

Important information

Information's were mostly provided by various raw material manufacturers.

These values are based solely on *laboratory tests* with *raw materials*.

Plastic components produced from these *raw materials* are frequently subject to influences that cannot be recognized in laboratory tests (production process, temperature, pressure, material stress, effects of chemicals, chemical mixtures, etc.).

For this reason the values given are *only to be regarded as being guidelines*.

In critical cases it is *essential that a test is carried out first*.

No legal claims can be derived from this information; nor do we accept any liability for it.

A knowledge of the chemical and mechanical resistance alone is not sufficient for the evaluation of the usability of a product.

Sources

The following tables "Chemical resistance of plastics" as well as the information about chemical resistance given in the particular product descriptions have been partially extracted from tables established by company Bürkle GmbH ,other sources and laboratory-tests driven by Knappe Composites SAS.

Chemical resistance

Two values are given per substance

left number = value at +20°C / right number = value at +50°C.

0 no data available

1 resistant

2 practically resistant

3 partially resistant

4 not resistant

K no general information available

L danger of pitting or stress-cracking corrosion

() estimated value

Hazard notes

E explosive

O oxidizing

F highly flammable

F+ extremely flammable

T toxic

T+ very toxic

C corrosive

Xn harmful

Xi irritant

N dangerous for the environment

Description of the materials

Thermoplastics

HDPE Polyethylene (high density)

LDPE Polyethylene (low density)

PA Polyamide (Nylon)

PC Polycarbonate

PETG Polyethylene terephthalate glycol (PET copolymer)

PMP Polymethylpentene (TPX)

POM Polyoxymethylene, polyacetal

PP Polypropylene

PS Polystyrene

PSU Polysulfone

PVC Polyvinyl chloride

SAN Styrene-acrylnitrile

Fluoroplastics

E-CTFE Ethylene-chlorotrifluoroethylene (Halar)

ETFE Ethylene-tetrafluoroethylene

FEP Tetrafluoroethylene-perfluoropropylene (Teflon, FEP)

PTFE Polytetrafluoroethylene (Teflon)

PVDF Polyvinylidene fluoride

Elastomers

EPDM Ethylene-propylene-diene rubber

FPM/FKM Fluorinated rubber (Viton)

NBR Acryl-nitrile-butadiene rubber

SI Silicone rubber

Metals

Al Aluminium

V2A Stainless steel 1.4301 (AISI 304)

V4A Stainless steel 1.4401 (AISI 316)

