

Table 1 Chemicals

1: NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
Abies alba (cone) oil		20% pet (11) 2% pet (7)			see Note A
Abies alba (needle) oil	Abies alba leaf oil (INCI)	20% pet (11) 2% pet (7)			see Note A
Abies balsamea (balsam Canada) resin	see Balsam Canada				
Abietic acid		10% pet (8,15)	7	+	contact urticaria: refs 8,15. Brial , Chemo, Trolab
Abieto-formo-phenolic resin		2% pet (6)			
Abietyl alcohol		5% pet (2) 1% pet (7)		+	
Abitol ®	see Hydroabietyl alcohol				
Acacia	gum arabic, Acacia Senegal gum (INCI)	50% aqua (6,15)	10	+	
Acacia Senegal gum	see Acacia				
Acamelin		1% pet (9)			
Acebutolol hydrochloride		2% pet (15)	19		Brial
Aceclofenac		1% pet (8) 10% pet (6) 5% pet (141)	22		photosensitivity: ref 6. fixed drug eruption with positive patch test: ref 334
Acediasulfone		5% pet (25)	23		
Acephate		0.1% pet (456)	31		no controls mentioned
acetal	see Acetaldehyde diethyl acetal				
Acetaldehyde	ethanal ethylaldehyde	1% aqua (18)	39	+	contact urticaria at 10%: ref 17.
Acetaldehyde diethyl	Acetal (MI)	10% pet (11)	38		see Note A

Table 1 Chemicals (cont.)

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acetal					
Acetaldehyde ethyl cis-3-hexenyl acetal		10% pet (4)			see Note A
Acetaldehyde ethyl trans-3-hexenyl acetal		5% pet (11)			see Note A
Acetaldehyde ethyl hexyl acetal		5% pet (4)			see Note A
Acetaldehyde ethyl isoeugenyl acetal		10% pet (4)			see Note A
Acetaldehyde ethyl linalyl acetal		6% pet (4)			see Note A
Acetaldehyde ethyl phenylethyl acetal	ethyl phenethyl acetal (INCI)	5% pet (14)		+	see Note A
acetaldehyde 2- phenyl-2,4- pentanediol acetal	see Floropal ®				
Acetamidocaproic acid zinc salt ε-	zinc acexamate	5% aqua (8)	45		drug eruption with positive patch test: ref 8
Acetaminophen	paracetamol	10% pet (20)	47		drug eruption with positive patch test: ref 525. Brial
Acetanilide	phenylacetamide N- acetanilide (INCI)	5% pet (6)	50	+	
acetanisole	see Methoxyaceto- phenone p-				
acetarsol	see Acetarstone				
Acetarstone	acetarsol	1% pet (6)	52		
Acetate C- 7	heptyl acetate n-	8% pet (11)			see Note A
acetate C- 8	see Octyl acetate				
Acetate C- 9	nonyl acetate n- (MI)	2% pet (11)	6678		see Note A
Acetate C-10	decyl acetate	8% pet (11)			see Note A

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Acetate C-11	undecenyl acetate	8% pet (11)			see Note A
Acetate C-12	dodecyl acetate n- lauryl acetate	20% pet (11)			see Note A
Acetic acid		3% aqua (6) 2% aqua (222)	55	+	
acetic ether	see Ethyl acetate				
Acetoin	hydroxy-2-butanone 3-	10% pet (11)	64		see Note A
Acetone		10% oo (6,7,15)	66	+	
acetophenetidin	see Phenacetin				
Acetophenone	methyl phenyl ketone	2% pet (11)	73	+	see Note A
Acetoxycyclohexanone oxime 2-		0.1%-0.5%-1% acet/aqua aa (179) 1% pet (6)			12 controls were negative
acetoxy-2,4-dimethyl- m-dioxane 6-	see Dimethoxane				
Acetoxy-3- ethoxybenzaldehyde	ethyl vanillin acetate	4% pet (14)			see Note A
Acetoxy-1-ethynyl-2- sec-butylcyclohexane 1-		14% pet (14)			see Note A
Acetoxy-3-pentyltetra- hydropyran 4-		10% pet (14)			see Note A
Acetulan ®	see Acetylated lanolin alcohols				
Acetylacetone	- pentanedione 2,4- - diacetyl methane	50% aqua (242)	81		contact urticaria: ref 242. the test concentration is slightly irritant
Acetylated lanolin		30% pet (3,7)	5358		
Acetylated lanolin alcohols	Acetulan ®	30% pet (3)	5359	+	
Acetyl-6-tert-butyl- 1,1-dimethyl-indan 4-	Celestolide ®	4% pet (11)			see Note A

