

Substance	CASRN	Form Tested	Testing Lab	Maximum Corneal Opacity		Maximum Fluorescein Uptake	
				Cloudiness	Area	Intensity	Area
Acetanilide (F22)	NA	Solid	GSK	0	0	0	0
Acetone (F33)	67-64-1	Liquid	GSK	2	3	3	4
Acetophenone (F27)	98-86-2	Solid	GSK	0	0	0	0
Dimethyl carbonate (F30)	616-38-6	Solid	GSK	0	0	0	0
Allyl alcohol (F34)	107-18-6	Liquid	GSK	3	3	4	4
Ammonium nitrate (F36)	6484-52-2	Solid	GSK	0	0	0	0
di-Isopropyl aminoethyl-diphenyl acetamide (F15)	NA	Solid	GSK	0	0	0	0
3,4-Dimethoxybenzaldehyde (F19)	NA	Solid	GSK	0	0	0	0
5-Chloro-N-[4-methoxy-3-(1-piperazinyl)phenyl]-3-methylbenzo[B]thiophene-2-sulfonamide monohydrochloride (F4)	NA	Solid	GSK	2	3	2	1
2,6-Dichlorobenzenesulfonyl chloride (F1)	NA	Solid	GSK	3	4	2	3
(S)-1-Phenyl-N-propylamine (F13)	NA	Liquid	GSK	2	4	2	4
n-Butanol (F35)	71-36-3	Liquid	GSK	3	4	3	4
n-Butyl acetate (F39)	123-86-4	Liquid	GSK	1	3	2	1
gamma-(Aminocarbonyl)-N-methyl-N,N-bis(1-methylethyl)-gamma-phenyl-, iodide (F14)	NA	Solid	GSK	0	0	0	0
Cetylpyridium bromide (F37)	140-72-7	Solid	GSK	2	3	3	3
3,4-Dichloroaniline hydrochloride (F11)	NA	Solid	GSK	4	4	3	4
Sodium dicyanamide (F3)	NA	Solid	GSK	2	3	2	2
Isopropyl dicyanamide (F9)	35695-36-4	Solid	GSK	3	4	3	4
Glycerol (F41)	56-81-5	Liquid	GSK	0	0	0	0
1-(3,4-Dichlorophenyl)-5-isopropylbiguanide HCl (F6)	537-21-3	Solid	GSK	2	3	4	2

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2-(4-Oxopentyl)-1H-isoindole-1,3 (2H)-dione (F26)	3197-25-9	Solid	GSK	0	0	1	3
4,4'-Methylenebis-(2,6-di-tert-butylphenol) (F43)	118-82-3	Solid	GSK	0	0	0	0
1H-Indole-2,3-dione (F28)	91-56-5	Solid	GSK	0	0	0	0
Methyl ethyl ketone (F38)	78-93-3	Liquid	GSK	3	4	4	3
1-(5-Amino-2-methoxyphenyl) piperazine hydrochloride (F20)	NA	Solid	GSK	2	2	2	2
1-(2-Methoxyphenyl)piperazine hydrogen sulfate (F2)	NA	Solid	GSK	1	4	1	4
Polyethylene glycol 400 (F44)	25322-68-3	Liquid	GSK	0	0	0	0
Propylene glycol (F42)	57-55-6	Liquid	GSK	0	0	0	0
Iodine chloride with pyridine (1:1) (F10)	6443-90-9	Solid	GSK	2	2	2	3
tetra-N-Octylammonium bromide (F8)	14866-33-2	Solid	GSK	2	4	4	4
3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid (F24)	485-89-2	Solid	GSK	0	0	0	0
Sodium hydroxide (F31)	1310-73-2	Liquid	GSK	4	4	4	4
2-Nitro-4-thio-N-propylaniline (F21)	54393-89-4	Solid	GSK	0	0	1	4
2-Nitro-4-propoxyaniline (F23)	NA	Solid	GSK	0	0	1	3
2-Nitro-4-thiocyananiline (F7)	54029-45-7	Solid	GSK	0	0	2	2
Mebrophen hydramine HCl (F5)	13977-28-1	Solid	GSK	2	4	3	4
4,4'-Pyridylpiperidine (F12)	NA	Solid	GSK	4	4	4	3

