	100%	100%	Amidine	Solid			Category 1	4	SCNM	SCNM	Severe	Gilleron et al. (1997)
Cyclohexanol	108-93-0	100%	100%	Alcohol	Liquid			Category 1	2	Category I	R41	Severe	Gilleron et al. (1997)
Cyclohexanone	108-94-1	100%	100%	Ketone, Cyclic hydrocarbon	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
Deoxycholic acid, sodium salt	302-95-4	100%	100%	Alcohol, Carboxylic acid, Organic salt	Solid		Nonionic Surfactant				R36	Severe	Gilleron et al. (1996)
Diacetone alcohol	123-42-2	100%	100%	Ketone	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
Dibenzoyl-L-tartaric acid	2743-38-6	100%	100%	Carboxylic acid, Ester	Solid			Category 1	2	SCNM	R41	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
Dibenzyl phosphate	1623-08-1	100%	100%	Ester	Solid			Category 2A		Category II	R36	Severe	Gilleron et al. (1997)
Dibutyltin chloride	683-18-1	100%	n.a.	Organic salt	Solid						R41	Severe	CEC (1991)
2,6-Dichlorobenzoyl chloride	4659-45-4	100%	100%	Acyl halide	Liquid			Category 2A		Category II	SCNM	Severe	Gilleron et al. (1997)
2,4-Dicholor-5-sulfamoyl-benzoic acid	2736-23-4	100%	100%	Amide, Organic sulfur compound	Solid						Nonirritant	Slight	Gilleron et al. (1996)

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Dimethyl biguanidine	657-24-9	100%	100%	Amidine	Solid						Nonirritant	Moderate	Gilleron et al. (1996)
2,2-Dimethylbutanoic acid	595-37-9	100%	100%	Carboxylic acid	Liquid			SCNM		Category I	SCNM	Severe	Gilleron et al. (1997)
2,5-Dimethyl-hexanediol	110-03-2	100%	100%	Alcohol	Solid			Category 1	1	Category I	R41	Severe	Gilleron et al. (1997)
Dimethyl sulfoxide	67-68-5	10%	n.a.	Organic sulfur compound	Solution						Nonirritant	Slight	CEC (1991)
Dimethyl sulfoxide	67-68-5	100%	n.a.	Organic sulfur compound	Liquid						Nonirritant	Severe	CEC (1991)
Dimethyl sulfoxide	67-68-5	100%	100%	Organic sulfur compound	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
EDTA dipotassium	25105-12-9	100%	100%	Amine, Carboxylic acid, Organic salt	Solid						Nonirritant	Nonirritant	Gilleron et al. (1996)
Ethanol	64-17-5	100%	100%	Alcohol	Liquid			Category 2A		Category III	Nonirritant	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
2-Ethoxyethanol	110-80-5	100%	100%	Alcohol	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
Ethyl acetate	141-78-6	100%	100%	Ester	Liquid			Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Ethylacetoacetate	141-97-9	100%	100%	Carboxylic acid, Ketone	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
2-Ethyl-1-hexanol	104-76-7	100%	100%	Alcohol	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1997)
Ethyl-2-methyl-acetoacetate	609-14-3	100%	100%	Ketone, Ester	Liquid			Category 2B		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Ethyl trimethyl acetate	3938-95-2	100%	100%	Ester	Liquid			Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Fomesafen	72128-02-0	100%	100%	Imide, Ether, Nitro compound	Solid			Nonirritant		Category III	Nonirritant	Slight	Gilleron et al. (1997)
Furan	110-00-9	100%	100%	Heterocycle	Liquid						Nonirritant	Moderate	Gilleron et al. (1996)
Gamma-butyrolactone	96-48-0	100%	100%	Heterocycle, Lactone	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1996); Gilleron et al. (1997)