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Acetylbutyryl	- hexanedione 2,3- - methyl propyl diketone	4% pet (11)			see Note A
Acetyl carene		10% pet (11) 1%-5% pet (15)			see Note A
Acetyl cedrene		30% pet (11)			see Note A
Acetyl cysteine		10% aqua (6)	88	+	
acetylethyltetramethyl tetralin	see AETT				
Acetyl-1,1,2,3,3,6- hexamethyl-indan 5-	Phantolide ®	4% pet (11) 3% pet (15)			see Note A. photosensitivity: ref 11
Acetyl isovaleryl		5% pet (12)			see Note A
Acetyl-1,2,3,4,5,6,7,8- octahydro-1,1,6,7- tetramethyl naphtha- lene 7-	Iso E super ®	5% pet (181)			
Acetyl peroxide		0.5% acet (6) 1% pet (6)			
Acetyl-2-phenyl- hydrazine 1-		1% pet (6)			20 controls were negative
Acetylpropionyl	pentanedione 2,3-	4% pet (11)			see Note A
acetylsalicylic acid	see Aspirin				
acetylsulfanilamide N-	see Sulfacetamide				
Achillea millefolium extract	yarrow extract	1% pet (8,15, 675)	105	+	Chemo. present in the 'Compositae mix'
Acid black 1	CI 20470 (INCI)	1% aqua (76) 2% aqua (462)		+	see Note B
acid black 2	see Nigrosine GF				
Acid black 48	CI 65005	1% pet (5,8)			
Acid black 63		1% pet (22)			
Acid black 131		1% pet (76)		+	see Note B

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NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
acid blue 1	see Sulphan blue				
Acid blue 3	- CI 42051 (INCI) - patent blue V	1% pet (22) 2% pet (462)		+	Brial (0.25% coca/glyc)
acid blue 9	see Brilliant blue FCF				
acid blue 20	see Aniline blue 2B				
acid blue 74	see Indigo carmine				
Acid blue 113		5% pet (89)			
Acid green 1	CI 10020 (INCI)	1% aqua (76)		+	see Note B
acid green 25	see Alizarin cyanine green F				
acid orange 7	see Orange II				
acid orange 11	see Dibromofluo- rescein 4',5'-				
Acid orange 24	- CI 20170 - brown 1 (INCI)	1% pet (76)		+	see Note B
acid orange 52	see Methyl orange				
Acid red 1		5% pet (89)			
acid red 2	see Methyl red				
Acid red 14	- CI 14720 (INCI) - azorubin	2% pet (462) 5% aqua (76) 1% pet (22)		+	Brial (0.1% alc). see Note B
acid red 27	see Amaranth				
acid red 33	see CI 17200				
acid red 51	see Erythrosine				
Acid red 52	CI 45100 (INCI)	2% pet (462)		+	
Acid red 85	CI 22245	2% pet (125)			no controls mentioned
acid red 87	see Eosine YS				
Acid red 92, aluminum lake	- D&C red no.27 - CI 45410	20% aqua (7)			
Acid red 92,	- D&C red no.27	20% aqua (7)			