Hastelloy C Nickel-chromium-molybdenum alloy

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Acetaldehyde	C2H4O	000075-07-0	40%	3/4	4/4	4/4	3/0	(1)	(1)	Acetic aldehyde; Ethanal; Ethyl aldehyde	1
Acetaldehyde	C2H4O	000075-07-0	techn pure	3/4	4/4	4/4	3/0	(1)	(1)		2
Acetamide	C2H5NO	000060-35-5	saturated	1/1	1/1	4/4	1/0	(1)	(1)		3
Acetic acid	C2H4O2	000064-19-7	50%	1/1	2/2	1/2	4/4	1/1	1/1		4
Acetic acid	C2H4O2	000064-19-7	100%	1/3	0/0	0/0	4/4	1/2	1/2		5
Acetic acid	C2H4O2	000064-19-7	90%	1/2	4/4	1/2	4/4	1/2	1/2		6
Acetic acid	C2H4O2	000064-19-7	10%	1/1	1/1	1/3	(2)	1/1	1/1		7
Acetic acid	C2H4O2	000064-19-7	5%	1/1	1/1	1/1	1/0	1/2	1/1		8
Acetic acid chloride	->see: Acetyl chloride										9
Acetic acid sodium salt	-> see: Sodium acetate										10
Acetic aldehyde	-> see: Acetaldehyde										11
Acetic anhydride	C4H6O3	000108-24-7	techn pure	1/3	4/4	4/4	3/0	1/1	1/1		12
Acetic chloride	-> see: Acetyl chloride										13
Acetone	C3H6O	000067-64-1	F,Xi	1/3	4/4	4/4	1/0	1/1	1/1	Propanone, 2-; Dimethyl ketone; Methyl ketone	14
Acetonitrile	C2H3N	000075-05-8	F,T	3/4	4/4	4/4	(3)	(1)	(1)	Methyl cyanide; Cyanomethane; Ethanenitrile	15
Acetonyl chloride	-> see: Chloroacetone										16
Acetophenone	C8H8O	000098-86-2		1/3	0/4	4/4	1/0	(1)	(1)	Phenylethanone, 1-; Phenyl methyl ketone; Acetylbenzene	17
Acetyl chloride	C2H3ClO	000075-36-5	100%	3/4	0/0	0/0	4/4	1/2L	1/1L	Acetic chloride; Ethanoyl chloride; Acetic acid chloride	18
Acetylene	C2H2	000074-86-2	100%	1/0	0/0	2/0	1/0	(1)	(1)	Ethine; Ethyne	19
Acetyloxybenzoic acid,2-	-> see: Acetylsalicylic acid										20
Acetylsalicylic acid	C9H8O4	000050-78-2	100%	1/2	1/0	0/0	(2)	1/0	1/0	Acetyloxybenzoic acid, 2-;	21
Acrylonitrile	C3H3N	000107-13-1	F,T	3/4	4/4	4/4	4/4	1/0	1/0	Cyanoethylene; Propenenitrile, 2-; Vinyl cyanide	22
Adipic acid	C6H10O4	000124-04-9	saturated	1/1	1/1	1/3	1/0	(2)	(2)	Hexanedioic acid; Butanedicarboxylic acid, 1,4-	23
Alanine, L-	C3H7NO2	000056-41-7	—	1/1	1/1	4/4	1/0	(2)	(2)	Aminopropanoic acid, L-2; aminopropanoic acid, alpha-	24
Allspice	—	—	ground	4/4	0/0	0/0	(2)	(1)			25
Allyl acetate	C5H8O2	000591-87-7	100%	1/3	4/4	0/0	(3)	(1)	(1)		26
Allyl alcohol	C3H6O	000107-18-6	96%	2/2	2/4	2/3	1/0	1/1	1/1	Vinyl carbinol; Propenyl alcohol	27
Allyl chloride	C3H5Cl	000107-05-1	100%	4/4	0/0	4/4	4/4	(1L)	(1L)	Chloro-1-propene, 3-; Chloropropylene, 3-	28
Allyl mustard oil	C4H5NS	000057-06-7	T	(2)	0/0	0/0	(3)	(1)	(1)	oleum sinapis	29
Almond oil,sweet	—	008007-69-0	—	(2)	3/4	0/0	4/4	1/1	1/1		30
Alumina acidic	C4H7AlO5	000142-03-0	saturated	1/1	0/0	1/0	1/0	1/1	1/1		31
Aluminium fluoride	AlF3	007789-18-1	aqueous	1/1	0/0	1/3	1/0	0/0	0/0		32
Aluminum ammonium sulfate dodecahydrate	(NH4)Al(SO4)2	007784-26-1	saturated	1/1	0/0	0/0	1/0	1/2	1/3		33
Aluminum chloride	AlCl3	007784-13-6	10%	1/1	1/1	1/1	1/0	4/4	3/4		34
Aluminum chloride	AlCl3	007784-13-6	solid	1/1	0/0	0/0	(3)	4/4	3/4		35
Aluminum chloride	AlCl3	007784-13-6	saturated	1/1	0/0	1/1	(2)	4/4	3/4		36
Aluminum hydroxide	Al(OH)3	021645-51-2		1/2	2/2	1/2	1/1	1/1	1/1	small solubility - no chemical effect expected	37
Aluminum nitrate	Al(NO3)3	013473-90-0	aqueous	1/1	1/0	1/0	1/0	1/0	1/0		38
Aluminum oxide, alpha-	Al2O3	001344-28-1	solid	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected	39
Aluminum potassium sulfate	KAl(SO4)2x12H2O	010043-67-1	diluted	1/1	1/1	1/3	1/1	1/1	1/1		40
Aluminum potassium sulfate	KAl(SO4)2x12H2O	010043-67-1	saturated	1/1	1/0	1/3	1/1	(1)	(1)		41
Aluminum sodium sulfate	NaAl(SO4)2	010102-71-3		1/1	0/0	0/0	1/0	(1)	(1)		42
Aluminum sulfate	Al2(SO4)3	010043-01-3	10%	1/1	1/0	1/1	1/0	1/2	1/1		43
Aluminum sulfate	Al2(SO4)3	010043-01-3	saturated	1/1	0/0	1/1	1/0	2/2	1/2		44
Aminic acid	-> see: Formic acid										45
Aminoacetic acid	-> see: Glycine										46
Aminoethanol C2H7NO	000141-43-5			1/2	4/4	0/0	3/0	(1)	(1)		47
Aminopropanoic acid, alpha	-> see: Alanine, L-										48
Ammonium acetate	Nickel-chromium-mo	000631-61-8	saturated	1/1	1/1	1/1	1/0	(2)	(2)		49
Ammonium bicarbonate	CH5NO3	001066-33-7	saturated	1/1	0/0	0/0	1/0	1/1	1/1		50
Ammonium bisulfide	(NH4)HS	012124-99-1	each	1/1	0/0	0/0	1/0	(1)	(1)		51
Ammonium carbonate	(NH4)2CO3	010361-29-2	50%	1/1	1/1	1/3	1/0	1/1	1/1		52
Ammonium carbonate	(NH4)2CO3	010361-29-2	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		53
Ammonium chloride	(NH4)Cl	012125-02-9	solid	1/1	0/0	1/0	1/0	1/3L	1/2L	sal ammoniac	54
Ammonium chloride	(NH4)Cl	012125-02-9	aqueous	1/1	1/1	1/3	1/0	1/3L	1/2L	sal ammoniac	55
Ammonium difluoride	F2H5N	001341-49-7	50%	1/1	0/0	1/3	1/0	1/0	1/0		56
Ammonium ferric sulfate	(NH4)Fe(SO4)2	007783-83-7	saturated	1/1	0/0	0/0	1/0	0/0	0/0		57
Ammonium ferrous sulfate	(NH4)2Fe(SO4)2	007783-85-9		1/1	1/1	0/0	(1)	(1)	(1)		58
Ammonium fluoride	(NH4)F	012125-01-8	saturated	1/1	0/0	1/0	1/0	(1)	(1)		59
Ammonium fluoride	(NH4)F	012125-01-8	aqueous	1/1	0/0	0/0	1/0	1/3	1/3		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Ammonium glycolate	C2H7NO3	035249-89-9		1/2	1/1	1/1	1/0	(2)	(2)	Acetic acid	1
Ammonium heptamolybdate	(NH4)6Mo7O24	012054-85-2		1/1	1/1	0/0	1/0	(1)	0/0		2
Ammonium hydroxide	NH3+H2O	001336-21-6	30%	1/2	2/3	1/2	1/0	1/1	1/1		3
Ammonium hydroxide	NH3+H2O	001336-21-6	5%	1/1	1/3	1/1	1/0	1/1	1/1		4
Ammonium hydroxide	NH3+H2O	001336-21-6	C/Xi,	1/1	2/3	1/2	1/0	1/1	1/1		5
Ammonium mercaptan	-> see: Ammonium bisulfide										6
Ammonium nitrate	(NH4)NO3	006484-52-2	10%	1/1	1/1	1/3	1/0	1/1	1/1	Nitric acid; Ammonium salt	7
Ammonium nitrate	(NH4)NO3	006484-52-2	saturated	1/1	1/0	1/1	1/0	1/1	1/1		8
Ammonium nitrite	(NH4)NO2	013446-48-5	aqueous	1/1	0/0	0/0	1/0	(1)	(1)		9
Ammonium oxalate	C2H8N2O4	014258-49-2		1/2	1/1	1/1	1/0	1/1	1/1		10
Ammonium persulfate	(NH4)2S2O8	007727-54-0	saturated	1/1	0/0	1/0	1/0	(4)	3/4		11
Ammonium persulfate	(NH4)2S2O8	007727-54-0	aqueous	1/1	0/0	0/0	1/0	(4)	3/4		12
Ammonium phosphate, Mono-	(NH4)H2PO4	007722-76-1	each	1/1	1/1	1/1	1/0	(1)	(1)		13
Ammonium polyphosphate(APP)	(NH4PO3)n	068333-79-9		1/1	0/0	0/0	1/0	(1)	(1)		14
Ammonium rhodanide	-> see: Ammonium thiocyanate										15
Ammonium salt	-> see: Ammonium nitrate										16
Ammonium sulfate	(NH4)2SO4	007783-20-2	10%	1/1	1/1	1/3	1/0	1/1	1/1		17
Ammonium sulfate	(NH4)2SO4	007783-20-2	saturated	1/1	1/0	1/1	1/0	1/1	1/2		18
Ammonium sulfide	(NH4)2S	012135-76-1	each	1/1	0/0	1/3	1/0	(1)	(1)	Diammonium sulfide;	19
Ammonium sulfide	(NH4)2S	012135-76-1	aqueous	1/1	0/0	0/0	1/0	(1)	(1)		20
Ammonium sulfocyanide	-> see: Ammonium thiocyanate										21
Ammonium thiocyanate	CH4N2S	001762-95-4		1/1	1/3	1/0	1/0	(1)	(1)		22
Amomum	—	—		(2)	4/4	0/0	(2)	(1)	(1)		23
Amyl acetate,	normal	C7H11O2	000628-63-7	3/4	4/4	4/4	3/4	1/1	1/1		24
Amyl alcohol,n-	-> see: Pentanol, 1-										25
Amyl chloride	C5H11Cl	000543-59-9		4/4	4/4	4/4	4/4	3/4L	3/4L		26
Amyl cinnamic	aldehyde	C14H18O	000122-40-7	(3)	0/0	0/0	(4)	(1)	(1)	odoriferous substance	27
Aniline	C6H7N	000062-53-3		2/3	4/4	4/4	4/4	1/0	1/0		28
Aniline hydrochloride	C6H3ClN6	000142-04-1	saturated	1/3	0/0	1/0	3/0	4/4	4/4		29
Anise	—	—		(2)	0/0	0/0	(2)	(1)	(1)		30
Anise oil	—	084775-42-8		(3)	0/0	0/0	4/4	(1)	(1)		31
Anisole	C7H8O	000100-66-3	100%	3/3	4/4	0/0	4/4	(1)	(1)		32
Antifreeze agent	(car)	—	—	1/1	1/1	0/0	1/0	1/1	1/1	glycol-water-mixture	33
Antimony pentachloride	SbCl5	007647-18-9		1/1	0/0	0/0	(2)	(4)	(4)		34
Antimony trichloride	SbCl3	010025-91-9	90%	1/1	0/0	1/0	1/0	4/4	4/4		35
Antimony trichloride	SbCl3	010025-91-9	anhydrous	1/1	0/0	0/0	1/0	4/4	4/4		36
Antimony trichloride	SbCl3	010025-91-9	aqueous	1/1	0/0	0/0	1/0	4/4	4/4		37
Apple juice	—	—	—	1/1	1/0	0/0	(1)	(1)	(1)		38
Arsenic acid	H3AsO4	022538-92-7	aqueous	1/1	1/1	1/3	1/0	1/0	1/1		39
Arsenic acid	H3AsO4	022538-92-7		1/1	1/1	1/3	1/0	1/0	1/1		40
Arsenic pentoxide	As2O5	001303-28-2		1/1	0/0	0/0	(2)	(1)	(1)		41
Ascorbic acid	C6H8O6	000050-81-7	aqueous	1/1	0/0	0/0	(1)	(1)	(1)		42
Atropine sulfate	C34H48N2SO10-H2O	000055-48-1		1/1	0/0	0/0	(2)	(1)	(1)		43
Azabenzene	-> see: Pyridine										44
Azacyclohexane	> see: Piperidine										45
Azine	-> see: Pyridine										46
Azole	-> see: Pyrrole										47
Barium carbonate	BaCO3	000513-77-9	saturated	1/1	1/1	1/0	1/1	1/1	1/1	small solubility - no chemical effect	48
Barium chloride	BaCl2	010361-37-2	saturated	1/1	1/1	1/3	1/1	1/2L	1/1L		49
Barium chloride	BaCl2	010361-37-2	aqueous	1/1	0/0	0/0	1/1	1/2L	1/1L		50
Barium dibromide	BaBr2	010553-31-8		1/1	1/1	0/0	1/0	(2L)	(2L)		51
Barium hydroxide	Ba(OH)2	012230-71-6	saturated	1/1	0/0	1/3	1/0	1/1	1/1		52
Barium hydroxide	Ba(OH)2	012230-71-6	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		53
Barium sulfide	BaS	021109-95-5	saturated	1/1	0/0	1/0	1/0	(1)	(1)		54
Battery acid	H2SO4	007664-93-9	38%	1/1	1/1	1/3	1/0	2/3	2/3	Sulfuric acid;	55
Beef tallow	—	061789-97-7		1/1	1/1	0/0	4/4	1/1	1/1		56
Beef tallow emulsion	—	—	sulfonated	1/0	0/0	1/0	4/4	(1)	(1)		57
Beer	—	—		1/1	1/0	1/1	1/0	1/1	1/1		58
Beeswax	—	008012-89-3	—	1/3	0/0	0/0	(3)	(1)	(1)		59
Benzaldehyde	C7H6O	000100-52-7		1/4	4/4	4/4	3/4	1/1	1/1	artificial almond oil	60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Benzene	C6H6	000071-43-2		3/4	4/4	4/4	4/4	1/1	1/1	Cyclohexatriene; Benzol	1
Benzene chloride	-> see: Chlorobenzene										2
Benzenesulfonic acid	C6H6SO3	000098-11-3	saturated	2/4	0/0	2/0	4/4	0/0	1/0		3
Benzoic acid	C7H6O2	000065-85-0	saturated	1/3	2/2	1/2	3/0	1/1	1/1		4
Benzoic acid	C7H6O2	000065-85-0	aqueous	1/3	0/0	0/0	3/0	1/1	1/1		5
Benzoic acid chloride	-> see: Benzoyl chloride										6
Benzoyl chloride	C7H5ClO	000098-88-4	100%	3/4	0/0	0/0	1/0	(2L)	(2L)	Benzenecarbonyl chloride; Benzoic acid chloride	7
Benzyl acetate	C9H10O2	000140-11-4		1/2	4/4	4/4	(3)	1/1	1/1		8
Benzyl alcohol	C7H8O	000100-51-6		4/4	4/4	2/3	3/0	1/1	1/1		9
Benzyl benzoate	C14H12O2	000120-51-4		(3)	0/0	0/0	4/4	(1)	(1)		10
Benzyl chloride	C7H7Cl	000100-44-7	100%	4/4	4/4	4/4	4/4	1/1L	1/1L		11
Benzyl ether	C14H14O	000103-50-4		(3)	0/0	0/0	2/0	(1)	(1)		12
Bismuth chloride	BiCl3	007787-60-2		1/1	0/0	0/0	1/0	0/0	0/0		13
Bismuth nitrate,basic	Bi5O(HO)9(NO3)4	001304-85-4		1/1	0/0	0/0	1/0	0/0	0/0		14
Bisulfite solution	NaHSO3	??		1/1	0/0	0/0	1/0	1/1	1/1		15
Bisulfite solution,containing S02	NaHSO3	??	saturated	1/1	0/0	1/3	(3)	1/1	1/1		16
Bitteralmond oil	C7H6O	090320-35-7		1/4	4/4	4/4	3/4	1/1	1/1	mainly: benzaldehyde	17
Bitumen	—	008052-42-4		1/3	0/0	0/0	4/4	(1)	(1)		18
Bone oil	—	008001-85-2		1/1	1/1	0/0	4/4	1/1	1/1		19
Boric acid	H3BO3	010043-35-3	10%	1/1	1/2	1/3	1/0	1/1	1/1		20
Boric acid	H3BO3	010043-35-3	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		21
Brake fluid	—	—		1/1	3/0	1/0	1/0	(1)	(1)		22
Bromic acid	HBrO3	007789-31-3	concentrated	3/0	0/0	0/0	(4)	(4)	(4)		23
Bromine	Br2	007726-95-6		4/4	4/4	2/4	4/4	4/4	4/4		24
Bromine pentafluoride	BrF5	007789-30-2		(3)	0/0	0/0	4/4	(4)	(4)		25
Bromine steams	Br2	007726-95-6		4/4	0/0	0/0	4/4	(4)	(4)		26
Bromine trifluoride	BrF3	007787-71-5		(3)	0/0	0/0	4/4	(4)	(4)		27
Bromine water	Br2+H2O	007726-95-6	saturated	4/4	4/4	3/4	4/4	4/4	4/4		28
Bromobenzene	C6H5Br	000108-86-1		4/4	4/4	4/4	4/4	(1)	(1)		29
Bromochloromethane	CH2BrCl	000074-97-5	100%	4/4	4/4	4/4	4/4	0/0	0/0		30
Bromotrifluoromethane	CBrF3	000075-63-8		(3)	0/0	0/0	1/0	0/0	0/0		31
Butadiene,1,3-	C4H6	000106-99-0		4/4	4/4	3/4	4/4	(1)	(1)		32
Butanal	-> see: Butylaldehyde										33
Butane	C4H10	000106-97-8	techn pure	1/1	4/4	1/0	4/4	(1)	(1)		34
Butanedicarboxylic acid, 1,4-	-> see: Adipic acid										35
Butanetriol	C4H10O3	—	100%	1/1	0/0	3/3	1/0	(1)	(1)	isomer not indicated in the source	36
Butanol	-> see: Butyl alcohol, normal										37
Butene	C4H8	—	techn pure	4/4	0/0	1/0	3/0	(1)	(1)	isomer not indicated in the source	38
Butoxybutane, 1-	-> see: Butyl ether, (Di-) n-										39
Butter	—	—	—	1/1	1/1	0/0	3/0	(1)	(1)		40
Butyl acetate,normal	C6H12O2	000123-86-4	100%	3/4	4/4	4/4	3/0	(1)	(1)		41
Butyl acrylate	C7H12O2	000141-32-2	100%	3/4	4/4	4/4	4/4	1/1	1/1		42
Butyl alcohol,normal	C4H10O	000071-36-3	techn pure	1/2	1/2	2/3	2/0	(1)	(1)	Propyl carbinol; Butanol	43
Butyl alcohol,sec-	C4H10O	000078-92-2		1/2	2/2	2/2	3/0	(1)	(1)	Butanol, -2; Methyl ethyl carbinol; Butylene hydrate	44
Butyl alcohol,tert-	C4H10O	000075-65-0		1/2	1/1	1/2	3/0	(1)	(1)		45
Butyl aldehyde	-> see: Butylaldehyde										46
Butyl carbinol,n-	-> see: Pentanol, 1-										47
Butyl ether,(Di-)n-	C8H18O	000142-96-1	techn pure	3/4	0/0	4/4	4/4	(1)	(1)	Butoxybutane, 1-;	48
Butyl ethylene	-> see: Hexene, 1-										49
Butyl stearate	C22H44O2	000123-95-5	100%	(2)	0/0	1/0	4/4	1/1	1/1		50
Butylamine	C4H11N	000109-73-9		2/0	0/0	0/0	4/4	(1)	(1)		51
Butylene glycol	C4H10O2	—	techn pure	1/1	0/0	1/3	1/0	(1)	(1)	isomer not indicated in the source	52
Butylene hydrate	-> see: Butyl alcohol, sec-										53
Butylphenol	C10H14O	—	100%	1/1	0/0	3/4	4/4	1/1	1/1	isomer not indicated in the source	54
Butylphenol,p-tert	C11H15NO	000098-54-4	techn pure	1/0	0/0	3/0	4/4	1/1	1/1		55
Butylaldehyde	C4H8O	000123-72-8		(2)	0/0	0/0	3/0	(1)	(1)	Butanal; Butyl aldehyde	56
Butyric acid	C4H8O2	000107-92-6		4/4	4/4	2/4	4/4	1/2	1/1		57
Cadmium bromide	CdBr	007789-42-6		(1)	1/1	0/0	(2)	0/0	0/0		58
Calcium bicarbonate	Ca(HCO3)2	—	saturated	1/1	0/0	1/0	1/0	(1)	(1)		59
Calcium bisulfite	Ca(HSO3)2	013780-03-5	saturated	1/1	0/0	1/0	4/4	1/1	1/3		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Calcium bisulfite	Ca(HSO3)2	013780-03-5	aqueous	1/1	0/0	0/0	4/4	1/1	1/3		1
Calcium bromide	CaBr2	007789-41-5		1/1	1/1	0/0	(1)	0/0	0/0		2
Calcium carbide	CaC2	000075-20-7		1/1	0/0	0/0	(2)	(1)	(1)	carbid, reacts with water to acetylene - highly flammable!	3
Calcium carbonate	CaCO3	000471-34-1	saturated	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected	4
Calcium chlorate	Ca(ClO3)2	010137-74-3	saturated	1/1	0/0	0/0	(2)	(1)	1/0		5
Calcium chloride	CaCl2	010043-52-4	alcoholic	1/1	0/0	0/0	(2)	1/2L	1/2L		6
Calcium chloride	CaCl2	010043-52-4	aqueous	1/1	1/1	1/3	1/0	1/2L	1/2L		7
Calcium hydroxyde	CaH2O2	001305-62-0	aqueous	1/1	1/1	0/0	1/0	1/1	1/1		8
Calcium hydroxyde	CaH2O2	001305-62-0	concentrated	1/1	2/2	1/1	1/0	1/1	1/1		9
Calcium hypochlorite	Ca(OCl)2	007778-54-3	saturated	1/1	2/3	2/3	(2)	3/0	2/0	bleaching powder	10
Calcium hypochlorite	Ca(OCl)2	007778-54-3	aqueous	1/1	1/3	0/0	1/0	3/0	2/0	bleaching powder	11
Calcium nitrate	Ca(NO3)2	010124-37-5	50%	1/1	1/1	1/0	1/0	1/1	1/1		12
Calcium nitrate	Ca(NO3)2	010124-37-5	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		13
Calcium oxide	CaO	001305-78-8	powder	1/1	1/1	1/0	1/0	1/1	1/1		14
Calcium phosphate	Ca3(PO4)2	007758-87-4	aqueous	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effec expected	15
Calcium phosphate	Ca3(PO4)2	007758-87-4	—	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected	16
Calcium sulfate	CaSO4	007778-18-9	saturated	1/1	1/1	1/3	1/1	1/1	1/1	plaster	17
Calcium sulfide	CaS	020548-54-3	aqueous	1/1	0/0	0/0	1/0	(1)	(1)		18
Calcium sulfide	CaS	020548-54-3		1/1	0/0	1/0	1/0	(1)	(1)		19
Calciumacetat	C4H6CaO4	000062-54-4	aqueous	1/1	0/0	0/0	1/0	(1)	(1)		20
Camphor	C10H16O	000464-48-2/-49-2		1/0	1/3	4/4	4/4	1/0	1/0		21