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Glucanolactone	90-80-2	100%	100%	Carboxylic acid, Lactone, Carbohydrate	Solid						Nonirritant	Slight	Gilleron et al. (1996)
DL-Glutamic acid	19285-83-7	100%	100%	Amino acid	Solid						Nonirritant	Nonirritant	Gilleron et al. (1996)
Glycerol	56-81-5	10%	n.a.	Alcohol	Solution						Nonirritant	Slight	CEC (1991)
Glycerol	56-81-5	100%	n.a.	Alcohol	Liquid						Nonirritant	Severe	CEC (1991)
Glycerol	56-81-5	100%	100%	Alcohol	Liquid			Nonirritant		Category IV	Nonirritant	Severe	Gilleron et al. (1997)
3-Glycidopropyltrimethoxysilane	2530-83-8	100%	100%	Ether, Organosilicon compound	Liquid						Nonirritant	Slight	Gilleron et al. (1996)
Hexadecyltrimethylammonium bromide	57-09-0	100%	100%	Organic salt, Onium	Liquid		Cationic Surfactant				R36	Severe	Gilleron et al. (1996)
Hexane	110-54-3	100%	100%	Acyclic hydrocarbon	Liquid						Nonirritant	Slight	Gilleron et al. (1996)
n-Hexane	110-54-3	10%	n.a.	Acyclic hydrocarbon	Solution						Nonirritant	Severe	CEC (1991)
n-Hexane	110-54-3	100%	n.a.	Acyclic hydrocarbon	Liquid						Nonirritant	Slight	CEC (1991)
Hexanol	111-27-3	100%	100%	Alcohol	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1997)
Hydroalcoholic Formulation 1-5% Alcohol Containing Formulation (PROD-00187)		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1991)
Hydroalcoholic Formulation 2-10% Alcohol Containing Formulation (PROD-00183)		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Moderate	Gettings et al. (1991)
Hydroalcoholic Formulation 3-15% Alcohol Containing Formulation (PROD-00186)		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Moderate	Gettings et al. (1991)

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Hydroalcoholic Formulation 4- 20% Alcohol Containing Formulation (PROD-00185)		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Moderate	Gettings et al. (1991)
Hydroalcoholic Formulation 5- 33% Alcohol Containing Formulation (PROD-00184)		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	No Data	Gettings et al. (1991)
Hydroalcoholic Formulation 6- 40% Alcohol Containing Formulation (PROD-00189)		Undiluted	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 7- 55% Alcohol Containing Formulation (PROD-00188)		Undiluted	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 8- 65% Alcohol Containing Formulation (PROD-00180)		Undiluted	Undiluted	Formulation	Solution			Category 2B		Category II	Nonirritant	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 9- 83% Alcohol Containing Formulation (PROD-00181)		Undiluted	Undiluted	Formulation	Solution			Category 2A		Category II	SCNM	Severe	Gettings et al. (1991)
Hydroalcoholic Formulation 10- 90% Alcohol Containing Formulation (PROD-00182)		Undiluted	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1991)

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Imidazole	288-32-4	100%	100%	Heterocycle	Solid			Category 1	4	Category I	R41/R36	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
Iminodibenzyl	494-19-9	100%	100%	Heterocycle	Solid						Nonirritant	Nonirritant	Gilleron et al. (1996)
Isobutanol	78-83-1	100%	100%	Alcohol	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1997)
Isopropanol	67-63-0	100%	100%	Alcohol	Liquid			Category 2A		Category III	SCNM	Severe	Gilleron et al. (1997)
N-Lauroylsarcosine, sodium salt	7631-98-3	100%	100%	Aminide, Amine Salt	Solid		Anionic Surfactant				Nonirritant	Severe	Gilleron et al. (1996)
Laurylsulfo betaine	14933-08-5	100%	100%	Amine, Onium	Unknown		Zwitterionic Surfactant				R36	Moderate	Gilleron et al. (1996)
Magnesium carbonate	56378-72-4	100%	100%	Alcohol	Solid						Nonirritant	Slight	Gilleron et al. (1996)
Maneb	12427-38-2	100%	100%	Amine, Organic salt, Urea	Solid			SCNM		Category III	SCNM	Nonirritant	Gilleron et al. (1997)
Methanol	67-56-1	100%	100%	Alcohol	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
2-Methoxyethanol	109-86-4	10%	n.a.	Alcohol	Solution						Nonirritant	Moderate	CEC (1991)
2-Methoxyethanol	109-86-4	100%	n.a.	Alcohol	Liquid						Nonirritant	Severe	CEC (1991)
2-Methoxyethanol	109-86-4	100%	100%	Alcohol, Ether	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
Methyl acetate	79-20-9	100%	100%	Ester	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1997)
Methyl cyanoacetate	105-34-0	100%	100%	Ester, Nitrile	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1997)
Methylcyclopentane	96-37-7	100%	100%	Cyclic hydrocarbon	Liquid			Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Methyl ethyl ketone	78-93-3	100%	100%	Ketone	Liquid			Category 2A		Category III	R36	Severe	Gilleron et al. (1997)
Methyl isobutyl ketone	108-10-1	100%	100%	Ketone	Liquid			Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
MYRJ 45		100%	100%	Unknown	Solid		Nonionic Surfactant				Nonirritant	Nonirritant	Gilleron et al. (1996)