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NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
zirconium lake	- CI 45410				
acid red 94	see Rose Bengal				
Acid red 118		5% pet (8)			Chemo
Acid red 359		5% pet (8)			Chemo
acid triglyceride, C18-36	see C18-36 Acid triglyceride				
Acid violet 17		1% pet (8,22)			
Acid violet 43	CI 60730 (INCI)	2% pet (462)		+	
acid yellow 3	see Quinoline yellow				
Acid yellow 9	CI 13015 (INCI)	1% aqua (76)			see Note B
acid yellow 17	see CI 18965				
acid yellow 23	see Tartrazine				
acid yellow 36	see Metanil yellow				
Acid yellow 61	CI 18968	5% pet (15)			Chemo
acid yellow 73	see Fluorescein (sodium)				
acorus calamus	see Calamus oil				
Acridine		1% pet (6)	122		photosensitivity: ref 6
Acriflavine		0.1% pet (5,22) 1% pet (6) 0,1%-1% pet (15)	123		photosensitivity: ref 15
Acrolein	- acrylic aldehyde - propenal 2-	0.5% alc (10)	128		
Acrylamide	propenamamide	0.1% pet (5) 1% pet (15)	129		patch test sensitization at 1%: ref 198
Acrylamide/sodium acrylate copolymer		1% pet (76)		+	see Note B
Acrylated aliphatic polyurethane		0.1% pet (15)			
Acrylates copolymer		1% pet (76)			see Note B

Table 1 Chemicals (cont.)

NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
Acrylic acid		0.1% pet (2)	130		contact urticaria: ref 217
acrylic aldehyde	see Acrolein				
Acrylonitrile		1% pet (2,22) 0.1% pet (5,6,15)	131		
Actarit		1% pet (8)	133		photosensitive drug eruption with positive photopatch test: ref 8
Acticide BG ®	see Chlorohydroxy- 3,6,8,11,14-pentaoxa- hexadecane 1-				
Actidione ®	see Cycloheximide				
Acyclovir		5% prop glyc/alc (7) 1% pet (6) 5% pet (8)	146		fixed drug eruption with positive patch test: ref 8
adeps lanae	see Lanolin				
Adipic acid	hexanedioic acid	1% alc (509)	162	+	'controls' were negative
adrenalin	see Epinephrine				
Aesculus hippo- castanum	see Horse chestnut extract <i>and</i> Escin				
AETT	- acetylethyltetrame- thyltetralin - Versalide ® (MI)	4% pet (11)	9965		see Note A
Agroxone ®	see MCPA				
Alachlor	Lasso ®	1% pet (9,15,18) 0.1% aqua or 1% pet (8); 0.2% aqua (86)	201		patch test sensitization at 0.2% aqua: ref 86
Alanine		2% pet (3)	204	+	
Alantolactone	helenin	0.1% pet (6,15)	207		contact urticaria: ref 7 patch test sensitization: ref 7. photosensitivity: ref 132. Chemo, Trolab (present [0.033% pet])

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NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
					in the 'Sesquiterpene lactone mix')
Alantroot oil	- elecampane oil - oil of Inula (MI)	4% pet (11)	5003		see Note A. patch test sensitization due to alantolactone: ref 7
Albendazole		1%-5% pet (15)	210		contact urticaria: ref 15
albuterol sulfate	see Salbutamol sulfate				
Alchemilla vulgaris extract	lady's mantle extract	5% aqua (76)		+	see Note B
Alclofenac		2% and 5% pet (7)	219		3 controls were nega- tive
Alclometasone-17,21- dipropionate		1% pet (7,53) 1% alc (8)	220		Chemo (1% pet)
Alcloxa	aluminum chlorohy- droxy allantoinate	1% aqua (76)		+	see Note B
alcohol, anhydrous	see Ethyl alcohol				
alcohol, denatured	see Ethyl alcohol, denatured				
Alcohol C- 6	- hexyl alcohol (INCI) - hexanol 1- (MI)	1% pet (11)	4697	+	see Note A
Alcohol C- 7	- heptyl alcohol n- - heptanol 1- (MI)	1% pet (11)	4661		see Note A
Alcohol C- 8	- caprylic alcohol (INCI) - octyl alcohol - octanol 1- (MI)	2% pet (11) pure ? (7) 20% pet (6)	6751	+	see Note A
Alcohol C- 9	- nonyl alcohol n- (MI) - nonanol 1-	2% pet (11) pure ? (7)	6679		see Note A
Alcohol C-10	- decyl alcohol (INCI, MI) - decanol 1-	3% pet (11) 5% pet (6,7)	2855		see Note A