Camphor oil	—	008008-51-3		4/4	0/0	4/4	4/4	(1)	(1)	from cinnamomum camphora	22
Caprylic alcohol	C8H18O	000111-87-5		(2)	0/0	0/0	1/0	(1)	(1)		23
Caraway	—	—	ground	(2)	4/4	0/0	(2)	(1)	(1)		24
Carbazole	C12H9N	000086-74-8		1/1	1/1	4/4	(2)	(1)	(1)		25
Carbolineum	—	008001-58-9	aqueous	1/0	0/0	1/0	3/0	(1)	(1)	Creosote;	26
Carbon dioxide	CO2	000124-38-9	saturated	1/1	1/0	1/3	1/0	1/1	1/1		27
Carbon dioxide,damp	CO2	000124-38-9	techn pure	1/1	0/0	1/3	2/0	1/1	1/1		28
Carbon dioxide,dry	CO2	000124-38-9	techn pure	1/1	0/0	1/1	2/0	1/1	1/1		29
Carbon disulfide	CS2	000075-15-0		4/4	4/4	4/4	4/4	1/1	1/1		30
Carbon tetrabromide	CBr4	000558-13-4		3/4	4/4	0/0	4/4	0/0	0/0		31
Carbon tetrachloride (TETRA)	CCl4	000056-23-5		4/4	4/4	4/4	4/4	1/1L	1/1L		32
Carbon tetrafluoride	CF4	000075-73-0		(3)	0/0	0/0	1/0	0/0	0/0		33
Carbonyl chloride	-> see: Phosgene										34
Carnauba wax	—	008015-86-9	—	1/1	0/0	0/0	(3)	(1)	(1)		35
Castor oil	—	008001-79-4	100%	1/1	1/1	1/0	3/0	1/1	1/1		36
Caustic potash	-> see: Potassium hydroxide										37
Cedar wood oil	—	008000-27-9		4/4	4/4	3/4	(4)	(1)	(1)		38
Cesium bromide	CsBr	007787-69-1		1/1	0/0	0/0	(1)	0/0	0/0		39
Cetyl alcohol	C16H34O	036653-82-4	100%	1/1	0/0	1/1	1/0	1/1	1/1		40
Chalk	CaCO3	—	—	1/1	1/1	1/1	1/1	1/1	1/1	calcium carbonate	41
Chloral hydrate	C2H3Cl3O2	000302-17-0	techn pure	3/4	0/0	4/4	3/0	0/0	0/0		42
Chloramine-T	C7H7ClN3SO2	000127-65-1	diluted	(3)	0/0	0/0	1/0	2/2	1/1		43
Chloric acid	HClO3	007790-93-4	1%	1/3	0/0	1/3	3/0	4/4	4/4		44
Chloric acid	HClO3	007790-93-4	10%	4/4	0/0	1/3	3/0	4/4	4/4		45
Chloric acid	HClO3	007790-93-4	20%	1/4	0/0	1/3	3/0	4/4	4/4		46
Chloric acid,sodium salt	-> see: Sodium chlorate										47
Chlorine	Cl2	007782-50-5	10%wet	4/4	4/4	1/2	2/0	4/4	4/4		48
Chlorine	Cl2	007782-50-5	97%	4/4	4/4	4/4	4/4	1/0	1/0		49
Chlorine	Cl2	007782-50-5	steam	4/4	4/4	4/4	4/4	1/0	1/0		50
Chlorine dioxide	ClO2	010049-04-4		(3)	0/0	0/0	4/4	3/4	3/4		51
Chlorine trifluoride	ClF3	007790-91-2		(4)	0/0	0/0	4/4	(4)	(4)		52
Chlorine water	Cl2xH2O	007782-50-5		3/4	4/4	3/3	3/0	2/0L	2/0L		53
Chloro acetophenone,p-	C8H7ClO	000099-91-2		1/1	4/4	4/4	(3)	0/0	0/0		54
Chloro-1-propene,3-	-> see: Allyl chloride										55
Chloro-2-propanone,1-	-> see: Chloroacetone										56
Chloroacetic acid	C2H3ClO2	000079-11-8	50%	1/1	0/0	1/0	2/0	2/4	2/4		57
Chloroacetic acid	C2H3ClO2	000079-11-8		1/2	2/4	3/4	3/0	4/4	4/4		58
Chloroacetone	C3H5ClO	000078-95-5		(2)	0/0	0/0	1/0	0/0	0/0	Chloro-2-propanone, 1-; Acetylonyl chloride; Monochloroacetone	59
Chlorobenzene	C6H5Cl	000108-90-7		3/4	4/4	4/4	4/4	1/1	1/1	Benzene chloride;Chlorobenzol; Monochlorobenzene (MCB); Phenyl chloride	60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Chlorodifluoroethane	C2H3ClF2	000075-68-3		(3)	0/0	0/0	1/0	0/0	0/0		1
Chlorodifluoromethane	CHClF2	000075-45-6		4/4	4/4	2/0	1/0	0/0	0/0	R22	2
Chloroethane, 1-	-> see: Monochloroethane										3
Chloroethyl alcohol, 2-	C2H5ClO	000107-07-3	techn pure	4/4	0/0	4/4	3/0	1/0L	1/0L		4
Chloroethylene	-> see: Vinyl chloride (VCM)										5
Chlorofluorocarbons (CFC)	(CFC)	—	—	(3)	4/4	0/0	(3)	0/0	0/0	resistance depends on type	6
Chlorofluoromethane	CH2ClF	000593-70-4		(3)	0/0	0/0	1/0	0/0	0/0		7
Chloroform	CHCl3	000067-66-3	100%	3/4	4/4	4/4	4/4	1/1	1/1		8
Chloroformyl chloride	-> see: Phosgene										9
Chloronaphthalene, 1-	C10H7Cl	000090-13-1		4/4	0/0	0/0	4/4	1/0	1/0		10
Chloropentafluoroethane	C2ClF5	000076-15-3		(3)	0/0	0/0	1/0	0/0	0/0		11
Chloroprene	C4H5Cl	000126-99-8		(3)	0/0	0/0	4/4	0/0	0/0		12
Chloropropylene, 3-	-> see: Allyl chloride										13
Chlorosulfonic acid	ClHSO3	007790-94-5	techn pure	4/4	4/4	3/0	4/4	3/4	3/4		14
Chlorotoluene	C7H7Cl	—		(3)	0/0	0/0	4/4	1/0	1/0	isomer not indicated in the source	15
Chlorotrifluoromethane	CClF3	000075-72-9		(3)	0/0	0/0	1/0	0/0	0/0		16
Chromic acid	CrO3	001333-82-0	10%	1/1	1/1	1/2	4/4	1/2	1/2	Chromium trioxide;	17
Chromic acid	CrO3	001333-82-0	20%	3/3	1/0	1/0	4/4	(2)	(2)		18
Chromic acid	CrO3	001333-82-0	50%	3/3	3/3	1/3	4/4	2/3	2/3		19
Chromic potassium sulfate	KCr(SO4)2x12H2O	007788-99-0	saturated	1/1	0/0	1/1	1/0	1/3	1/3		20
Chromic-sulfuric acid	CrO3+H2SO4	065272-71-1	concentrated	4/4	4/4	0/0	4/4	2/3	2/3		21
Chromium salts	—	—	each	1/1	0/0	0/0	(1)	K	K		22
Chromium trioxide	-> see: Chromic acid										23
Cinnamaldehyde	C9H8O	000104-55-2	Xn, ground	(3)	4/4	0/0	1/0	(1)	(1)		24
Cinnamon	—	—	ground	(2)	3/0	0/0	(2)	(1)	(1)		25
Cinnamon oil	—	008007-80-5		4/4	4/4	4/4	(3)	(1)	(1)		26
Citric acid	C6H8O7	000077-92-9	10%	1/1	1/2	1/3	1/0	1/1	1/1		27
Citric acid	C6H8O7	000077-92-9	50%	1/1	1/0	0/0	1/0	1/3	1/2		28
Citric acid	C6H8O7	000077-92-9	saturated	1/1	1/1	1/1	1/0	1/3	1/2		29
Citrus juices	—	—	aqueous	1/1	0/0	1/1	(1)	1/1	1/1		30
Cleaning agents	—	—	—	0/0	0/0	0/0	1/1	1/1	1/1		31
Clophen A60	—	011096-82-5	—	4/4	0/0	4/4	4/4	1/0	1/0	polychlorinated Biphenyls, PCB; Bayer	32
Coal gas, without benzene	—	—	—	1/0	1/0	1/0	4/4	1/1	1/1		33
Cobalt dichloride	CoCl2	007646-79-9	aqueous	1/1	0/0	0/0	1/0	0/0	0/0		34
Cocoa	—	—	(—)	(2)	1/1	0/0	(2)	(1)	(1)		35
Cocoa butter	—	008002-31-1	—	(2)	0/0	0/0	4/4	1/1	1/1		36
Coconut butter	—	—	—	(2)	1/1	0/0	4/4	1/1	1/1		37
Coconut fatty alcohol	—	068425-37-6	techn pure	1/3	0/0	1/3	3/0	1/1	1/1		38
Coconut oil	—	008001-31-8	techn pure	1/1	0/0	1/3	4/4	1/1	1/1		39
Cod-liver oil	—	008001-69-2	—	1/3	1/1	1/0	3/0	(1)	(1)		40
Colza oil	—	008002-13-9	—	1/3	0/0	0/0	1/0	1/1	1/1		41
Compressed air	—	—	oleagineus	3/0	0/0	3/0	(3)	1/1	1/1		42
Condy's crystals	-> see: Potassium permanganate										43
Copper acetate	C4H6CuO4	004180-12-5	aqueous	1/1	0/0	0/0	1/0	1/1	1/1	verdigris	44
Copper sulfate	CuSO4x5H2O	007758-99-8	aqueous	1/1	1/1	1/3	1/0	1/1	1/1	blue stone	45
Cotton oil	—	008001-29-4	techn pure	1/1	0/0	0/0	3/0	1/1	1/1		46
Creosote	—	—	—	3/4	0/0	3/0	4/4	1/1	1/1		47
Creosote	-> see: Carbolineum										48
Cresol (-mixtures)	C7H8O	001319-77-3		2/3	4/4	4/4	4/4	1/0	1/0		49
Crotonaldehyde	C4H6O	004170-30-3	techn pure	1/0	0/0	4/4	1/0	1/1	1/1		50
Crude oil	—	—	100%	1/3	3/0	1/0	4/4	(1)	(1)		51
Cumene	C9H12	000098-82-8	—	3/4	4/4	4/4	4/4	1/1	1/1		52
Cupric chloride	CuCl2	007447-39-4	saturated	1/3	0/0	1/1	1/0	4/4	4/4		53
Cupric nitrate	Cu(NO3)2	003251-23-8	saturated	1/1	1/0	1/0	1/0	1/1	1/1		54
Cupric nitrate	Cu(NO3)2	003251-23-8	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		55
Cuprous chloride	CuCl	007758-89-6	aqueous	1/1	0/0	0/0	1/0	4/4	4/4		56
Cuprous cyanide	CCuN	000544-92-3	saturated	1/3	0/0	1/0	1/0	1/1	1/1		57
Curry	—	—	—	(2)	3/3	0/0	(2)	(1)	(1)	possibility of discoloration	58
Cyanoethylene	-> see: Acrylonitrile										59
Cyanomethane	->	see:	Acetonitrile								60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Cyclanon	—	—	—	1/1	0/0	0/0	(2)	(1)	(1)	appliances for dyeing-mill; BASF	1
Cyclohexane	C6H12	000110-82-7	—	3/4	4/4	2/3	4/4	1/1	1/1		2
Cyclohexanol	C6H12O	000108-93-0	techn pure	1/3	3/3	1/1	4/4	(1)	(1)		3
Cyclohexanone	C6H10O	000108-94-1	techn pure	2/4	4/4	4/4	4/4	(1)	(1)		4
Cyclohexatriene	->	see:	Benzene								5
Cymene,p-	C10H14	000099-87-6	—	(3)	4/4	0/0	4/4	1/1	1/1		6
DDT (emulsion)	C14H9Cl5	000050-29-3	—	1/1	0/0	0/0	(2)	(2)	(2)		7
Decahydronaphthalene	C10H18	000091-17-8	—	3/4	4/4	1/2	4/4	(1)	(1)		8
Decane	C10H22	000124-18-5	—	(3)	0/0	0/0	4/4	(1)	(1)		9
Dehydroacetic acid	C8H8O4	000520-45-6	—	(2)	0/0	0/0	(2)	(1)	(1)		10
Densodrin W	—	—	aqueous	0/0	0/0	1/1	0/0	0/0	0/0	appliance for moisture-proofing of leather; BASF	11
Desiccator fat	—	—	—	(2)	0/0	0/0	(3)	(1)	(1)		12
Desmodur 44	C15H10N2O2	000101-68-8	—	(2)	0/0	0/0	(2)	(1)	(1)		13
Developer for fotos	—	—	—	1/2	0/0	1/3	3/0	1/0	1/0		14
Developer liquids	—	—	—	1/1	0/0	1/1	2/0	1/0	1/0		15
Dextrin	(C6H10O5) _n xH2O	009004-53-9	aqueous	1/1	1/1	1/1	1/1	1/1	1/1		16
Diacetone alcohol	C6H12O2	000123-42-2	—	2/2	0/0	0/0	1/0	(1)	(1)		17
Diamine	-> see: Hydrazine										18
Diaminoethane	C2H8N2	000107-15-3	techn pure	1/1	0/0	3/0	1/0	(1)	(1)		19
Diammonium sulfide	-> see: Ammonium sulfide										20
Diamyl phthalate	C18H26O4	000131-18-0	100%	(2)	4/4	0/0	3/0	(1)	(1)		21
Dibenzyl sebacate	C24H26O4	??	—	(3)	0/0	0/0	2/0	(1)	(1)	plasticiser	22
Dibromoethane,1,2-	-> see: Ethylene dibromiden (EDB)										23
Dibromotetrafluoroethane	C2Br2F4	000124-73-2	—	(3)	0/0	0/0	4/4	0/0	0/0		24
Dibutyl phthalate,n-	C16H22O4	000084-74-2	FR,80°C	0	0	0	0	0	0	plasticiser	25
Dibutyl phthalate,n-	C16H22O4	000084-74-2	—	2/2	4/4	4/4	3/0	1/1	1/1	plasticiser	26
Dibutyl sebacate	C18H34O4	000109-43-3	techn pure	1/0	4/4	4/4	3/0	(1)	(1)	plasticiser	27
Dibutylamine	C8H19N	000111-92-2	—	(2)	0/0	0/0	4/4	(1)	(1)		28
Dichloroacetic acid	C2H2Cl2O2	000079-43-6	50%	1/1	0/0	1/3	4/4	0/0	0/0		29
Dichloroacetic acid	C2H2Cl2O2	000079-43-6	techn pure	1/3	0/0	1/3	4/4	0/0	0/0		30
Dichlorobenzene,1,2-	C6H4Cl2	000095-50-1	—	3/4	4/4	4/4	4/4	0/0	0/0		31
Dichlorobenzene,1,4-	C6H4Cl2	000106-46-7	—	3/4	4/4	4/4	4/4	0/0	0/0		32
Dichlorodifluoromethane	CCl2F2	000075-71-8	techn pure	4/4	4/4	2/0	3/0	0/0	0/0		33
Dichlorodifluoromethane	CCl2F2	000075-71-8	—	4/4	4/4	2/0	3/0	0/0	0/0		34
Dichloroethane	C2H4Cl2	—	—	3/4	4/4	4/4	4/4	1/1L	1/1L	isomer not indicated in the source	35
Dichloroethylene	C2H2Cl2	—	techn pure	3/0	4/4	4/4	4/4	1/1L	1/1L	isomer not indicated in the source	36
Dichlorofluoromethane	CHCl2F	000075-43-4	100%	4/4	4/4	4/4	4/4	0/0	0/0		37
Dichlorohexafluorocyclobutane	C4Cl2F6	000356-18-3	—	(3)	0/0	0/0	1/0	0/0	0/0		38
Dichloroisopropyl ether	C6H12Cl2O	—	—	(3)	0/0	0/0	4/4	0/0	0/0	isomer not indicated in the source	39
Dichloropropane	C3H6Cl2	—	100%	4/4	4/4	0/0	4/4	0/0	0/0	isomer not indicated in the source	40
Dichlorotetrafluoroethane	C2Cl2F4	000076-14-2	—	(3)	0/0	0/0	1/0	0/0	0/0		41
Dicyclohexyl phthalate	C20H26O4	000084-61-7	techn pure	1/3	0/0	0/0	(3)	(1)	(1)	plasticiser	42
Dicyclohexylamine(DCHA)	C12H23N	000101-83-7	—	(2)	0/0	0/0	4/4	(1)	(1)		43
Diesel fuel	—	—	—	1/3	0/0	1/0	4/4	(1)	(1)		44
Diesel fuel for heating	—	—	—	1/3	3/4	1/1	4/4	1/1	1/1		45
Diesel oil	—	068334-30-5	100%	1/3	3/4	1/3	4/4	(1)	(1)		46
Diethanolamine(DEA)	C4H11NO2	000111-42-2	100%	1/2	1/0	0/0	3/0	(1)	(1)		47
Diethyl ethyl	C4H10O	000060-29-7	techn pure	4/4	4/4	4/4	4/4	1/1	1/1		48
Diethyl ketone	-> see: Pentanone,3-										49
Diethyl malonate	C7H12O4	000105-53-3	—	1/1	4/4	2/4	(2)	(1)	(1)		50
Diethyl sebacate	C14H26O4	000110-40-7	—	(2)	0/0	0/0	2/0	(1)	(1)	plasticiser	51
Diethyl succinate	C8H14O4	000123-25-1	—	(2)	0/0	0/0	(2)	(1)	(1)		52
Diethylamine	C4H11N	000109-89-7	techn pure	1/2	0/0	3/0	2/0	1/1	1/1		53
Diethylbenzene	C10H14	000135-01-3	—	4/4	4/4	4/4	4/4	1/1	1/1		54
Diethylene glycol	C4H10O3	000111-46-6	—	1/1	2/2	3/4	1/0	(1)	(1)		55
Diethylene glycolether	—	—	—	1/1	4/4	3/4	3/0	(1)	(1)		56
Difluoroethane	C2H2F2	000075-37-6	—	(3)	0/0	0/0	1/0	0/0	0/0		57
Difluoromethane	CH2F2	000075-10-5	—	(3)	0/0	0/0	1/0	0/0	0/0		58
Diglycolic acid	C4H6O5	000110-99-6	aqueous	1/1	0/0	0/0	1/0	1/4	1/4		59
Diglycolic acid	C4H6O5	000110-99-6	30%	1/1	0/0	1/3	1/0	1/4	1/4		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Diisobutyl ketone	C9H18O	000108-83-8	techn pure	1/4	0/0	4/4	3/0	(1)	(1)		1
Diisobutylene (DIB)	C6H10	025167-70-8		1/2	0/0	0/0	4/4	1/1	1/1		2
Diisopropyl ether	C6H14O	000108-20-3	techn pure	3/4	4/4	4/4	4/4	(1)	(1)		3
Di-isopropyl ketone	C7H14O	000565-80-0		(3)	0/0	0/0	1/0	(1)	(1)		4
Dimethyl ether	C2H6O	000115-10-6	gas	4/4	4/4	3/0	3/0	(1)	(1)		5
Dimethyl formamide (DMF)	C3H7NO	000068-12-2		1/1	4/4	3/4	2/0	1/1	1/1		6
Dimethyl ketone	-> see: Acetone										7
Dimethyl phthalate (DMP)	C10H10O4	000131-11-3	100%	2/3	4/4	4/4	3/0	(1)	(1)	plasticiser	8
Dimethyl sulfoxide (DMSO)	C2H6SO	000067-68-5		1/1	1/2	4/4	(3)	(1)	(1)		9
Dimethylacetone	-> see: Pentanone, 3-										10
Dimethylamine	C2H7N	000124-40-3	techn pure	1/3	0/0	3/4	3/0	(1)	(1)		11
Dimethylaniline	C8H11N	—		4/4	0/0	0/0	3/0	(1)	(1)	isomer not indicated in the source	12
Dinitro ethylene glycol	C2H4(NO3)2	000628-96-6	diluted	(2)	0/0	4/4	1/0	(1)	(1)		13
Dinonyl phthalate (DNP)	C26H42O4	000084-76-4	techn pure	1/3	0/0	4/4	(3)	(1)	(1)	plasticiser	14
Dioctyl adipate	C22H42O4	000103-23-1		4/4	0/0	0/0	(3)	(1)	(1)	plasticiser	15
Dioctyl phthalate (DOP)	C24H38O4	000117-81-7	techn pure	4/4	4/4	4/4	3/0	(1)	(1)	plasticiser	16
Dioctyl sebacate	C26H50O4	002432-87-3	—	(3)	0/0	0/0	2/0	(1)	(1)	plasticiser	17
Dioxane	C4H8O2	000123-91-1		3/3	4/4	3/4	2/0	1/0	1/0		18
Diphenyl ether	C12H10O	000101-84-8		4/4	4/4	0/0	4/4	(1)	(1)		19
Diphenylamine	C12H11N	000122-39-4		(3)	0/0	0/0	(3)	(1)	(1)		20
Diphyll	—	008004-13-5		4/4	4/4	0/0	4/4	(1)	(1)	mixture with diphenyl and diphenyl ether; Bayer	21
Dipropyl ketone	C7H14O	000123-19-3		(3)	0/0	0/0	(3)	(1)	(1)		22
Dipropylene glycol	C6H14O3	025265-71-8		1/1	1/1	2/3	4/4	(1)	(1)		23
Dipropylene glycol (mono)methyl ether	C4H10O2	—	—	(2)	0/0	0/0	(3)	(1)	(1)	isomer not indicated in the source	24
Disodium phosphate	Na2HPO4	007558-79-4		1/1	0/0	0/0	1/1	1/1	1/1		25
Dispersion of rubber	—	—		1/1	0/0	0/0	(3)	(1)	(1)	latex	26
Dithionous acid, disodium salt	-> see: Sodium hydrosulfite										27
Divinylene oxide	-> see: Furan										28
Dope, viscous	—	—	—	0/0	0/0	1/1	(2)	2/4	0/0		29
Emulsifiers	—	—		1/1	0/0	0/0	(2)	K	K		30
Emulsions for fotos	—	—		1/1	0/0	1/0	(2)	0/0	0/0		31
Ephetin	—	—	10% in water	1/1	0/0	0/0	0/0	0/0	0/0		32
Epichlorhydrin	C3H5ClO	000106-89-8	100%	2/2	0/0	4/4	3/0	0/0	0/0		33
Epoxypropane, 1,2-	-> see: Propylene oxid										34
Ethanal	-> see: Acetaldehyde										35
Ethanedioic acid	-> see: Oxalic acid										36
Ethanenitrile	-> see: Acetonitrile										37
Ethanoyl chloride	-> see: Acetyl chloride										38
Ethoxybenzene	C8H10O	000103-73-1	0	(3)	0/0	0/0	4/4	(1)	(1)	phenyl ether; Phenyl ethyl ether; Phenetole	39
Ethyl acetate	C4H8O2	000141-78-6	100%	1/3	4/4	4/4	3/0	(1)	(1)		40
Ethyl acrylate	C5H8O2	000140-88-5	100%	4/4	0/0	4/4	4/4	(1)	(1)		41
Ethyl alcohol	C2H6O	000064-17-5	40%	1/1	2/3	1/1	1/0	1/1	1/1		42
Ethyl alcohol	C2H6O	000064-17-5	50%	1/1	1/0	1/0	1/0	1/1	1/1		43
Ethyl alcohol	C2H6O	000064-17-5	96%	1/1	3/4	1/3	1/0	1/1	1/1		44
Ethyl aldehyde	-> see: Acetaldehyde										45
Ethyl benzoate	C9H10O2	000093-89-0		2/3	4/4	4/4	(3)	(1)	(1)		46
Ethyl butyrate	C6H12O2	000105-54-4		2/4	4/4	4/4	(3)	(1)	(1)		47
Ethyl chloride	-> see: Monochloroethane										48
Ethyl chloroacetate	C4H7ClO2	000105-39-5	techn pure	1/1	4/4	3/4	3/0	0/0	0/0		49
Ethyl cyanoacetate	C5H7NO2	000105-56-6		1/1	2/4	3/4	(2)	(1)	(1)		50
Ethyl formate	C3H6O2	000109-94-4		(2)	0/0	0/0	(3)	(1)	(1)		51
Ethyl lactate	C5H10O3	000097-64-3	—	1/1	3/4	3/4	(3)	(1)	(1)		52
Ethyl mercaptan	C2H6S	000075-08-1		(2)	0/0	0/0	(3)	(1)	(1)		53
Ethyl phenyl ether	-> see: Ethoxybenzene										54
Ethyl silicate	C8H20SiO4	000078-10-4		(2)	0/0	0/0	(3)	(1)	(1)		55
Ethylbenzene	C8H10	000100-41-4		3/4	4/4	4/4	4/4	(1)	(1)		56
Ethylene	C2H4	000074-85-1		(2)	0/0	0/0	(3)	(1)	(1)		57
Ethylene dibromiden (EDB)	C2H4Br2	000106-93-4		4/4	4/4	0/0	4/4	1/0L	1/0L	Dibromoethane, 1,2-;	58
Ethylene glycol	C2H6O2	000107-21-1		1/1	1/1	1/1	1/0	1/1	1/1		59
Ethylene glycol monobutyl ether	C4H14O2	000111-76-2	100%	1/0	0/0	4/4	3/0	(1)	(1)		60

Chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Ethylene glycol monoethyl ether	C4H10O2	000110-80-5	100%	2/4	4/4	4/4	3/0	(1)	(1)		1
Ethylene glycol monoethyl ether acetate	C6H12O3	000115-15-9		1/2	4/4	3/4	2/0	(1)	(1)		2
Ethylene glycol monomethyl ether	C3H8O2	000109-86-4	100%	1/1	4/4	3/4	3/0	(1)	(1)		3
Ethylene glycol monomethyl ether oleate	C21H40O3	000111-10-4	?	4/4	4/4	0/0	(2)	(1)		Kapsolat; Methoxyethyl oleate; Methyl cellosolve oleate; plasticiser	4
Ethylene oxide	C2H4O	000075-21-8		3/3	4/4	3/4	4/4	(1)	(1)		5
Ethylenediaminetetraacetic acid (EDTA)	C10H16N2O8	000060-00-4		1/1	0/0	0/0	(1)	0/0	0/0		6
Ethylhexanol-1	C8H18O	000104-76-7		1/0	3/0	1/0	1/0	(1)	(1)		7
Ethyne	-> see: Acetylene										8
Eucalyptus oil	—	008000-48-8		(2)	4/4	0/0	4/4	(1)	(1)		9
Exhaust gases, alkaline	—	—		1/1	0/0	1/1	1/0	(1)	(1)		10
Exhaust gases,containing carbon dioxide	—	—	small	1/1	(1)	1/1	1/0	(1)	(1)		11
Exhaust gases,containing hydrochloric acid	—	—	each	1/1	0/0	1/1	1/0	2/2L	2/2L		12
Exhaust gases,containing hydrogen fluoride	—	—	small	1/1	0/0	1/1	1/0	(2)	(2)		13
Exhaust gases,containing nitrose	—	—	small	1/3	0/0	1/1	1/0	(1)	(1)		14
Exhaust gases,containing sulfur dioxide	—	—	small	1/1	0/0	1/1	1/0	1/1	1/1		15
Exhaust gases,containing sulfur trioxide	—	—	small	4/4	0/0	1/1	1/0	(2)	(1)		16
Exhaust gases,containing sulfuric acid	—	—	each	1/3	0/0	1/1	1/0	(2)	(1)		17
Fat, animal	—	—	—	1/3	0/0	0/0	4/4	1/1	1/1		18
Fat, mineral	—	—	—	1/3	0/0	0/0	(4)	1/1	1/1		19
Fat, vegetable	—	—	—	1/3	0/0	0/0	4/4	1/1	1/1		20
Fats, edible oil	—	—	—	3/0	0/0	1/0	4/4	1/1	1/1		21
Fatty alcohol sulfonates	—	—	aqueous	1/3	0/0	1/3	(2)	1/0	1/0	detergents	22
Ferric chloride	FeCl3	007705-08-0	saturated	1/1	1/1	1/1	(1)	4/4	4/4		23
Ferric nitrate	Fe(NO3)3	010421-48-4	aqueous	1/1	0/0	0/0	(1)	1/1	1/1		24
Ferric nitrate	Fe(NO3)3	010421-48-4	saturated	1/1	1/1	1/1	(1)	1/1	1/1		25
Ferric sulfate	Fe2(SO4)3	010028-22-5	saturated	1/1	0/0	0/0	(1)	1/1	1/1		26
Ferrous chloride	FeCl2	007758-94-3	saturated	1/1	1/1	1/1	(1)	(2)	1/1		27
Ferrous sulfate	FeSO4	007720-78-7	saturated	1/1	1/0	1/1	(1)	1/1	1/1		28
Ferrous sulfate	FeSO4	007720-78-7	aqueous	1/1	0/0	0/0	(1)	1/1	1/1		29
Ferrous sulfate	FeSO4	007720-78-7		1/1	1/1	0/0	(1)	1/1	1/1		30
Fire-damp	—	—	—	(2)	0/0	0/0	4/4	(1)	(1)	mainly methane	31
Fixer for fotos	—	—	—	1/1	0/0	1/3	1/0	1/0	1/0		32
Fluid 101, 100°C	—	—	—	(3)	0	0	0	0	0	Brake fluid, based on polyglycoles	33
Fluorides	—	—	—	1/1	2/2	1/1	(2)	K	K		34
Fluorine	F2	007782-41-4		4/4	4/4	1/2	4/4	(4)	(4)		35
Fluorobenzene	C6H5F	000462-06-6		(3)	0/0	0/0	4/4	0/0	0/0		36
Fluorocarbons	—	—	—	(3)	4/4	0/0	(3)	0/0	0/0	resistance depends on type	37
Formaldehyde solution	CH2O	000050-00-0	10%	1/1	3/4	2/3	1/0	1/1	1/1		38
Formaldehyde solution	CH2O	000050-00-0	30%	1/1	4/4	0/0	1/0	1/1	1/1		39
Formaldehyde solution	CH2O	000050-00-0	40%	1/2	4/4	2/3	1/0	1/1	1/1		40
Formamide	CH3NO	000075-12-7	techn	1/0	1/1	0/0	(3)	1/1	1/1	1/1	41
Formic acid	CH2O2	000064-18-6	50%	1/2	3/3	2/3	3/4	1/3	1/2	Hydrogen carboxylic acid; Methanoic acid; Aminic acid; Formylic acid	42
Formic acid	CH2O2	000064-18-6	98-100%	1/3	3/4	3/4	3/4	1/3	1/2		43
Formic acid	CH2O2	000064-18-6	3%	1/2	1/2	2/3	3/0	1/2	1/1		44
Fructose	C6H12O6	000057-48-7	each	1/1	1/1	0/0	1/0	1/1	1/1		45
Fruit pulp	—	—	—	1/1	0/0	1/0	1/0	1/1	1/1		46
Fruit wine	—	—	—	1/0	0/0	1/0	1/0	1/1	1/1		47
Fuel+20% ethyl alcohol	—	—	—	(3)	0/0	0/0	4/4	1/1	1/1		48
Fuel+20% methyl alcohol	—	—	—	(3)	0/0	0/0	4/4	1/1	1/1		49
Fuel,Normal	—	—	—	3/4	4/4	0/0	4/4	1/1	1/1		50
Fuel,piston engine (JP)	—	—	—	1/4	0/0	0/0	4/4	(1)	(1)		51
Fuel,Super	—	—	—	3/4	4/4	0/0	4/4	1/1	1/1		52
Furalmethanal,2-	-> see: Furfural										53
Furan	C4H4O	000110-00-9		(3)	0/0	0/0	4/4	(1)	(1)	Furfuran; Divinylene oxide; Oxacyclopentadiene	54
Furancarboxyaldehyde,2-	-> see: Furfural										55
Furfural	C5H4O2	000098-01-1		4/4	0/0	0/0	3/0	1/1	1/1	Furancarboxyaldehyde, 2-; Furaldehyde, 2-; Furalmethanal, 2-	56
Furfuryl alcohol	C5H6O2	000098-00-0	techn pure	1/3	0/0	4/4	3/0	(1)	(1)		57
Gallic acid	C7H6O5xH2O	000149-91-7		1/1	0/0	0/0	3/0	1/1	1/1		58
Gas liquor	—	—	—	1/1	0/0	0/0	(3)	0/0	0/0		59