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1-Naphthalene acetic acid	86-87-3	100%	100%	Carboxylic acid, Polycyclic compound	Solid			Category 1	NC	Category I	SCNM	Moderate	Gilleron et al. (1997)
1-Naphthalene acetic acid, Na salt	61-31-4	100%	100%	Organic salt, Carboxylic acid salt, Polycyclic compound	Solid			Category 1	1	Category I	R41	Severe	Gilleron et al. (1997)
1-Nitropropane	108-03-2	100%	100%	Acyclic hydrocarbon, Nitro compound	Liquid						Nonirritant	Slight	Gilleron et al. (1996)
Octanol	111-87-5	100%	100%	Alcohol	Liquid			Category 2A		Category II	R36	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
Oil/Water Emulsion-HZA		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZC		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZE		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZF		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZH		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Severe	Gettings et al. (1994)
Oil/Water Emulsion-HZI		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZJ		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZL		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Severe	Gettings et al. (1994)
Oil/Water Emulsion-HZM		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Severe	Gettings et al. (1994)
Oil/Water Emulsion-HZN		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZO		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZR		Undiluted	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1994)
Oil/Water Emulsion-HZS		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Moderate	Gettings et al. (1994)

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Oil/Water Emulsion-HZT		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZU		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion-HZV		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion-HZW		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Moderate	Gettings et al. (1994)
Oil/Water Emulsion-HZY		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Severe	Gettings et al. (1994)
Parafluoraniiline	371-40-4	100%	100%	Amine	Liquid			SCNM		SCNM	SCNM	Severe	Gilleron et al. (1997)
2,4-Pentadione	123-54-6	100%	100%	Ketone	Liquid						Nonirritant	Moderate	Gilleron et al. (1996)
1-Phenyl-3-pyrazolidine	92-43-3	100%	100%	Heterocycle	Solid						Nonirritant	Nonirritant	Gilleron et al. (1996)
Polyethylene glycol 400	25322-68-3	100%	100%	Alcohol, Ether	Liquid		Nonionic Surfactant	Nonirritant		Category IV	Nonirritant	Severe	Gilleron et al. (1997)
Polyoxyethylene 23 lauryl ether	9002-92-0	100%	100%	Alcohol	Solid		Nonionic Surfactant				Nonirritant	Slight	Gilleron et al. (1996)
Potassium cyanate	590-28-3	100%	100%	Inorganic salt	Solid			SCNM		SCNM	SCNM	Severe	Gilleron et al. (1997)
Promethazine HCl	58-33-3	100%	100%	Amine, Heterocycle, Organic sulfur compound	Solid			Category 1	1	Category I	R41	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
Propyl-4-hydroxybenzoate	94-13-3	100%	100%	Carboxylic acid, Phenol	Solid						Nonirritant	Slight	Gilleron et al. (1996)
Pyridine	110-86-1	100%	100%	Heterocycle	Liquid			Category 1	4	Category I	R41/R36	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
Quinacrine	69-05-6	100%	100%	Amine, Heterocycle, Polycyclic compound	Solid			Category 1	3	Category I	R41/R36	Moderate	Gilleron et al. (1996); Gilleron et al. (1997)
Sodium dodecyl sulfate	151-21-3	10%	n.a.	Organic salt, Carboxylic acid salt	Solution		Anionic Surfactant				R36	Severe	CEC (1991)