Table 1 Chemicals (cont.)

NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
Alcohol C-11	undecylenic alcohol	1% pet (11)			see Note A
Alcohol C-11 undecylenic		4% pet (11)			see Note A
Alcohol C-12	- lauryl alcohol (INCI) - dodecyl alcohol - dodecanol 1- (MI)	4% pet (11) 20% pet (6)	3405	+	see Note A
Alcohol C-14 myristic	myristyl alcohol (INCI, MI)	12% pet (11) 5% pet (6,7,8,15) 20% pet (7)	6335	+	see Note A. irritant reactions at 10% pet: ref 45. TEST ADVICE: 5% pet (148)
Aldehyde C- 6	- caproic aldehyde (MI) - hexaldehyde - hexanal (INCI)	1% pet (11)	1760	+	see Note A
Aldehyde C- 7	- heptaldehyde n- - heptanal (MI)	4% pet (11) pure ? (7)	4658		see Note A
Aldehyde C- 7 dimethyl acetal		8% pet (11)			see Note A
Aldehyde C- 8	- caprylic aldehyde (MI) - octyl aldehyde	0.25% alc (11)	1766		see Note A
Aldehyde C- 9	- nonanal 1- - pelargonic aldehyde	1% pet (11) pure ? (7)			see Note A
Aldehyde C-10	- decyl aldehyde - capric aldehyde - decanal (INCI)	pure (11)		+	see Note A
aldehyde C-10 di- methylacetal	see Decanal dimethylacetal				
Aldehyde C-11 un- decylenic	- undecylenaldehyde - hendecenal - undecylenal (INCI)	10% isopr palm (4) 1% pet (11)		+	see Note A
Aldehyde C-11 un- decylic	undecanal	5% pet (11)			see Note A
Aldehyde C-12 lauric	- lauryl aldehyde - dodecylic aldehyde - n- lauraldehyde	1% pet (11)		+	see Note A

Table 1 Chemicals (cont.)

NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
	(INCI)				
Aldehyde C-12	- methyl n-nonyl - acetaldehyde - MNA	4% pet (11)			see Note A
aldehyde C-14	see Undecalactone γ-				
Aldehyde C-14 myristic	myristic aldehyde	1% pet (11)			see Note A
aldehyde C-16	see Ethyl methyl- phenylglycidate				
aldehyde C-18	see Nonalactone γ-				
Aldioxa	aluminum dihydroxy allantoinate	1% aqua (76)		+	see Note B
Aldonaphthylamine		1% pet (1)			
Aldrin		1% pet (9)	226		
Alendronate		50% pet and aqua (323)	229		test concentration is irritant (323)
Ale oil		20% pet (11)			see Note A
Algin	sodium alginate	pure (6)	241	+	Brial (1% coca)
alimemazine	see Trimeprazine				
Alizarin	- CI 58000 (INCI) - dihydroxyanthra- quinone 1,2- - pigment red 83 (INCI)	pure (6)	251	+	test concentration seems excessively high
Alizarin cyanine green F	- CI 61570 (INCI) - Acid green 25 (INCI)	2% pet (462)	252	+	
Alizarin 3-sulfate	- CI 58005 - dihydroxyanthraqui- none-3-sulfonate 1,2-	10% aqua (6)			
alkyl ammonium ami- dobenzoate	see Osmaron B ®				
Alkyldiaminoethylgly- cine hydrochloride		0.01% aqua (6) 0.1%-0.5% aqua			5 controls were negative (432)