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Gas oil	—	—	—	1/3	0/0	0/0	4/4	(1)	(1)		1
Gas,natural	—	—	—	(2)	0/0	0/0	4/4	(1)	(1)	mainly methane	2
Gasoline	—	008006-61-9	—	3/4	0/0	0/0	4/4	(1)	(1)		3
Gasoline	C5H12-C12H26	086290-81-5	—	3/4	4/4	2/4	4/4	1/1	1/1	fuel, lead-free	4
Gearbox oil,EP(Hypoid),110°C	—	—	—	(3)	0	0	4/4	1	1		5
Gelatin	—	009000-70-8	each	1/1	1/1	1/0	1/1	1/1	1/1		6
Genantın	—	—	—	1/1	0/0	0/0	1/0	1/1	1/1	antifreeze agent , based on glycol; Clariant	
Ginger	—	—	ground	(2)	4/4	0/0	(2)	(1)	(1)		8
Glucose	C6H12O6	000050-99-7	each	1/1	1/1	1/1	1/1	1/1	1/1		9
Glue (bone glue)	—	—	each	1/1	0/0	1/3	(1)	1/1	1/1		10
Glycerol	C3H8O3	000056-81-5	each	1/1	1/1	1/1	1/0	1/1	1/1	Glycerin; Propanetriol, 1,2,3-; Trihydroxypropane, 1,2,3-	11
Glycine	C2H5NO2	000056-40-6	10%	1/1	0/0	1/3	1/1	(2)	(2)	Glycocol; Aminoacetic acid	12
Glycolic acid	C2H4O3	000079-14-1	37%	1/1	0/0	1/0	1/0	1/3	1/3		13
Glycolic acid	C2H4O3	000079-14-1	70%	1/1	0/0	0/0	1/0	1/3	1/3		14
Glysantin	—	—	—	1/1	0/0	0/0	1/0	1/1	1/1	antifreeze agent , based on glycol; BASF	15
Gum tragacanth	—	009000-65-1	—	1/1	0/0	0/0	1/1	1/1	1/1		16
HD-Oil motor oil,without aromatics	—	—	—	1/3	0/0	0/0	4/4	1/1	1/1		17
Helium	He	007440-59-7	—	1/0	0/0	0/0	1/0	1/1	1/1		18
Henkel-P3-solution	—	—	—	1/1	0/0	0/0	(2)	1/1	1/1	cleaner	19
Heptane,normal	C7H16	000142-82-5	—	2/4	4/4	2/3	4/4	1/1	1/1		20
Heptanol,1-	C7H16O	000111-70-6	—	(2)	0/0	0/0	4/4	(1)	(1)		21
Heptanone	C7H14O	—	—	(3)	0/0	0/0	(4)	(1)	(1)	isomer not indicated in the source	22
Hexachlorbenzene (HCB)	C6Cl6	000118-74-1	—	(3)	0/0	0/0	4/4	0/0	0/0		23
Hexachlorocyclohexane (alpha-BHC)	C6H6Cl6	000319-84-6	—	(3)	0/0	0/0	4/4	0/0	0/0		24
Hexahydropyridine	-> see: Piperidine	—	—	—	—	—	—	—	—		25
Hexaldehyde,n-	C6H12O	000066-25-1	—	(2)	0/0	0/0	3/0	(1)	(1)		26
Hexamethylenetetramine	C6H12N4	000100-97-0	—	(2)	1/1	0/0	(2)	1/1	1/1	Methenamine; Hexamine;Urotropin	27
Hexane,n-	C6H14	000110-54-3	—	2/3	4/4	2/4	4/4	1/1	1/1		28
Hexanedioic acid	-> see: Adipic acid	—	—	—	—	—	—	—	—		29
Hexanetriol	C6H14O3	—	100%	1/1	1/0	1/1	1/0	(1)	(1)		30
Hexene,1-	C6H12	000592-41-6	—	(3)	0/0	0/0	4/4	1/1	1/1	Butyl ethylene; Hexylene	31
Hexyl alcohol	C6H14O	000111-27-3	—	1/2	0/0	1/0	4/4	(1)	(1)		32
Honey	—	—	—	1/1	0/0	0/0	1/1	(1)	(1)		33
Hydraulic fluids,HFA	—	—	50°C	(3)	0	0	4	0	0		34
Hydraulic fluids,HFB	—	—	50°C	(3)	0	0	4	0	0		35
Hydraulic fluids,HFC	—	—	60°C	(3)	0	0	0	0	0		36
Hydraulic fluids,HFD-R	—	—	100°C	(3)	0	0	0	0	0		37
Hydraulic fluids,HFD-S	—	—	100°C	(3)	0	0	0	0	0		38
Hydraulic oil (based on mineral oil)	—	—	—	1/3	0/0	0/0	4/4	1/1	1/1		39
Hydrazine	N2H4	000302-01-2	10%	1/1	0/0	1/0	1/0	1/3	1/3	Diamide; Diamine; Nitrogen hydride	40
Hydrazine hydrate	N2H6O	010217-52-4	aqueous	1/1	0/0	1/0	1/0	1/3	1/3		41
Hydrocyanicacid,sodium salt	-> see: Sodium cyanide	—	—	—	—	—	—	—	—		42
Hydrogen	H2	001333-74-0	techn pure	1/0	0/0	1/1	1/0	1/1	1/1		43
Hydrogen bromide	HBr	010035-10-6	40%	1/1	4/4	1/1	3/0	(4)	(4)		44
Hydrogen bromide	HBr	010035-10-6	50%	1/2	4/4	1/1	3/0	(4)	(4)		45
Hydrogen bromide	HBr	010035-10-6	diluted	1/1	4/4	1/3	3/0	(4)	(4)		46
Hydrogen carboxylic acid	-> see: Formic acid	—	—	—	—	—	—	—	—		47
Hydrogen chloride	HCl	007647-01-0	1-5%	1/1	1/1	1/1	1/0	4/4	4/4		48
Hydrogen chloride	HCl	007647-01-0	35%	1/2	3/3	2/3	3/0	4/4	4/4		49
Hydrogen chloride	HCl	007647-01-0	concentrated	1/2	3/3	2/3	3/0	4/4	4/4		50
Hydrogen chloride	HCl	007647-01-0	20%	1/1	1/1	1/3	1/0	4/4	4/4	salt acid	51
Hydrogen chloride(gas)	HCl	007647-01-0	anhydrous	1/1	0/0	1/3	1/0	2/2L	2/2L		52
Hydrogen cyanide	HCN	000074-90-8	techn pure	1/1	1/0	1/3	1/0	1/0	1/0		53
Hydrogen cyanide	HCN	000074-90-8	aqueous	1/1	1/0	1/0	1/0	1/0	1/0		54
Hydrogen fluoride	HF	007664-39-3	anhydrous	(2)	0/0	0/0	3/4	(3)	(3)		55
Hydrogen fluoride	HF	007664-39-3	4%	1/2	2/3	2/3	(3)	0/0	0/0		56
Hydrogen fluoride	HF	007664-39-3	50%	1/1	4/4	2/3	3/4	4/4	4/4		57
Hydrogen fluoride	HF	007664-39-3	70%	1/3	4/4	1/4	3/4	4/4	4/4		58
Hydrogen fluoride	HF	007664-39-3	100%	(2)	0/0	0/0	3/4	(3)	(3)		59
Hydrogen peroxide	H2O2	007722-84-1	30%	1/3	1/2	1/1	3/0	1/1	1/1		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Hydrogen peroxide	H2O2	007722-84-1	100%	4/4	4/4	0/0	(3)	(1)	(1)		1
Hydrogen peroxide	H2O2	007722-84-1	90%	1/2	1/2	1/2	3/0	1/1	1/1		2
Hydrogen peroxide	H2O2	007722-84-1	3%	1/1	1/2	1/1	1/0	1/1	1/1		3
Hydrogen sulfide	H2S	007783-06-4	saturated	1/1	3/0	1/3	1/0	1/1	1/1		4
Hydroquinone	C6H6O2	000123-31-9	saturated	1/0	4/4	1/0	4/4	1/0	1/0	Hydroquinol; Quinol	5
Hydroxylaluminium di(acetate)	C4H7AlO5	000139-12-8	aqueous	1/1	0/0	1/3	1/0	1/1	1/1		6
Hydroxylamine disulfate	H8N2SO6	010039-54-0	12%	1/1	0/0	0/0	1/0	1/1	1/1		7
Hydroxylamine disulfate	H8N2SO6	010039-54-0	each	1/1	0/0	1/0	1/0	1/1	1/1		8
Hydroxymethyl furfural,5- (HMF)	C6H6O3	000067-47-0		(2)	0/0	0/0	(3)	(1)	(1)		9
Imidole	-> see: Pyrrole										10
Iodine pentafluoride	JF5	007783-66-6		(3)	0/0	0/0	4/4	0/0	0/0		11
Iodine,tincture of I2		007553-56-2		1/2	3/3	4/4	2/0	2/0L	1/0L		12
Iodoform	CHJ3	000075-47-8	100%	3/0	3/0	4/4	1/0	(1)	(1)	Triiodomethane;	13
Isoamyl alcohol	C5H12O	000123-51-3		1/1	1/3	0/0	3/0	(1)	(1)		14
Isobutanol	C4H10O	000078-83-1		1/1	2/2	1/2	1/0	(1)	(1)	Methyl-1-propanol, 2-; Isopropyl carbinol;Isobutyl alcohol	15
Isobutyl acetate	C6H12O2	000110-19-0		(3)	4/4	3/0	2/0	(1)	(1)	Methylpropyl acetate, 2-; Methylpropyl ethanoate,Beta-	16
Isobutyl alcohol	-> see: Isobutanol										17
Isobutyltrimethylmethane	-> see: Trimethylpentane, 2,2,4-										18
ISO-Fluid	—	—	liquid	3/4	4/4	1/3	4/4	1/1	1/1		19
ISO-Fluid A	—	—		(3)	4/4	0/0	4/4	(1)	(1)		20
ISO-Fluid B	—	—		(3)	4/4	0/0	4/4	(1)	(1)		21
ISO-Fluid C	—	—		(3)	4/4	0/0	4/4	(1)	(1)		22
ISO-Fluid D	—	—		(3)	4/4	0/0	4/4	(1)	(1)		23
Iso-octane	-> see: Trimethylpentane, 2,2,4-										24
Isopropyl acetate	C5H10O2	000108-21-4		2/3	4/4	4/4	3/0	(1)	(1)		25
Isopropyl alcohol	C3H8O	000067-63-0	techn pure	1/1	2/2	1/2	1/0	(1)	(1)		26
Isopropyl carbinol	-> see: Isobutanol										27
Isopropyl chloride	C3H7Cl	000075-29-6		(3)	4/4	0/0	4/4	0/0	0/0		28
Jam	—	—	—	1/1	1/1	1/3	(2)	1/1	1/1		29
Juices	—	—	—	1/1	1/0	1/1	1/0	1/1	1/1		30
Kapsolat	-> see: Ethylene glycol monomethyl ether oleate										31
Kerosene	—	008008-20-6		3/3	4/4	1/1	4/4	1/1	1/1	lamp oil	32
Kerosene	—	—	techn pure	1/3	4/4	1/0	4/4	1/1	1/1		33
Lactames	—	—		(2)	0/0	0/0	4/4	(1)	(1)	cyclic amides	34
Lactic acid	C3H6O3	000050-21-5	3%	1/2	2/2	2/3	3/4	1/1	1/1	lactol	35
Lactic acid	C3H6O3	000050-21-5	80%	1/1	1/1	2/3	3/4	1/3	1/2	lactol	36
Lactic acid	C3H6O3	000050-21-5	85%	1/2	2/2	2/3	3/4	1/3	1/2	lactol	37
Lactose	C12H22O11	000063-42-3	aqueous	1/1	1/1	1/1	1/1	1/1	1/1		38
Lanolin	—	008006-54-0	techn pure	3/3	1/1	3/3	4/4	1/1	1/1		39
Lard	—	—	—	(2)	0/0	0/0	2/0	1/1	1/1		40
Latex	—	—		1/1	0/0	0/0	(3)	(1)	(1)	dispersion of rubber	41
Laurel	—	—	ground	(2)	1/1	0/0	(2)	(1)	(1)		42
Lauryl alcohol	C12H26O	000112-53-8	100%	1/1	1/1	1/1	3/0	(1)	(1)		43
Lauryl chloride	C12H25Cl	000112-52-7	100%	(3)	0/0	0/0	4/4	0/0	0/0		44
Lavender oil	—	008000-28-0		(3)	0/0	0/0	4/4	(1)	(1)		45
Lead acetate	C4H6PbO4	000301-04-2	aqueous	1/1	1/1	1/1	1/0	1/1	1/1		46
Lead acetate	C4H6PbO4	000301-04-2		1/1	0/0	0/0	1/0	1/1	1/1		47
Lead nitrate	Pb(NO3)2	010099-74-8	aqueous	1/1	0/0	0/0	1/0	1/0	1/0		48
Lead nitrate	Pb(NO3)2	010099-74-8	O,T,N	1/1	0/0	0/0	1/0	1/0	1/1		49
Lead stearate	C36H70PbO4	001072-35-1		1/1	1/1	0/0	(2)	(1)	(1)	small solubility - no chemical effect expected	50
Lead sulfate	PbSO4	007446-14-2		1/1	1/1	0/0	1/1	(1)	(1)	small solubility - no chemical effect expected	51
Lead tetraethyl (TEL)	C8H20Pb	000078-00-2	techn pure	2/4	0/0	1/0	4/4	(1)	(1)		52
Lemon juice	—	—	—	1/1	0/0	0/0	1/0	1/1			53
Lemon oil	—	084929-31-7	Xi	(3)	4/4	0/0	4/4	(1)	(1)	mainly limonene	54
Lemongrass oil	—	008007-02-1		(3)	4/4	0/0	4/4	(1)	(1)		55
Ligroin	—	008032-32-4		(3)	3/3	0/0	4/4	1/1	1/1	petroleum ether	56
Lime chloride	[3xCaCl(OCl)+Ca(OH)]		aqueous	(2)	0/0	0/0	1/0	2/0L	2/0L	chloride of lime, bleach	57
Lime chloride	[3xCaCl(OCl)+Ca(OH)]			1/1	1/3	0/0	1/0	2/0L	2/0L	chloride of lime, bleach	58
Limonene,D-	C10H16	000138-86-3		(3)	0/0	0/0	4/4	1/1	1/1		59
Linseed oil	—	008001-26-1	techn pure	1/1	1/1	1/3	4/4	1/1	1/1		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Liqueurs	—	—	—	1/0	0/0	1/0	1/0	1/1	1/1		1
Lithium bromide	LiBr	007550-35-8	—	1/1	0/0	0/0	1/0	0/0	0/0		2
Lube oils	—	—	—	3/0	0/0	1/1	4/4	1/1	1/1		3
Lysol	—	—	—	1/3	0/0	0/0	(3)	1/1	1/1	disinfectant,Cresol + soap	4
Machine oil	—	—	100%	1/3	0/0	0/0	4/4	1/1	1/1		5
Magnesium bromide	MgBr2	007789-48-2	—	1/1	1/1	0/0	1/1	0/0	0/0		6
Magnesium carbonate	MgCO3	000546-93-0	saturated	1/1	1/1	1/1	1/1	1/1	1/1		7
Magnesium chloride	MgCl2	007786-30-3	aqueous	1/1	1/1	1/1	1/1	1/0L	1/0L		8
Magnesium chlorite	Mg(ClO2)2	—	??	0/0	0/0	0/0	0/0	0/0	0/0		9
Magnesium hydroxide	Mg(OH)2	001309-42-8	saturated	1/1	1/1	1/1	1/1	1/1	1/1		10
Magnesium iodide	MgI2	010377-58-9	0	1/1	0/0	0/0	1/1	0/0	0/0		11
Magnesium nitrate	Mg(NO3)2	010377-60-3	saturated	1/1	1/0	1/1	1/1	1/0	1/0	Nitric acid, magnesium salt;	12
Magnesiumsulfat	MgSO4	007487-88-9	each	1/1	1/1	1/1	1/1	1/1	1/1		13
Maize-germ oil	—	008001-30-7	techn pure	1/3	1/1	3/0	4/4	1/1	1/1	corn oil	14
Maleic acid	C4H4O4	000110-16-7	saturated	1/1	0/0	1/3	4/4	1/1	1/1		15
Maleic acid	C4H4O4	000110-16-7	aqueous	1/1	0/0	0/0	4/4	1/1	1/1		16
Margarine	—	—	—	(2)	1/1	0/0	1/1	(1)	1/1		17
Menthol	C10H20O	000089-78-1	solid	1/3	4/4	0/0	3/0	1/0	1/0		18
Mercuric chloride	HgCl2	007487-94-7	aqueous	1/1	1/3	1/3	1/0	(4)	(4)		19
Mercuric cyanide	C2HgN2	000592-04-1	saturated	1/1	0/0	1/3	(1)	1/0	1/0		20
Mercuric nitrate	Hg(NO3)2	010045-94-0	saturated	1/1	1/0	1/3	1/0	1/1	1/1		21
Mercury	Hg	007439-97-6	pure	1/1	1/1	1/1	1/1	1/1	1/1		22
Mesityl oxide	C6H10O	000141-79-7	—	(3)	4/4	0/0	3/0	(1)	(1)		23
Methacetone	-> see: Pentanone,3-	—	—	—	—	—	—	—	—		24
Methacrylic acid	C4H6O2	000079-41-4	—	1/1	0/0	0/0	3/0	0/0	0/0		25
Methane	CH4	000074-82-8	techn pure	1/0	0/0	1/0	4/4	1/1	1/1		26
Methanoic acid	-> see: Formic acid	—	—	—	—	—	—	—	—		27
Methenamine	-> see: Hexamethylenetetramine	—	—	—	—	—	—	—	—		28
Methoxy butanol	C5H12O2	—	100%	1/3	0/0	0/0	3/0	(1)	(1)	isomer not indicated in the source	29
Methoxyethane	C3H8O	000540-67-0	100%	(3)	4/4	0/0	4/4	(1)	(1)	Methyl ethyl ether;	30
Methoxyethyl oleate	-> see: Ethylene glycol monomethyl ether oleate	—	—	—	—	—	—	—	—		31
Methyl acetate	C3H6O2	000079-20-9	techn pure	1/3	4/4	4/4	3/0	1/1	1/1		32
Methyl acrylate	C4H6O2	000096-33-3	—	(2)	4/4	0/0	4/4	(1)	(1)		33
Methyl alcohol	CH4O	000067-56-1	—	1/1	3/4	1/3	1/0	1/1	1/1		34
Methyl amine	CH5N	000074-89-5	32%	1/0	0/0	3/0	1/0	1/0	1/0		35
Methyl benzene	C7H8	000108-88-3	—	3/4	4/4	4/4	4/4	1/1	1/1		36
Methyl bromide	CH3Br	000074-83-9	techn pure	4/4	4/4	4/4	4/4	1/1L	1/1L		37
Methyl butanol	C5H12O	—	—	1/1	0/0	0/0	3/0	(1)	(1)	isomer not indicated in the source	38
Methyl butyl ketone	C6H12O	000591-78-6	—	(3)	4/4	0/0	1/0	(1)	(1)		39
Methyl cellosolveat oleate	-> see: Ethylene glycol monomethyl ether oleate	—	—	—	—	—	—	—	—		40
Methyl chloride	CH3Cl	000074-87-3	techn pure	4/4	4/4	4/4	4/4	1/1L	1/1L		41
Methyl cyanide	-> see: Acetonitrile	—	—	—	—	—	—	—	—		42
Methyl dichloroacetate	C3H4Cl2O2	000116-54-1	—	0/0	0/0	0/0	4/4	0/0	—		43
Methyl ethyl carbinol	-> see: Butyl alcohol, sec-	—	—	—	—	—	—	—	—		44
Methyl ethyl ether	-> see: Methoxyethane	—	—	—	—	—	—	—	—		45
Methyl ethyl ketone(MEK)	C4H8O	000078-93-3	—	1/3	4/4	4/4	3/0	(1)	(1)		46
Methyl ethylene oxide	-> see: Propylene oxid	—	—	—	—	—	—	—	—		47
Methyl formate	C2H4O2	000107-31-3	—	(2)	0/0	0/0	2/0	(1)	(1)		48
Methyl isobutyl ketone	C6H12O	000108-10-1	—	2/4	4/4	4/4	4/4	(1)	(1)		49
Methyl isopropyl ketone	C5H10O	000563-80-4	—	(3)	4/4	0/0	3/0	(1)	(1)		50
Methyl ketone	-> see: Acetone	—	—	—	—	—	—	—	—		51
Methyl methacrylate	C5H8O2	000080-62-6	100%	(2)	4/4	4/4	4/4	(1)	(1)		52
Methyl propyl ketone	C5H10O	000107-87-9	—	2/3	4/4	4/4	(3)	(1)	(1)		53
Methyl salicylate	C8H8O3	000119-36-8	—	1/0	4/4	0/0	2/0	(1)	(1)	synthetic oil of wintergreen	54
Methyl sulfuric acid	CH4SO4	000077-78-1	50%	2/4	0/0	1/3	1/0	0/0	0/0		55
Methyl sulfuric acid	CH4SO4	000077-78-1	aqueous	(2)	0/0	0/0	1/0	0/0	0/0		56
Methyl-1-propanol,2-	-> see: Isobutanol	—	—	—	—	—	—	—	—		57
Methylchloroacetate	C3H5ClO2	000096-34-4	techn pure	1/1	4/4	3/0	3/0	0/0	0/0		58
Methylcyclohexane	C7H14	000108-87-2	—	3/0	0/0	0/0	4/4	1/1	1/1		59
Methylcyclopentane	C6H12	000096-37-7	—	(3)	0/0	0/0	4/4	1/1	1/1		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Methylene chloride	CH2Cl2	000075-09-2		3/4	4/4	4/4	4/4	1/1L	1/1L		1
Methylglycol acetate	C5H10O3	000110-49-6		(2)	0/0	0/0	3/0	(1)	(1)		2
Methylloxirane	-> see: Propylene oxid										3
Methylpropyl acetate, 2-	-> see: Isobutyl acetate										4
Milk	—	—	—	1/1	1/1	1/1	3/0	1/1	1/1		5