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2,6-Dichloro-5-fluoro-beta-oxo-3-pyridinepropanoate (F16)	96568-04-6	Solid	GSK	0	0	0	0
6-(Methylamino)-2-pyridine ethanol formate (1:1) (salt) (F17)	NA	Solid	GSK	1	4	0	0
3-((Benzylthio)methyl)-6-chloro-,1,1-dioxide (F29)	NA	Solid	GSK	0	0	0	0
4,4'-Sulfonylbisbenzenamine (F25)	NA	Solid	GSK	0	0	0	0
Sulfonyl chloride #18	80-08-0	Solid	GSK	1	2	1	2
Toluene (F40)	108-88-3	Liquid	GSK	0	0	0	0
Trichloroacetic acid (F32)	76-03-9	Liquid	GSK	4	4	4	4

NA = Not Applicable; GSK = GlaxoSmithKline

Substance	Mean Corneal Swelling (Hr)				Corneal Epithelial Observations	In Vitro Irritancy Classification
	1	2	3	4		
Acetanilide (F22)	3.2	1.4	1.5	2.6	Normal	Nonsevere Irritant
Acetone (F33)	19.3	24.5	39.0	49.6	Loosening/roughening of epithelium	Severe Irritant
Acetophenone (F27)	6.1	3.4	2.0	2.5	Residual test material present	Nonsevere Irritant
Dimethyl carbonate (F30)	16.6	22.8	30.7	39.4	Slight pitting	Severe Irritant
Allyl alcohol (F34)	41.0	56.1	68.5	77.2	Pitting, sloughing	Severe Irritant
Ammonium nitrate (F36)	10.5	12.2	NA	15.0	Normal	Nonsevere Irritant
di-Isopropyl aminoethyl diphenyl acetamide (F15)	6.3	6.9	6.6	7.6	Normal	Nonsevere Irritant
3,4-Dimethoxybenzaldehyde (F19)	7.2	13.0	16.5	17.4	Normal	Nonsevere Irritant
5-Chloro-N-[4-methoxy-3-(1-piperazinyl)phenyl]-3-methylbenzo[B]thiophene-2-sulfonamide monohydrochloride (F4)	3.2	4.8	4.0	7.6	Residual test material present	Severe Irritant
2,6-Dichlorobenzenesulfonyl chloride (F1)	21.8	30.4	39.5	45.4	Residual test material present	Severe Irritant
(S)-1-Phenyl-N-propylamine (F13)	20.3	75.4	80.5	98.2	Cloudy, pitted	Severe Irritant
n-Butanol (F35)	54.6	68.3	81.4	91.8	Pitting, loosening of epithelium	Severe Irritant
n-Butyl acetate (F39)	18.5	17.2	21.5	30.1	Normal	Severe Irritant
gamma-(Aminocarbonyl)-N-methyl-N,N-bis(1-methylethyl)-gamma-phenyl-, iodide (F14)	7.3	4.8	5.2	5.9	Normal	Nonsevere Irritant
Cetylpyridium bromide (F37)	49.0	48.8	61.0	31.1+	Loosening of epithelium	Severe Irritant
3,4-Dichloroaniline hydrochloride (F11)	51.4	98.0	112.6	118.2	Mottled, residual test material, smooth cloudy appearance	Severe Irritant
Sodium dicyanamide (F3)	40.7	58.7	64.3	71.0	Sloughing	Severe Irritant
Isopropyl dicyanamide (F9)	31.8	43.6	53.0	62.2	Mottled, sloughing	Severe Irritant
Glycerol (F41)	13.1	15.5	16.5	21.4	Normal	Nonsevere Irritant
1-(3,4-Dichlorophenyl)-5-isopropylbiguanide HCl (F6)	13.2	21.7	27.0	27.7	Sloughing	Severe Irritant