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NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
		(432)			
Alkyl ethoxy sulfate		1% pet (6)			
Alkylglycidyl ether C12/C14		0.25% pet (388)			
Alkyl phenoxy poly- ethoxyethanol		2% aqua (6)			
Allantoin		0.5% aqua (6,8,15) 5% pet (76)	258	+	see Note B. contact urticaria: ref 15
Allantoin PABA	alpaba	5% pet (7)		+	
allemão	see Astronium urundeuva				
Allicin		1% pet (18,23)	261		
Allidochlor	see CDAA				
allo-ocimene	see Dimethyl-2,4,6- octatriene 2,6-				
Allo-ocimenol		8% pet (11)			see Note A
Allopurinol		0.01% pet (15)	279		
Allura red AC	see Red 40				
Allyl alcohol		10% alc (10)	286		
allylanisole p-	see Methyl chavicol				
Allyl butyrate		<4% pet (11)			see Note A. irritant reactions at 4% pet: ref 11
Allyl caproate	allyl hexanoate	4% pet (11)		+	see Note A
Allyl caprylate	allyl octanoate	4% pet (11)			see Note A
Allyl cinnamate		<0.1% pet (11)			see Note A. irritant re- actions at 0.1% pet: ref 11
Allyl cyclohexylacetate		<4% pet (11)			see Note A. irritant reactions at 4% pet: ref 11
Allyl cyclohexyl-		4% pet (11)			see Note A

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NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
propionate					
allyl-2,5-dimethoxy- 3,4-methyleendioxy- benzol 1-	see Apiol				
Allylepoxypropoxy- benzene		0.25%-1% aqua (169)			very great risk of patch test sensitization at these concentrations
Allyl glycidyl ether		0.25% MEK (1,2,5,6,10) 0.25% acet (9) 0,05%-0,5% acet or pet (15)			
Allyl heptylate		2% pet (11)			see Note A
allyl hexanoate	see Allyl caproate				
Allyl- α -ionone		10% pet (11)			see Note A
allylisopropylacetylure a	see Apronalide				
Allyl isothiocyanate	mustard oil	0.1% pet (5,6,9)	295		contact urticaria to mustard: ref 8. the test concentration may be too low (397)
Allyl isovalerate		1% pet (11)			see Note A
allyl-1,2-methylene- dioxybenzene 4-	see Safrole				
allyl octanoate	see Allyl caprylate				
allylphenol p-	see Chavicol				
Allyl phenoxyacetate		1% pet (6,11)			see Note A
Allyl phenylacetate		<1.5% pet (11)			see Note A. irritant reactions at 1.5% pet: ref 11. patch test sensitization: ref 11
allyl sulfide	see Diallyl sulfide				
allylthiocarbamide	see Thiosinamine				

Table 1 Chemicals (cont.)

NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
allyl thiourea	see Thiosinamine				
Allyl trimethyl- hexanoate		4% pet (12)			see Note A
Almond oil bitter	- oil of almond (MI) - Prunus amygdalus amara (bitter almond) kernel oil (INCI)	4% pet (11) 10% oo (1,6) pure (6)	6777	+	see Note A
Almond oil sweet	- oil of sweet almond (MI) - Prunus amygdalus dulcis (sweet almond) oil (INCI)	4% pet (11) pure (6)	6813	+	see Note A
Aloe extract	Aloe barbadensis (INCI)	10% alc (76) 10% pet (6)	305	+	see Note B
alpaba	see Allantoin PABA				
Alpinia galangea		powder from fresh and fried plant, 2% and 10% pet (606)			no controls mentioned. see also table 4.3
Alprenolol		0.1%-1% aqua (15,18) 2% aqua (6)	313		
Alstroemeria		alcoholic and ketonic extracts, 1% pet (677)			no controls performed. see also table 4.3
Althiazide		10% pet or aqua (8)	318		photosensitive drug eruption with positive photopatch test: ref 8
alum	see Aluminum potas- sium sulfate dodeca- hydrate				
alumina	see Aluminum oxide				
Aluminium	see Aluminum (metal)				
Aluminum acetate solution	- Burow's solution - aluminum acetate (INCI)	10% aqua (6) 1-5% aqua (7) 1% aqua (22)	324	+	
Aluminum aceto-		1% aqua (22)	325		