Mineral oil	—	008012-95-1	—	1/3	1/1	1/2	4/4	1/1	1/1		6
Mineral water	—	—	—	1/1	0/0	1/1	1/1	(1)	(1)		7
Molasses	—	—	—	1/1	0/0	1/3	1/0	1/0	1/0		8
Molasses wort	—	—	—	1/1	0/0	1/1	1/0	(1)	(1)		9
Monochlorobenzene (MCB)	-> see: Chlorobenzene										10
Monochloroethane	C2H5Cl	000075-00-3		3/4	4/4	4/4	4/4	1/1L	1/1L	Ethyl chloride; Chloroethane, 1-	11
Morpholine	C4H9NO	000110-91-8	techn pure	1/1	0/0	4/4	3/0	(1)	(1)		12
Motor oil	—	—	—	1/3	0/0	0/0	4/4	1/1	1/1		13
Mowilith	D	—	—	1/0	0/0	1/0	(2)	(1)	(1)	dispersion of polyvinyl acetate;Clariant	14
Muscath	—	—	ground	(2)	4/4	0/0	(2)	(1)	(1)		15
Mustard	—	—	—	1/1	1/1	0/0	(2)	1/0L	1/0L		16
Naphtha	—	008032-32-4	—	1/3	3/0	1/0	4/4	1/1	1/1	petroleum ether	17
Naphthalene	C10H8	000091-20-3	100%	1/3	3/4	4/4	4/4	1/1	1/1		18
Naphthalene (in alcohol)	—	—	—	1/3	3/4	0/0	4/4	(1)	(1)		19
Neon	Ne	007440-01-9	—	(1)	0/0	0/0	1/1	1/1	1/1		20
Nickel acetate	C4H6NiO4	000373-02-4	aqueous	1/1	0/0	0/0	1/0	0/0	0/0		21
Nickel dichloride	NiCl2	007718-54-9	saturated	1/1	0/0	1/1	1/0	2/0L	2/0L		22
Nickel dichloride	NiCl2	007718-54-9	aqueous	1/1	0/0	0/0	1/0	2/0L	2/0L		23
Nickel sulfate	NiSO4	007786-81-4	saturated	1/1	1/1	1/1	1/0	1/1	1/1		24
Nickel sulfate	NiSO4	007786-81-4	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		25
Nickelous nitrate	Ni(NO3)2	013138-45-9	saturated	1/1	1/0	1/1	1/0	1/0	1/0		26
Nicotine	C10H14N2	000054-11-5	—	1/0	1/0	1/0	1/0	(1)	(1)		27
Nicotinic acid	C6H5NO2	000059-67-6	diluted	1/0	0/0	1/1	(2)	0/0	0/0		28
Nitric acid	HNO3	007697-37-2	1-10%	1/1	2/4	1/2	2/0	1/1	1/1		29
Nitric acid	HNO3	007697-37-2	50%	3/4	4/4	2/3	4/4	1/2	1/2		30
Nitric acid	HNO3	007697-37-2	66%	4/4	4/4	3/4	4/4	1/2	1/2		31
Nitric acid	HNO3	007697-37-2	100%	4/4	0/0	4/4	4/4	2/3	3/3		32
Nitric acid	HNO3	007697-37-2	70%	4/4	4/4	3/4	4/4	1/2	1/2		33
Nitric acid	-> see: Ammonium nitrate										34
Nitric acid, magnesium salt	-> see: Magnesium nitrate										35
Nitric acid, potassium salt	-> see: Potassium nitrate										36
Nitro benzoic acid	C7H5NO4	—	—	1/0	0/0	1/0	3/0	0/0	0/0	isomer not indicated in the source	37
Nitro reducer	—	—	—	(3)	4/4	0/0	(3)	(1)	(1)	solvent cleaner mixture	38
Nitrobenzene	C6H5NO2	000098-95-3	—	2/4	4/4	4/4	4/4	1/1	1/1		39
Nitroethane	C2H5NO2	000079-24-3	—	(2)	0/0	0/0	3/0	(1)	(1)		40
Nitrogen	N2	007727-37-9	—	1/1	0/0	0/0	1/1	1/1	1/1		41
Nitrogen hydride	-> see: Hydrazine										42
Nitrogen tetroxide	N2O4	010544-72-6	—	1/0	0/0	0/0	4/4	(1)	(1)		43
Nitroglycerine	C3H5(NO3)3	000055-63-0	diluted	(2)	0/0	3/0	1/0	0/0	0/0		44
Nitrohydrochloric acid	HNO3+HCl	008007-56-5	—	4/4	4/4	4/4	4/4	4/4	4/4	aqua regia: mixture of hydrochloric acid and nitric acid	45
Nitropropane	C3H7NO2	—	—	(2)	0/0	0/0	3/0	(1)	(1)	isomer not indicated in the source	46
Nitrose gases	—	—	diluted	1/4	0/0	1/3	3/0	(1)	(1)	nitrogen monoxide + nitrogen	47
Nitrotoluene	C7H7NO2	001321-12-6	techn pure	1/3	4/4	4/4	4/4	1/1	1/1		48
Nitrous acid, sodium salt	-> see: Sodium nitrite										49
Nitrous oxide	N2O	010024-97-2	—	(2)	0/0	0/0	2/0	(1)	(1)	nitric oxide	50
Nonanol	-> see: Nonyl alcohol										51
Nonyl alcohol	C9H20O	000143-08-8	100%	1/1	1/0	0/0	1/0	(1)	(1)	Nonanol; Pelargonic alcohol; Octyl carbinol	52
Nutmeg oil	—	008008-45-5	0	(2)	4/4	0/0	(4)	(1)	(1)		53
Octafluoropropane	C3F8	000076-19-7	0	(3)	0/0	0/0	1/0	0/0	0/0		54
Octane	C8H18	000111-65-9	0	1/1	4/4	3/4	4/4	1/1	1/1		55
Octyl carbinol	-> see: Nonyl alcohol										56
Octyl cresol	C15H24O	—	100%	3/0	0/0	0/0	4/4	(1)	(1)	isomer not indicated	57
Oils and fats, vegetable	—	—	—	1/3	3/0	1/1	4/4	1/1	1/1		58
Oils, essential	—	—	—	3/4	0/0	0/0	4/4	(1)	(1)		59
Oleic acid	C18H34O2	000112-80-1	techn pure	1/3	1/3	1/1	4/4	1/1	1/1		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Oleic acid methyl ester	C19H36O2	0	000112-62-9	(2)	0/0	0/0	3/0	(1)	(1)		1
Oleum	H2SO4xSO3	008014-95-7	10% SO3	4/4	4/4	4/4	4/4	1/2	1/1	fuming sulfuric acid	2
Oleum steams	—	—	small	4/4	0/0	1/0	(3)	(1)	(1)	sulfur trioxide	3
Olive oil	—	008001-25-0	—	1/1	1/1	1/1	4/4	1/1	1/1		4
Orange juice	—	—	—	1/1	1/0	0/0	(1)	(1)	(1)		5
Orange oil	—	008028-48-6	0	(3)	4/4	0/0	4/4	(1)	(1)	mainly +-limonene	6
Orange oil,	bitter	—	068916-04-1	2/3	4/4	3/4	4/4	(1)	(1)		7
Oxacyclopentadiene	-> see: Furan	—	—	—	—	—	—	—	—		8
Oxalic acid	C2H2O4x2H2O	000144-62-7	aqueous	1/1	0/0	0/0	1/0	2/3	1/3	Ethanedioic acid;	9
Oxalic acid	C2H2O4x2H2O	000144-62-7	—	1/1	1/1	1/1	1/0	2/3	1/3		10
Oxygen	O2	007782-44-7	techn pure	1/3	1/0	1/1	1/0	(1)	(1)		11
Ozone	O3	010028-15-6	—	3/4	2/2	1/2	1/0	0/0	0/0		12
Ozone-air-mixture	—	—	—	3/4	0/0	0/0	1/0	0/0	0/0		13
Palm kernel oil	—	0	008023-79-8	1/3	1/1	0/0	4/4	1/1	1/1		14
Palm oil	—	008002-75-3	—	1/3	0/0	1/0	4/4	1/1	1/1		15
Palmitic acid	C16H32O2	000057-10-3	techn pure	3/4	1/1	1/1	4/4	1/1	1/1		16
Paraffin wax	—	008002-74-2	melted	(2)	0	0	4	1	1		17
Paraffin-emulsion	—	—	—	1/3	0/0	1/0	(4)	(1)	(1)		18
Paraffins	CnH2n+2	—	100%	1/1	1/0	1/0	4/4	1/1	1/1		19
Paraformaldehyde	(CH2O)nH2O	030525-89-4	—	1/0	0/0	0/0	3/0	(1)	(1)	Polyoxymethylene;	20
Peanut oil	—	008002-03-7	—	1/1	1/1	0/0	4/4	(1)	(1)		21
Pectin	—	009000-69-5	aqueous	1/1	1/1	1/1	1/1	1/1	1/1		22
Pectin	—	009000-69-5	—	1/1	1/1	1/1	1/1	1/1	1/1		23
Pelargonic alcohol	-> see: Nonyl alcohol	—	—	—	—	—	—	—	—		24
Penicillin	—	—	0	(2)	0/0	0/0	(2)	(1)	(1)	antibiotic	25
Pentachlorbiphenyl	C12H5Cl5	—	0	4/4	0/0	0/0	4/4	0/0	0/0		26
Pentamethyleneimine	-> see: Piperidine	—	—	—	—	—	—	—	—		27
Pentane,normal	C5H12	000109-66-0	—	(3)	3/0	0/0	4/4	1/1	1/1		28
Pentane-thiol,1-	C5H12S	000110-66-7	—	(2)	0/0	0/0	4/4	(1)	(1)	Amyl alcohol, n-; Butyl carbinol,	29
Pentanol,1-	C5H12O	000071-41-0	—	1/1	1/3	2/3	3/0	1/1	1/1		30
Pentane,3-	C5H10O	000096-22-0	—	2/2	4/4	4/4	(3)	(1)	(1)	Diethyl ketone; Dimethylacetone; Methacetone	31
Pentyl alcohol, n-	-> see: Pentanol, 1-	—	—	—	—	—	—	—	—		32
Pepper	—	—	ground	(2)	4/4	0/0	(2)	(1)	(1)		33
Perchloric acid	HClO4	007601-90-3	70%	4/4	2/3	3/4	3/0	0/0	0/0		34
Perchloric acid	HClO4	007601-90-3	20%	1/3	0/0	1/3	2/0	0/0	0/0		35
Perchlorobutadiene	C4Cl6	000087-68-3	—	(3)	4/4	0/0	4/4	0/0	0/0		36
Perchloroethylene	-> see: Tetrachloroethylene	—	—	—	—	—	—	—	—		37
Perfluorocyclobutane	C4F8	000115-25-3	—	(3)	0/0	0/0	1/0	0/0	0/0		38
Perfumes	—	—	—	1/0	4/4	1/0	(3)	(1)	(1)		39
Permanganic acid,potassium salt	-> see: Potassium permanganate	—	—	—	—	—	—	—	—		40
Petroleum	—	008002-05-9	—	1/0	0/0	0/0	4/4	(1)	(1)		41
Petroleum ether	—	008032-32-4	techn pure	1/3	4/4	1/1	4/4	1/1	1/1		42
Phenacetin	C10H13NO2	000062-44-2	0	(2)	0/0	0/0	(2)	(1)	(1)		43
Phenethyl alcohol	C8H10O	000060-12-8	0	1/0	0/0	0/0	(3)	(1)	(1)		44
Phenetole	-> see: Ethoxybenzene	—	—	—	—	—	—	—	—		45
Phenol	C6H6O	000108-95-2	10%	1/1	4/4	1/3	4/4	1/2	1/1		46
Phenol	C6H6O	000108-95-2	100%	1/2	4/4	4/4	4/4	1/2	1/1		47
Phenolic resin mass	—	—	—	1/1	0/0	0/0	(4)	(1)	(1)		48
Phenyl chloride	-> see: Chlorobenzene	—	—	—	—	—	—	—	—		49
Phenyl methyl ketone	-> see: Acetophenone	—	—	—	—	—	—	—	—		50
Phenylethanone,1-	-> see: Acetophenone	—	—	—	—	—	—	—	—		51
Phenylhydrazine	C6H8N2	000100-63-0	techn pure	3/4	0/0	4/4	4/4	0/0	0/0		52
Phenylhydrazine	hydrochloride	C6H8N2-HCl	000059-88-1	1/3	0/0	3/0	(3)	(4L)	(4L)		53
Phenylsulfonate	—	070528-83-5	—	1/1	0/0	0/0	0/0	0/0	0/0		54
Phosgene	COCl2	000075-44-5	liquid	0/0	0/0	0/0	(3)	3/4	3/4	Carbonyl chloride; Chloroformyl chloride	55
Phosgene	COCl2	000075-44-5	gaseous	3/4	0/0	4/4	(3)	3/4	3/4		56
Phosphates	—	—	aqueous	3/4	0/0	0/0	(1)	(1)	(1)	salts of phosphoric acid	57
Phosphine	PH3	007803-51-2	concentrated	(3)	0/0	1/0	1/0	0/0	0/0		58
Phosphoric acid	H3PO4	007664-38-2	30%	1/1	1/1	0/0	1/0	1/3	1/2		59
Phosphoric acid	H3PO4	007664-38-2	85%	1/2	1/2	1/2	3/0	2/4	1/3		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Phosphoric acid	H3PO4	007664-38-2	1-5%	1/1	2/2	1/1	1/0	1/1	1/1		1
Phosphoric acid	H3PO4	007664-38-2	20%	1/1	0/0	0/0	1/0	1/3	1/2		2
Phosphorus oxychloride	PCl3O	010025-87-3	100%	1/3	0/0	4/4	1/0	1/3L	1/3L		3
Phosphorus oxychloride	PCl3O	010025-87-3		1/3	0/0	4/4	1/0	1/3L	1/3L		4
Phosphorus pentachloride	PCl5	010026-13-8		1/1	0/0	4/4	(3)	1/3L	1/3L		5
Phosphorus pentoxide	P4O10	001314-56-3	techn pure	1/0	0/0	1/0	(3)	1/0	1/0		6
Phosphorus trichloride	PCl3	007719-12-2		1/3	0/0	4/4	1/0	0/0	0/0		7
Phthalic acid	C8H6O4	000088-99-3	saturated	1/1	1/0	1/4	1/0	1/1	1/1		8
Phthalsäuremonoamylester ?	C13H16O4	??		(2)	0/0	0/0	(2)	(1)	(1)		9
Picric acid	C6H3N3O7	000088-89-1	1% aqueous	1/1	0/0	1/0	3/0	1/0	1/0		10
Pine oil	—	008023-99-2		1/1	4/4	0/0	4/4	(1)	(1)	pinus sylvestris	11
Pineapple juice	—	—	—	1/0	0/0	0/0	(2)	(1)			12
Pink	—	—	ground	(2)	4/4	0/0	(2)	(1)	(1)		13
Piperidine	C5H11N	000110-89-4		(2)	0/0	0/0	4/4	(1)	(1)	Hexahydropyridine; Azacyclohexane; Pentamethyleneimine	14
Plasticiser	—	—		1/3	0/0	0/0	(2-3)	(1)	(1)		15
Polish remover	—	—	?	1/3	4/4	0/0	(3)	(1)	(1)		16
Polyester resins	—	—	(Xn)	3/0	0/0	0/0	4/4	(1)	(1)		17
Polyethylene glycol	HO-(C2H4O)n-H	025322-68-3	100%	1/1	0/0	0/0	(2-3)	(1)	(1)		18
Polyoxymethylene	-> see: Paraformaldehyde										19
Polyran M25 N	—	—	80°C	0	0	0	0/0	(1)	(1)	lubricating oil	20
Polyran M400	—	—	80°C	0	0	0	0/0	(1)	(1)	lubricating oil	21
Polysolvan O	C6H12O3	007397-62-8	100%	(2)	0/0	0/0	0/0	(1)	(1)	solvent cleaner, butyl glycolate; Celanese AG	22
Potassium acetate	C2H3KO2	000127-08-2	aqueous	1/1	0/0	1/0	1/1	1/1	1/1		23
Potassium bisulfate	KHSO4	007646-93-7	aqueous	1/1	0/0	0/0	1/0	4/4	4/4		24
Potassium bisulfate	KHSO4	007646-93-7		1/1	1/1	0/0	1/0	4/4	4/4		25
Potassium bitartrate	C4H5KO6	000868-14-4	saturated	1/1	0/0	1/0	(2)	1/3	1/2		26
Potassium borate	KBO2	012228-88-5	10%	1/1	0/0	1/3	1/0	0/0	0/0		27
Potassium borate	KBO2	012228-88-5	aqueous	1/1	0/0	0/0	1/0	0/0	0/0		28
Potassium bromate	KBrO3	007758-01-2	saturated	1/1	1/1	1/3	1/0	0/0	0/0		29
Potassium bromate	KBrO3	007758-01-2	aqueous	1/1	0/0	0/0	1/0	0/0	0/0		30
Potassium bromide	KBr	007758-02-3	each	1/1	1/1	1/3	1/0	1/0L	1/0L		31
Potassium carbonate	K2CO3	000584-08-7	saturated	1/1	1/1	1/1	1/0	1/1	1/1		32
Potassium carbonate	K2CO3	000584-08-7	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		33
Potassium chlorate	KClO3	003811-04-9	saturated	1/1	1/0	1/1	1/0	1/1	1/1		34
Potassium chlorate	KClO3	003811-04-9	aqueous	1/1	1/0	1/1	1/0	1/1	1/1		35
Potassium chloride	KCl	007447-40-7	aqueous	1/1	1/1	1/1	1/0	1/1L	1/1L		36
Potassium chromate	K2CrO4	007789-00-6	saturated	1/1	1/1	1/1	1/0	(1)	(1)		37
Potassium chromate	K2CrO4	007789-00-6	aqueous	1/1	0/0	0/0	1/0	(1)	(1)		38
Potassium cyanide	KCN	000151-50-8	saturated	1/1	0/0	1/3	1/0	1/0	1/0		39
Potassium cyanide	KCN	000151-50-8	aqueous	1/1	0/0	1/3	1/0	1/0	1/0		40
Potassium dichromate	K2Cr2O7	007778-50-9	saturated	1/1	1/3	1/3	1/0	1/1	1/1		41
Potassium dichromate	K2Cr2O7	007778-50-9	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		42
Potassium ferricyanide	C6FeK3N6	013746-66-2	each	1/1	1/1	1/3	(1)	1/1	1/1		43
Potassium ferrocyanide	C6FeK4N6x3H2O	014459-95-1	saturated	1/1	0/0	1/1	(1)	1/1	1/1		44
Potassium ferrocyanide	C6FeK4N6x3H2O	014459-95-1	diluted	1/1	0/0	1/3	(1)	1/1	1/1		45
Potassium fluoride	KF	007789-23-3		1/1	0/0	0/0	(1)	1/1	1/1		46
Potassium hydrogen carbonate	CHKO3	000298-14-6	saturated	1/1	0/0	0/0	1/1	(1)	(1)		47
Potassium hydroxide	KHO	001310-58-3	10%	1/1	0/0	0/0	1/0	1/1	1/1	Caustic potash; Potassium hydrate; Potassium lye	48
Potassium hydroxide	KHO	001310-58-3	30%	1/1	1/0	1/3	1/0	1/1	1/1		49
Potassium hydroxide	KHO	001310-58-3	50%	1/1	2/2	1/3	1/0	1/1	1/1		50
Potassium hydroxide	KHO	001310-58-3	concentrated	1/1	2/2	1/2	1/0	1/1	1/1		51
Potassium hydroxide	KHO	001310-58-3	1%	1/1	2/2	1/1	1/0	1/1	1/1		52
Potassium hypochlorite	KClO	007778-66-7	diluted	1/3	3/0	1/0	3/0	3/3L	2/2L		53
Potassium iodate	KJO3	007758-05-6		1/1	0/0	0/0	(1)	1/1	1/1		54
Potassium iodide	KJ	007681-11-0	saturated	1/1	1/1	1/1	1/0	1/1L	1/1L		55
Potassium iodide	KJ	007681-11-0	aqueous	1/1	0/0	0/0	1/0	1/1L	1/1L		56
Potassium lye	-> see: Potassium hydroxide										57
Potassium nitrate	KNO3	007757-79-1	50%	1/1	1/1	1/1	1/0	1/1	1/1	Salt peter; Nitric acid, potassium salt	58
Potassium nitrate	KNO3	007757-79-1	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		59
Potassium perchlorate	KClO4	007778-74-7	saturated	1/1	0/0	1/3	1/0	1/1	1/1		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Potassium perchlorate	KClO4	007778-74-7	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		1
Potassium permanganate	KMnO4	007722-64-7	aqueous	1/1	0/0	0/0	1/0	1/1	1/1	Permanganic acid, potassium salt;Condy's crystals;	2
Potassium permanganate	KMnO4	007722-64-7		1/1	1/3	1/3	1/0	1/1	1/1		3
Potassium persulfate	K2(SO4)2	007727-21-1	each	1/1	1/0	1/3	1/0	1/0	1/0		4
Potassium sulfate	K2SO4	007778-80-5	aqueous	1/1	0/0	0/0	1/1	1/1	1/1		5
Potassium sulfide	K2S	001312-73-8	diluted	1/1	1/1	1/0	(1)	1/1	1/1		6