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Sodium dodecyl sulfate	151-21-3	100%	n.a.	Organic salt, Carboxylic acid salt	Solid		Anionic Surfactant				R41	Severe	CEC (1991)
Sodium hydroxide	1310-73-2	100%	1%	Alkali	Solution			Category 2B		Category III	R36	Severe	Gilleron et al. (1997)
Sodium hydroxide	1310-73-2	100%	10%	Alkali	Solution			Category 1	4	Category I	R41	Severe	Gilleron et al. (1997)
Sodium lauryl sulfate	151-21-3	100%	3%	Organic salt, Carboxylic acid salt	Solution		Anionic Surfactant	Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Sodium lauryl sulfate	151-21-3	100%	15%	Organic salt, Carboxylic acid salt	Solution		Anionic Surfactant	Category 1	NC	Category I	SCNM	Severe	Gilleron et al. (1997)
Sodium lauryl sulfate	151-21-3	1%	1%	Organic salt, Carboxylic acid salt	Solution		Anionic Surfactant	Nonirritant		Category IV	Nonirritant	Severe	Vinardell and Macián (1994)
Sodium oxalate	62-76-0	100%	100%	Organic salt, Carboxylic acid salt	Solid			Category 1	4	Category I	R41	Severe	Gilleron et al. (1997)
Sodium perborate	10486-00-7	100%	100%	Inorganic salt, Boron containing compound	Solid			Category 1	4	Category I	R41	Severe	Gilleron et al. (1997)
Surfactant Based Formulation 1- HZA		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 2- HZB		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 3- HZC		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 4- HZD		10%	Undiluted	Formulation	Solution			Category 2B		Category III	Nonirritant	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 5- HZE		10%	Undiluted	Formulation	Solution			SCNM		Category I	SCNM	Severe	Gettings et al. (1996)
Surfactant Based Formulation 6- HZF		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)

Substance Name	CASRN	<i>In Vitro</i> Conc. Tested	<i>In Vivo</i> Conc. Tested	Chemical Class	<i>In Vivo</i> Physical Form Tested	pH	Property of Interest	<i>In Vivo</i> (GHS) Classification <sup>1</sup>	GHS Category 1 Subclass <sup>2</sup>	<i>In Vivo</i> (EPA) Classification <sup>3</sup>	<i>In Vivo</i> (EU) Classification <sup>4</sup>	<i>In Vitro</i> Classification (IS(B)) <sup>5</sup>	Reference
Surfactant Based Formulation 7- HZG		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 8- HZH		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 9-HZI		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 10- HZJ		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 11- HZK		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 12- HZL		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 13- HZM		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Slight	Gettings et al. (1996)
Surfactant Based Formulation 14- HZN		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 15- HZP		10%	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 16- HZQ		10%	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 17- HZR		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 18- HZZ		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 19- HZZ		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1996)
Surfactant Based Formulation 20- HZU		10%	Undiluted	Formulation	Solution			Category 2B		Category III	R36	Moderate	Gettings et al. (1996)

Substance Name	CASRN	In Vitro Conc. Tested	In Vivo Conc. Tested	Chemical Class	In Vivo Physical Form Tested	pH	Property of Interest	In Vivo (GHS) Classification <sup>1</sup>	GHS Category 1 Subclass <sup>2</sup>	In Vivo (EPA) Classification <sup>3</sup>	In Vivo (EU) Classification <sup>4</sup>	In Vitro Classification (IS(B)) <sup>5</sup>	Reference
Surfactant Based Formulation 21-HZV		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 22-HZW		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Moderate	Gettings et al. (1996)
Surfactant Based Formulation 23-HZX		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 24-HZY		10%	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1996)
Surfactant Based Formulation 25-HZZ		10%	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1996)
Tetraamino pyrimidine sulfate	5392-28-9	100%	100%	Amine, Heterocycle	Solid			Nonirritant		Category III	Nonirritant	Slight	Gilleron et al. (1996); Gilleron et al. (1997)
Thiourea	62-56-6	100%	100%	Organic sulfur compound	Solid						R36	Severe	Gilleron et al. (1996); Gilleron et al. (1997)
Toluene	108-88-3	100%	n.a.	Polycyclic compound	Liquid						Nonirritant	Severe	CEC (1991)
Toluene	108-88-3	100%	100%	Polycyclic compound	Liquid			Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Triacetin	102-76-1	10%	n.a.	Ester	Solution						Nonirritant	Slight	CEC (1991)
Triacetin	102-76-1	100%	n.a.	Ester	Liquid						Nonirritant	Slight	CEC (1991)
Tributyltin chloride	1461-22-9	10%	n.a.	Organometallic compound	Solution						R41	Severe	CEC (1991)
Tributyltin chloride	1461-22-9	100%	n.a.	Organometallic compound	Solid						R41	Moderate	CEC (1991)
Trichloroacetic acid	76-03-9	100%	30%	Carboxylic acid	Liquid			Nonirritant		Category III	Nonirritant	Severe	Gilleron et al. (1997)
Trichloroacetic acid	76-03-9	100%	3%	Carboxylic acid	Liquid			Category 1	4	Category I	R41	Severe	Gilleron et al. (1997)
1,2,3-Trichloropropane	96-18-4	100%	100%	Acyclic hydrocarbon	Liquid						Nonirritant	Moderate	Gilleron et al. (1996)
1,2,4-Trichloropropane	95-63-6	100%	100%	Cyclic hydrocarbon	Liquid						Nonirritant	Slight	Gilleron et al. (1996)
Triethanolamine	102-71-6	10%	n.a.	Amine, Alcohol	Solution						Nonirritant	Slight	CEC (1991)
Triethanolamine	102-71-6	100%	n.a.	Amine, Alcohol	Liquid						Nonirritant	Severe	CEC (1991)