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NAME	2: SYNONYMS/ OTHER NAMES	3: TEST CONC. & VEH./ REFERENCE	4	5	6: COMMENTS
tartrate					
Aluminum chloride		2% aqua (6,143)	337	+	do not test. explosive with water (22)
Aluminum chloride hexahydrate	Aluminium chloride (INCI)	2% pet (15)	337	+	Chemo (2% pet)
aluminum chlorohydrate	see Aluminum hydroxychloride				
aluminum chlorohydroxy allantoinate	see Alcloxa				
aluminum diacetate	see Aluminum hydroxydiacetate				
aluminum dihydroxy allantoinate	see Aldioxa				
Aluminum hydroxychloride	aluminum chlorohydrate (INCI)	10% aqua (6) 2% aqua (22)	343	+	
Aluminum hydroxydiacetate	- aluminum diacetate (INCI) - aluminum subacetate	1% aqua (143)	344	+	
Aluminum magnesium silicate	magnesium aluminium silicate (INCI)	5% aqua (76)	350	+	see Note B
Aluminum phenolsulfonate	aluminum sulfo-carbolate	2% aqua (6)		+	
Aluminum oxide	- CI 77002 - alumina	2% pet (76)	356		see Note B
Aluminum potassium sulfate dodecahydrate	- alum - potassium alum (INCI)	10% aqua (6)	360	+	
Aluminum (metal)		pure (6,53)	321	+	Chemo
Aluminum powder	CI 77000 (INCI)	2% aqua (3) pure (6,7)		+	TEST ADVICE: pure
aluminum silicate	see Kaolin				
Aluminum sodium sulfate	sodium alum (INCI)	10% aqua (6)	363	+	

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dodecahydrate					
Aluminum starch octenylsuccinate		1% mo (76)		+	see Note B
Aluminum stearate	aluminum tristearate	5% pet (76)	364	+	see Note B
aluminum subacetate	see Aluminum hydroxydiacetate				
Aluminum sulfate		2% aqua (6,143)	366	+	
aluminum sulfo- carbolate	see Aluminum phenolsulfonate				
aluminum tristearate	see Aluminum stearate				
Amalgam		amalgam alloying metals, 20% pet (8,15)			Brial (amalgam non gamma 5%), Trolab
Amantadine		pure (7) 1% pet (22)	374		drug eruption with positive photopatch test: ref 7.
Amaranth	- acid red 27 (INCI) - CI 16185 (INCI)	20% aqua (7) 1% pet (22) 0.1% aqua (15)	375		Brial (0.1% coca/glyc)
Amaranth pink		5% pet (6)			
Ambergris tincture		30% pet (11)	381		see Note A
Ambrettolide	oxacycloheptadec-10- en-2-one	5% pet (181)			
Ambrosia artemisiifolia L.		diethyl ether extract, 1% acet (614)			5 controls were negative. see also table 4.3
Ambrosia deltoidea	triangle-leaf bursage	oleoresin material from ether extracts (conc?)			10 controls were negative. see also table 4.3
Ambrosin		0.1% w/w pet (180) 0.3% alc 96% (184)	385		no controls mentioned (180). 3 controls were nega- tive (184)
Ambroxol hydrochloride		0.5% aqua (7)	386		