Potassium sulfite	K2SO3	010117-38-1	saturated	1/1	0/0	0/0	1/0	1/0	1/0		7
Potassium thiosulfate	K2S2O3	010233-00-8	saturated	1/1	0/0	0/0	(1)	(1)	(1)		8
Precipitated silica	SiO2	001343-98-2	each	1/1	1/1	1/1	1/1	1/1	1/1		9
Prontosil	—	—	—	(2)	0/0	0/0	(2)	0/0	0/0	for chemotherapy; Bayer - no more available	10
Propane	C3H8	000074-98-6	liquid	1/0	0/0	1/0	4/4	1/1	1/1		11
Propane	C3H8	000074-98-6	gaseous	2/4	4/4	1/2	4/4	1/1	1/1		12
Propanetriol, 1,2,3-	-> see: Glycerol										13
Propanone, 2-	-> see: Acetone										14
Propargyl alcohol	C3H4O	000107-19-7	7%	1/1	0/0	1/1	1/0	(1)	(1)		15
Propenenitrile, 2-	-> see: Acrylonitrile										16
Propenyl alcohol	-> see: Allyl alcohol										17
Propionic acid	C3H6O2	000079-09-4	50%	1/1	4/4	1/3	3/0	(1)	(1)		18
Propionic acid	C3H6O2	000079-09-4		1/3	4/4	4/4	4/4	1/2	1/1		19
Propyl acetate, normal	C5H10O2	000109-60-4		(2)	0/0	0/0	3/0	(1)	(1)		20
Propyl alcohol	C3H8O	000071-23-8		1/1	3/0	2/2	1/0	(1)	(1)		21
Propyl carbinol	-> see: Butyl alcohol, normal										22
Propyl nitrate	C3H7NO3	000627-13-4	(E Xn)	(2)	0/0	0/0	3/0	(1)	(1)		23
Propylamine, n-	C3H9N	000107-10-8		(2)	0/0	0/0	4/4	(1)	(1)		24
Propylene	C3H6	000115-07-1		1/1	4/4	3/4	4/4	1/1	1/1		25
Propylene glycol	C3H8O2	000057-55-6	—	1/1	1/1	3/4	1/0	(1)	(1)		26
Propylene oxid	C3H6O	000075-56-9		1/2	4/4	3/4	3/0	(1)	(1)	Epoxypropane, 1,2-; Methyloxirane;Methyl ethylene oxide	27
Pydraul C (312, 540)	—	—	—	0/0	0/0	0/0	4/4	(1)	(1)	based on phosphoric ester; Monsanto	28
Pydraul E (29, 30, 50, 65, 90, 11)	—	—	—	0/0	0/0	0/0	1/0	(1)	(1)	based on phosphoric ester; Monsanto	29
Pyridine	C5H5N	000110-86-1		3/3	4/4	4/4	4/4	1/1	1/1	Azine; Azabenzene	30
Pyrogallic acid	C6H6O3	000087-66-1		1/0	3/0	0/0	(3)	1/1	1/1		31
Pyrolygneous oil	—	008001-20-5	—	(2)	0/0	0/0	4/4	(1)	(1)		32
Pyrrrole	C4H5N	000109-97-7		(3)	0/0	0/0	4/4	(1)	(1)	Azole; Imidole	33
Quinine	C20H24N2O2	000130-95-0		1/1	0/0	0/0	(2)	(1)	(1)		34
Quinol	-> see: Hydroquinone										35
Ramasit	—	—	?	0/0	0/0	1/1	0/0	0/0	0/0	for moisture-proofing of textiles; BASF	36
Resorcinol	C6H6O2	000108-46-3	5%	1/1	2/3	2/4	(3)	0/0	0/0		37
Resorcinol	C6H6O2	000108-46-3	saturated	1/1	2/3	3/4	(3)	0/0	0/0		38
Roaster off-gas	—	—	each	1/1	0/0	0/0	1/0	(2)	(2)		39
Rose oil	—	008007-01-0		(2)	4/4	0/0	(3)	(1)	(1)		40
Rum ether	—	008030-89-5		(2)	4/4	0/0	(3)	(1)	(1)		41
Sagrotan	—	—	liquid	1/3	3/4	0/0	1/0	(1)	(1)	disinfectant; Schülke & Mayr	42
Salicyl acid	C7H6O3	000069-72-7	saturated	1/1	1/2	2/3	1/0	1/0	1/0		43
Salicyl acid	C7H6O3	000069-72-7	powder	1/1	1/1	2/3	1/0	1/0	1/0		44
Salicylaldehyde	C7H6O2	000090-02-8		1/2	4/4	3/4	(3)	(1)	(1)		45
Salt spring	NaCl	007647-14-5	saturated	1/1	0/0	0/0	1/0	1/3	1/2		46
Salt water, sea	water	—	—	1/1	1/1	1/3	1/1	1/3L	1/2L		47
Saltpeter	-> see: Potassium nitrate										48
Saturated steam condensate	—	—	—	1/1	0/0	0/0	(2)	1/1	1/1		49
Sea water	—	—	—	1/1	0/0	1/3	1/1	1/2L	1/1		50
Silicofluoric acid	H2SiF6	016961-83-4	32%	1/1	0/0	1/1	3/0	(2)	1/1		51
Silicone greases	—	—	—	1/1	0/0	0/0	1/0	1/1	1/1		52
Silicone oil	—	—	—	1/1	3/3	1/4	1/0	1/1	1/1	polysiloxane	53
Silver acetate	C2H3AgO2	000563-63-3		1/1	2/2	2/2	(1)	0/0	0/0		54
Silver cyanide	CAgN	000506-64-9		1/1	0/0	0/0	(1)	0/0	0/0		55
Silver nitrate	AgNO3	007761-88-8	aqueous	1/1	0/0	0/0	1/0	1/1	1/1	lunar caustic	56
Silver nitrate	AgNO3	007761-88-8		1/2	2/3	1/2	1/0	1/1	1/1	lunar caustic	57
Skydrol 500 (B4)	—	—	—	0/0	0/0	0/0	1/0	(1)	(1)	based on phosphoric ester; Solutia	58
Skydrol 7000	—	—	—	0/0	0/0	0/0	1/0	(1)	(1)	based on phosphoric ester; Solutia	59
Soaps, liquid	—	—	—	1/1	0/0	0/0	(2)	0/0	0/0		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Soapy solution	—	—	each	1/1	0/0	1/3	1/0	1/1	1/1		1
Sodium acetate	C2H3NaO2	000127-09-3	each	1/1	2/2	2/3	1/0	1/1	1/1	Acetic acid sodium salt;	2
Sodium benzoate	C7H5NaO2	000532-32-1	36%	1/1	0/0	0/0	1/0	(1)	(1)		3
Sodium benzoate	C7H5NaO2	000532-32-1	aqueous	1/1	0/0	0/0	1/0	1/0	1/0		4
Sodium benzoate	C7H5NaO2	000532-32-1		1/1	1/1	1/3	1/0	1/0	1/0		5
Sodium bicarbonate	NaHCO3	000144-55-8	aqueous	1/1	0/0	0/0	1/1	1/1	1/1		6
Sodium bisulfate	NaHSO4	007681-38-1	10%	1/1	0/0	1/3	1/0	1/2	1/1		7
Sodium bisulfate	NaHSO4	007681-38-1	each	1/1	1/3	1/4	1/0	(2)	1/1		8
Sodium bisulfite	NaHSO3	007631-90-5	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		9
Sodium borate	Na2B4O7x10H2O	001303-96-4	saturated	1/1	1/1	1/3	1/1	1/1	1/1		10
Sodium borate	Na2B4O7x10H2O	001303-96-4	aqueous	1/1	0/0	0/0	1/1	1/1	1/1		11
Sodium bromate	NaBrO3	007789-38-0	each	1/1	1/1	1/0	(2)	1/1L	1/1L		12
Sodium bromide	NaBr	007647-15-6	each	1/1	1/1	1/3	(1)	0/0	0/0		13
Sodium carbonate	Na2CO3	000497-19-8	saturated	1/1	1/1	1/1	1/1	1/1	1/1		14
Sodium carbonate	Na2CO3	000497-19-8	aqueous	1/1	0/0	0/0	1/1	1/1	1/1		15
Sodium carbonate	Na2CO3	000497-19-8	0	1/1	2/0	1/1	1/1	1/1	1/1		16
Sodium chlorate	NaClO3	007775-09-9	each	1/1	1/0	1/3	1/0	1/1L	1/1L	Chloric acid, sodium salt;	17
Sodium chlorate	NaClO3	007775-09-9	aqueous	1/1	0/0	0/0	1/0	1/1L	1/1L		18
Sodium chloride	NaCl	007647-14-5	each	1/1	1/1	1/3	1/1	1/2	1/2		19
Sodium chloride	NaCl	007647-14-5	aqueous	1/1	1/1	1/1	1/1	1/2	1/2		20
Sodium chlorite	NaClO2	007758-19-2	diluted	1/3	0/0	3/0	1/0	3/4	3/3		21
Sodium chromate	NaCrO4	007775-11-3	diluted	1/1	1/1	1/3	1/0	1/1	1/1		22
Sodium cyanide	CNNa	000143-33-9	saturated	1/1	0/0	0/0	1/0	(2)	(2)	Hydrocyanic acid, sodium salt;	23
Sodium cyanide	CNNa	000143-33-9	aqueous	1/1	0/0	0/0	1/0	(2)	(2)		24
Sodium dichromate	Na2Cr2O7	010588-01-9		1/1	1/1	1/0	1/0	(1)	(1)		25
Sodium dithionite	-> see: Sodium hydrosulfite										26
Sodium dodecylbenzene sulfonate	C18H29NaSO3	025155-30-0		1/1	0/0	0/0	(1)	(1)	(1)		27
Sodium ferrocyanide	C6FeNa4N6	013601-19-9		1/1	0/0	0/0	(1)	(1)	(1)		28
Sodium fluoride	NaF	007681-49-4	saturated	1/1	1/0	1/0	1/0	0/0	0/0		29
Sodium hydrosulfite	Na2S2O4	007775-14-6	10%	1/1	0/0	1/3	1/0	1/1	1/1	Sodium dithionite; Dithionous acid, disodium salt; Sodium sulfoxylate;	30
Sodium hydrosulfite	Na2S2O4	007775-14-6		1/1	0/0	1/3	1/0	1/1	1/1		31
Sodium hydroxide	NaOH	001310-73-2	concentrated	1/1	0/0	0/0	1/0	(2)	(2)	caustic soda, sodium hydrate, soda lye	32
Sodium hydroxide	NaOH	001310-73-2	30%	1/1	1/0	1/3	1/0	1/3	1/3	caustic soda, sodium hydrate, soda lye	33
Sodium hydroxide	NaOH	001310-73-2	45%	1/1	1/1	1/3	1/0	1/3	1/3	caustic soda, sodium hydrate, soda lye	34
Sodium hydroxide	NaOH	001310-73-2	50%	1/1	2/2	1/2	1/0	1/3	1/3	caustic soda, sodium hydrate, soda lye	35
Sodium hydroxide	NaOH	001310-73-2	60%	1/1	1/0	0/0	1/0	1/3	1/3	caustic soda, sodium hydrate, soda lye	36
Sodium hydroxide	NaOH	001310-73-2	1%	1/1	2/2	1/1	1/0	1/1	1/1	caustic soda, sodium hydrate, soda lye	37
Sodium hypochlorite	NaClO	007681-52-9	diluted	2/3	1/3	1/3	3/0	3/3L	2/2L	sodium oxychloride, sodium chloride oxide	38
Sodium hypochlorite	NaClO	007681-52-9	15%	2/3	1/3	1/1	3/0	3/3L	2/2L	sodium oxychloride, sodium chloride oxide	39
Sodium hypochlorite	NaClO	007681-52-9	saturated	2/3	1/3	1/3	3/0	3/3L	2/2L	sodium oxychloride, sodium chloride oxide	40
Sodium hypochlorite	NaClO	007681-52-9	12,5% Cl	2/3	1/3	1/3	3/0	3/3L	2/2L	sodium oxychloride, sodium chloride oxide	41
Sodium iodide	NaI	007681-82-5	each	1/0	0/0	1/3	(1)	3/4	3/4		42
Sodium metabisulfite	Na2S2O5	007681-57-4	each	1/1	0/0	1/3	1/0	1/1	1/1		43
Sodium nitrate	NaNO3	007631-99-4	saturated	1/1	1/1	1/3	1/0	1/1	1/1	chile saltpeter	44
Sodium nitrate	NaNO3	007631-99-4	aqueous	1/1	0/0	0/0	1/0	1/1	1/1	chile saltpeter	45
Sodium nitrite	NaNO2	007632-00-0	saturated	1/1	1/1	1/0	1/0	1/1	1/1	Nitrous acid, sodium salt;	46
Sodium nitrite	NaNO2	007632-00-0	aqueous	1/1	0/0	0/0	1/0	1/1	1/1		47
Sodium oxalate	C2Na2O4	000062-76-0	saturated	1/1	0/0	1/3	(1)	(2)	(2)		48
Sodium perborate	NaBO2(HO)2x3H2O	013517-20-9	saturated	1/1	1/1	1/0	1/0	1/0	1/0		49
Sodium perborate	NaBO2(HO)2x3H2O	013517-20-9	aqueous	1/1	0/0	0/0	1/0	1/0	1/0		50
Sodium perchlorate	NaClO4	007601-89-0	saturated	1/1	0/0	1/0	1/0	1/1	1/1		51
Sodium peroxide	Na2O2	001313-60-6	10%	2/2	0/0	1/1	1/0	1/1	1/1		52
Sodium peroxide	Na2O2	001313-60-6	saturated	2/2	0/0	1/0	1/0	(2)	(2)		53
Sodium persulfate	Na2S2O8	007775-27-1	saturated	1/1	0/0	1/3	1/0	0/0	1/0		54
Sodium phosphate	Na3PO4x12H2O	010101-89-0	saturated	1/1	1/1	1/3	1/1	1/1	1/1		55
Sodium phosphate	Na3PO4x12H2O	010101-89-0	aqueous	1/1	0/0	0/0	1/1	1/1	1/1		56
Sodium polyphosphates	(NaPO3)6	068915-31-1	saturated	1/1	0/0	0/0	1/0	0/0	0/0		57
Sodium silicate	Na2Si3O7	001344-09-8	each	1/1	1/0	1/3	1/0	1/1	1/1		58
Sodium silicate	Na2Si3O7	001344-09-8	saturated	1/1	1/1	1/3	1/0	1/1	1/1	waterglass	59
Sodium stearate	C18H35NaO2	000822-16-2	aqueous	1/1	0/0	0/0	(2)	1/1	1/1		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Sodium sulfate	Na2SO4	007757-82-6	saturated	1/1	1/1	1/3	1/1	1/1	1/1		1
Sodium sulfate	Na2SO4	007757-82-6	aqueous	1/1	0/0	1/3	1/1	1/1	1/1		2
Sodium sulfate	Na2SO4	007757-82-6	—	1/1	0/0	0/0	1/1	1/1	1/1		3
Sodium sulfide	Na2S	001313-82-2	saturated	1/1	1/1	1/3	1/0	(1)	(1)		4
Sodium sulfide	Na2S	001313-82-2	aqueous	1/1	0/0	0/0	1/0	1/2	1/2		5
Sodium sulfite	Na2SO3	007757-83-7	saturated	1/1	1/1	1/3	1/0	1/1	1/1	Sulfurous acid, disodium salt;	6
Sodium sulfoxylate	-> see: Sodium hydrosulfite										7
Sodium thiosulfate	Na2S2O3x5H2O	010102-17-7	each	1/1	0/0	0/0	1/0	1/1	1/1	fixer natron, "sodium hyposulfite"	8
Sodium thiosulfate	Na2S2O3x5H2O	010102-17-7	saturated	1/1	1/1	1/3	1/0	1/1	1/1	fixer natron, "sodium hyposulfite"	9
Sodium thiosulfate	Na2S2O3x5H2O	010102-17-7	aqueous	1/1	0/0	0/0	1/0	1/1	1/1	fixer natron, "sodium hyposulfite"	10
Soft soap	—	—	diluted	1/1	0/0	1/3	(2)	(1)	(1)		11
Soya oil	—	008001-22-7	—	1/0	0/0	0/0	4/4	1/1	1/1		12
Spermaceti	—	008002-23-1	—	0/0	0/0	0/0	1/0	1/1	1/1		13
Spindle oil	—	—	0	1/4	0/0	3/0	(4)	1/1	1/1		14
Spinning bath acid	—	—	100mg CS2/l	1/0	0/0	1/0	(3)	3/4	2/4		15
Spirit (of wine)	C2H6O	—	0	1/1	3/4	1/3	1/0	1/1	1/1	ethyl alcohol	16
Spirits	C2H6O	—	—	1/1	0/0	1/1	1/0	1/1	1/1	ethyl alcohol 40%	17
Spirits of Turpentine	—	008006-64-2	0	4/4	4/4	2/3	4/4	1/1	1/1		18
Spirits of wine	C2H6O	—	50%	1/1	1/0	1/0	1/0	1/1	1/1	ethyl alcohol	19
Spirits of wine	C2H6O	—	96%	1/1	3/4	1/3	1/0	1/1	1/1	ethyl alcohol	20
Spruce oil	—	008008-80-8	0	1/2	4/4	3/4	4/4	(1)	(1)	pinus sylvestris	21
Stannic chloride	SnCl4	007646-78-8	aqueous	1/1	4/4	0/0	1/0	4/4	3/4		22
Stannous chloride	SnCl2	007772-99-8	aqueous	1/1	0/0	0/0	1/0	4/4	3/4		23
Stannous chloride	SnCl2	007772-99-8	saturated	1/1	1/1	1/0	1/0	4/4	3/4		24
Starch solution	(C6H10O5)n	—	each	1/1	0/0	1/1	1/1	1/1	1/1		25
Starch syrup	—	—	—	1/1	0/0	1/1	1/1	1/1	1/1		26
Stauffer grease, thick	—	—	—	(2)	1/4	0/0	4/4	1/1	1/1		27
Steam H2O—up to 150°C	—	—	—	(3)	0	0	1	1/1	1/1		28
Stearic acid	C18H36O2	000057-11-4	crystals	1/3	1/2	1/2	3/0	1/1	1/1		29
Strontium bromide	SrBr2	010476-81-0	—	1/1	0/0	0/0	(1)	0/0	0/0		30
Strychnine	C21H22N2O2	000057-24-9	—	(1)	1/1	0/0	(2)	(1)	(1)		31
Styrene	C8H8	000100-42-5	100%	3/4	0/0	4/4	4/4	1/1	1/1		32
Succinic acid	C4H6O4	000110-15-6	50%	1/1	0/0	2/0	1/0	1/0	1/0		33
Succinic acid	C4H6O4	000110-15-6	saturated	1/1	1/1	1/3	1/0	1/0	1/0		34
Sugar acid	—	—	saturated	1/1	0/0	0/0	1/0	0/0	0/0		35
Sugarbeetjuice	—	—	—	1/1	1/0	1/0	1/0	(1)	(1)		36
Sugar syrup	—	—	—	1/1	1/1	1/3	1/1	1/1	1/1		37
Sulfur	S8	007704-34-9	techn pure	1/1	1/1	3/0	3/0	1/1	1/1	flower of sulfur	38
Sulfur (mono)chloride	S2Cl2	010025-67-9	—	4/4	0/0	0/0	4/4	1/1L	1/1L		39
Sulfur dioxide	SO2	007446-09-5	damp	1/3	3/4	1/2	1/0	1/1	1/1	with H2O->sulfurous acid	40
Sulfur dioxide	SO2	007446-09-5	liquid	4/4	4/4	3/4	1/0	(1)	(1)	with H2O->sulfurous acid	41
Sulfur hexafluoride	SF6	002551-62-4	—	(2)	0/0	0/0	1/0	(1)	(1)		42
Sulfur trioxide	SO3	007446-11-9	—	4/4	0/0	4/4	3/0	(1)	(1)		43
Sulfur, melted, 121°C	S8	007704-34-9	—	4	4	0	4	1	1		44
Sulfuric acid	H2SO4	007664-93-9	40%	1/1	2/0	1/3	(3)	2/3	2/3		45
Sulfuric acid	H2SO4	007664-93-9	60%	1/3	2/4	1/2	4/4	4/4	3/4		46
Sulfuric acid	H2SO4	007664-93-9	80%	1/1	3/4	1/1	4/4	2/4	2/3		47
Sulfuric acid	H2SO4	007664-93-9	95%	3/4	4/4	2/4	4/4	1/3	1/3		48
Sulfuric acid	H2SO4	007664-93-9	fuming	4/4	4/4	4/4	4/4	1/2	1/1	oleum	49
Sulfuric acid	H2SO4	007664-93-9	1-6%	1/1	1/2	1/2	1/0	2/2	1/2		50
Sulfuric acid	H2SO4	007664-93-9	20%	1/2	1/2	1/2	2/0	2/3	2/3		51
Sulfuric acid	-> see: Battery acid										52
Sulfurous acid	H2SO3	007782-99-2	saturated	1/1	0/0	1/1	3/0	1/1	1/1		53
Sulfurous acid, disodium salt	-> see: Sodium sulfite										54
Sulfuryl chloride	Cl2SO2	007791-25-5	techn pure	4/4	0/0	4/4	3/0	0/0	0/0		55
Tallow	—	—	techn pure	1/1	0/0	1/1	3/0	1/1	1/1		56
Tannic acid	C76H52O46	001401-55-4	10%	1/1	3/3	1/1	3/0	1/1	1/1		57
Tannic acid	C76H52O46	001401-55-4	—	1/1	1/1	0/0	3/0	1/1	1/1		58
Tanning extracts	—	—	—	1/3	0/0	0/0	3/0	1/1	1/1		59
Tanning extracts, vegetable	—	—	techn usually	1/1	0/0	1/0	3/0	1/1	1/1		60