Substance Name	CASRN	<i>In Vitro</i> Conc. Tested	<i>In Vivo</i> Conc. Tested	Chemical Class	<i>In Vivo</i> Physical Form Tested	pH	Property of Interest	<i>In Vivo</i> (GHS) Classification <sup>1</sup>	GHS Category 1 Subclass <sup>2</sup>	<i>In Vivo</i> (EPA) Classification <sup>3</sup>	<i>In Vivo</i> (EU) Classification <sup>4</sup>	<i>In Vitro</i> Classification (IS(B)) <sup>5</sup>	Reference
Triethanolamine	102-71-6	100%	100%	Amine, Alcohol	Liquid						Nonirritant	Severe	Gilleron et al. (1996)
Triton X-100	9002-93-1	Undiluted	5%	Ether	Liquid		Nonionic Surfactant	Category 2A/Category 2B		Category III	Nonirritant/R36	Severe	Gilleron et al. (1997)
Triton X-100	9002-93-1	Undiluted	10%	Ether	Liquid		Nonionic Surfactant	Category 1	4	Category II	SCNM	Severe	Gilleron et al. (1997)
Triton X-155	9010-44-0	100%	100%	Alcohol, Ether	Liquid		Nonionic Surfactant				Nonirritant	Slight	Gilleron et al. (1996)
Tween 20	9005-64-5	100%	100%	Ester, Ether	Liquid		Nonionic Surfactant	Nonirritant		Category III	Nonirritant	Severe	Vinardell and Macián (1994); Gilleron et al. (1997)

Abbreviations: CASRN = Chemical Abstracts Service Registry Number; Conc. = Concentration; EPA = U.S. Environmental Protection Agency; EU = European Union; GHS = Globally Harmonized System; n.a. = not applicable, SCNM - Study Criteria Not Met.

<sup>1</sup>Eye Irritant Category 1 = irreversible effects on the eye/serious damage to the eye; Category 2A = reversible effects on the eye/irritating to the eyes; Category 2B = reversible effects on the eye/mildly irritating to the eyes; Nonirritant = not an eye irritant

<sup>2</sup>NICEATM-defined subgroups assigned based on the lesions that drove classification of a GHS Category 1 substance. 1: based on lesions that are persistent; 2: based on lesions that are severe (not including corneal opacity score equal to 4); 3: based on lesions that are severe (not including corneal opacity score equal to 4) and persistent; 4: corneal opacity score equal to 4 at any time; NC: No subclassification could be made based on the data.

<sup>3</sup>Toxicity Category I for the Primary Eye Irritation Study = Corrosive, or corneal involvement or irritation not reversible within 21 days; Category II = Corneal involvement or irritation clearing in 8-21 days; Category III = Corneal involvement or irritation clearing in 7 days or less; Category IV = Minimal effects clearing within 24 hr.

<sup>4</sup>Risk phrase R41 = risk of serious damage to the eyes; R36 = irritating to the eyes; nonirritant = not an eye irritant.

<sup>5</sup>IS(B) represents irritation scores that were calculated using the method described in Kalweit et al. (1987).