Substance	Mean Corneal Swelling (Hr)				Corneal Epithelial Observations	In Vitro Irritancy Classification
	1	2	3	4		
2-(4-Oxopentyl)-1H-isoindole-1,3 (2H)-dione (F26)	5.9	9.8	10.9	14.8	Residual test material present	Nonsevere Irritant
4,4'-Methylenebis-(2,6-di-tert-butylphenol) (F43)	9.4	12.3	12.8	15.1	Normal	Nonsevere Irritant
1H-Indole-2,3-dione (F28)	1.3	0.2	0.4	2.0	Normal	Nonsevere Irritant
Methyl ethyl ketone (F38)	34.8	62.6	85.6	104.7	Loosening of epithelium	Severe Irritant
1-(5-Amino-2-methoxyphenyl) piperazine hydrochloride (F20)	12.4	12.0	19.1	22.4	Mottled Appearance	Severe Irritant
1-(2-Methoxyphenyl)piperazine hydrogen sulfate (F2)	9.3	14.1	15.7	20.0	Normal	Severe Irritant
Polyethylene glycol 400 (F44)	12.7	13.4	16.9	17.8	Normal	Nonsevere Irritant
Propylene glycol (F42)	10.1	10.2	10.8	16.3	Normal	Nonsevere Irritant
Iodine chloride with pyridine (1:1) (F10)	16.6	23.6	28.4	25.4	Normal	Severe Irritant
tetra-N-Octylammonium bromide (F8)	22.2	74.7	83.9	109.9	Pitting/Sloughing	Severe Irritant
3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid (F24)	2.4	3.7	5.0	7.1	Residual test material present	Nonsevere Irritant
Sodium hydroxide (F31)	110.5	NA	NA	NA	Rippling, loosening of epithelium	Severe Irritant
2-Nitro-4-thio-N-propylaniline (F21)	17.6	22.5	28.3	31.5	Normal	Severe Irritant
2-Nitro-4-propoxyaniline (F23)	4.8	5.6	3.4	6.8	Residual test material adhered to cornea	Nonsevere Irritant
2-Nitro-4-thiocyananiline (F7)	6.6	8.1	9.3	7.4	Residual test material adhered to cornea, pitting	Severe Irritant
Mebrophen hydramine HCl (F5)	58.8	79.6	99.2	113.0	Mottled Appearance	Severe Irritant
4,4'-Pyridylpiperidine (F12)	111.5	117.5	83.9	101.1	Sloughing/mottled	Severe Irritant

Substance	Mean Corneal Swelling (Hr)				Corneal Epithelial Observations	In Vitro Irritancy Classification
	1	2	3	4		
2,6-Dichloro-5-fluoro-beta-oxo-3-pyridinepropanoate (F16)	4.6	4.9	4.7	2.7	Normal	Nonsevere Irritant
6-(Methylamino)-2-pyridine ethanol formate (1:1) (salt) (F17)	4.5	4.9	4.3	2.5	Normal	Severe Irritant
3-((Benzylthio)methyl)-6-chloro-,1,1-dioxide (F29)	1.5	1.4	1.5	2.0	Normal	Nonsevere Irritant
4,4'-Sulfonylbisbenzenamine (F25)	2.9	2.7	3.2	4.4	Normal	Nonsevere Irritant
Sulfonyl chloride #18	8.6	12.9	14.2	14.9	Residual test material present	Nonsevere Irritant
Toluene (F40)	7.4	9.8	13.4	14.6	Normal	Nonsevere Irritant
Trichloroacetic acid (F32)	12.2	21.1	38.2	54.1	Roughening of epithelium	Severe Irritant

NA = Not Applicable; GSK =