chemicals	Formula	Cas-No	concentration	PP (polyolefine)	PS (styrenics)	PVC	EPDM	V2A	V4A	comments	
Tar	—	—	—	(2)	1/0	1/0	4/4	(1)	(1)		1
Tartaric acid	C4H6O6	000087-69-4	aqueous	1/1	0/0	0/0	3/0	1/3	1/2		2
Tartaric acid	C4H6O6	000087-69-4	—	1/1	2/2	1/2	3/0	1/3	1/2		3
Tetrabromoethane (TBE)	C2H2Br4	—	100%	3/4	4/4	4/4	4/4	0/0	0/0	isomer not indicated in the source	4
Tetrachlorethane	C2H2Cl4	—	techn pure	3/4	4/4	4/4	4/4	0/0	0/0	isomer not indicated in the source	5
Tetrachlorodifluoroethane	C2Cl4F2	000076-12-0	—	(3)	0/0	0/0	4/4	0/0	0/0		6
Tetrachloroethylene	C2Cl4	000127-18-4	—	4/4	4/4	4/4	4/4	0/0	0/0	Perchloroethylene;Tetrachloroethene	7
Tetrahydrofuran (THF)	C4H8O	000109-99-9	—	3/4	4/4	4/4	4/4	(1)	(1)		8
Tetrahydrofurfuryl alcohol	C5H10O2	000097-99-4	—	(2)	0/0	0/0	(3)	(1)	(1)		9
Tetrahydronaphthalene	C10H12	000119-64-2	techn pure	4/4	4/4	4/4	4/4	1/1	1/1		10
Thiocyanic acid, ammonium salt	-> see: Ammonium thiocyanate	—	—	—	—	—	—	—	—		11
Thioglycolic acid	C2H4SO2	000068-11-1	—	1/1	0/0	0/0	(3)	0/0	1/1		12
Thionyl chloride	Cl2SO	007719-09-7	techn pure	4/4	4/4	4/4	3/0	0/0	0/0		13
Thiophene	C2H4S	000110-02-1	—	3/4	4/4	0/0	4/4	(1)	(1)		14
Thymol	C10H14O	000089-83-8	—	(3)	3/4	0/0	(4)	(1)	(1)		15
Titanium (tetra)chloride	TiCl4	007550-45-0	—	(3)	0/0	0/0	4/4	0/0	0/0		16
Toluene	—	092045-38-0	100%	1/3	0/0	0/0	4/4	1/1	1/1		17
Train	oil	—	—	(2)	0/0	0/0	3/4	(1)	(1)		18
Transformer oil	—	—	—	1/3	1/3	1/0	4/4	(1)	(1)		19
Triacetin	C9H14O6	000102-76-1	—	(2)	0/0	0/0	1/0	(1)	(1)		20
Tribromomethane	CHBr3	000075-25-2	—	4/4	4/4	4/4	4/4	0/0	0/0		21
Tributyl citrate (TBC)	C18H32O7	000077-94-1	—	2/3	4/4	3/4	(3)	(1)	(1)		22
Tributyl phosphate (TBP)	C12H27PO4	000126-73-8	techn pure	1/3	0/0	4/4	3/0	(1)	(1)		23
Trichloroacetaldehyde	C2HCl3O	000075-87-6	100%	1/1	0/0	4/4	3/0	0/0	0/0		24
Trichloroacetic acid	(TCA) C2HCl3O2	000076-03-9	—	1/1	4/4	4/4	3/0	3/0L	2/0L		25
Trichlorobenzene	C6H3Cl3	—	100%	4/4	4/4	4/4	(4)	0/0	0/0	isomer not indicated in the source	26
Trichloroethane	C2H3Cl3	—	—	4/4	4/4	4/4	4/4	0/0	0/0	isomer not indicated in the source	27
Trichloroethylene (TRI)	C2HCl3	000079-01-6	100%	4/4	4/4	4/4	4/4	1/1L	1/1L		28
Trichlorofluoromethane	CCl3F	000075-69-4	—	(3)	0/0	0/0	4/4	0/0	0/0		29
Trichlorophenol	C6H3Cl3O	—	—	(3)	0/0	0/0	(4)	0/0	0/0	isomer not indicated in the source	30
Trichlorotrifluoroethane	C2Cl3F3	000076-13-1	—	(3)	0/0	0/0	4/4	0/0	0/0		31
Trichlorotrifluoroethane	C2Cl3F3	—	100%	4/4	4/4	3/4	4/4	0/0	0/0	isomer not indicated in the source	32
Tricresyl phosphate (TCF)	C21H21PO4	—	techn pure	1/3	4/4	4/4	3/0	1/1	1/1	isomer not indicated in the source	33
Triethanolamine (TEA)	C6H15NO3	000102-71-6	techn pure	1/1	1/1	3/0	2/0	(1)	(1)		34
Triethylamine (TEA)	C6H15N	000121-44-8	techn pure	4/4	0/0	0/0	4/4	(1)	(1)		35
Triethylene glycol	C6H14O4	000112-27-6	—	1/1	1/2	2/3	(2)	(1)	(1)		36
Triethylene glycol diacetate	C10H18O6	000111-21-7	?	(2)	0/0	0/0	(3)	(1)	(1)		37
Trihydroxypropane, 1,2,3-	-> see: Glycerol	—	—	—	—	—	—	—	—		38
Triiodomethane	-> see: Iodoform	—	—	—	—	—	—	—	—		39
Triisopropylbenzene	C15H24	000717-74-8	—	(3)	4/4	0/0	4/4	(1)	(1)		40
Trimethylbenzene, 1,2,4-	C9H12	000095-63-6	—	3/3	4/4	0/0	4/4	1/1	1/1		41
Trimethylpropane	C6H14O3	000077-99-6	aqueous	1/1	0/0	0/0	(1)	(1)	(1)		42
Trimethylpentane, 2,2,4-	C8H18	000540-84-1	techn pure	1/3	3/4	1/0	4/4	1/1	1/1	Iso-octane;Isobutyltrimethylmethane	43
Trioctylphosphate	C24H54PO4	000078-42-2	techn pure	1/3	0/0	4/4	3/0	(1)	(1)	Tris(2-ethylhexyl) phosphate	44
Tripolyene glycol (TPG)	C9H20O4	024800-44-0	—	1/1	1/1	2/3	(3)	(1)	(1)		45
Trisodium phosphate	Na3PO4	007601-54-9	—	1/1	0/0	0/0	1/0	1/1	1/1		46
Turbine oil (based on mineral oil)	—	—	—	1/3	0/0	0/0	4/4	1/1	1/1		47
Turpentine surrogate	—	—	—	(3)	4/4	0/0	4/4	1/1	1/1		48
Two-stroke oil	—	—	100%	1/3	0/0	0/0	4/4	1/1	1/1		49
Undecanol	C11H24O	000112-42-5	—	1/2	2/2	1/3	(3)	(1)	(1)		50
Urea	CH4N2O	000057-13-6	aqueous	1/1	0/0	0/0	1/0	1/0	1/0		51
Urea	CH4N2O	000057-13-6	—	1/1	1/2	2/4	1/0	1/0	1/0		52
Uric acid	C5H4N4O3	000069-93-2	—	1/0	0/0	1/0	1/0	1/1	1/1		53
Urine	—	—	—	1/1	3/0	1/3	1/0	1/1	1/1		54
Urotropin	-> see: Hexamethylenetetramine	—	—	—	—	—	—	—	—		55
Valerian drops	—	—	—	(2)	4/4	0/0	(3)	(1)	(1)		56
Vaseline	—	008009-03-8	techn pure	1/1	0/0	0/0	1/1	1/1	1/1	petrolatum	57
Vaseline	—	—	pharmaceutical	1/1	4/4	0/0	4/4	1/1	1/1	petrolatum, containing phenols & other sterilizing additives	58
Vaseline oil	—	008012-95-1	100%	1/0	1/0	3/0	1/0	1/1	1/1	paraffin oil	58
Vegetable oils	—	—	—	1/3	0/0	0/0	4/4	1/1	1/1		59
Vegetable oils (rape oil)	—	—	—	1/3	4/4	0/0	4/4	1/1	1/1	Rape oil destructs styrenic products like ABS,HIPS,PPE/PPO(Noryl)	60

Vinegar	C2H4O2	000064-19-7		1/1	1/0	1/0	1/0	1/2	1/2		1
Vinyl acetate	C4H6O2	000108-05-4	techn pure	0/0	0/0	4/4	3/0	(1)	0/0		2
Vinyl carbinol	-> see: Allyl alcohol										3
Vinyl chloride (VCM)	C2H3Cl	000075-01-4	techn pure	0/0	0/0	4/4	3/0	0/0	0/0	Chloroethene; Chloroethylene	4
Vinyl cyanide	->	see:	Acrylonitrile								5
Vinylidene chloride	C2H2Cl2	000075-35-4		4/4	4/4	4/4	4/4	0/0	0/0		6
Vitamin C	C6H8O6	000050-81-7	liquid	1/1	0/0	0/0	(1)	(1)	(1)		7
Walnut oil	—	008024-09-7	—	3/3	0/0	0/0	(1)	1/1	1/1		8
Washingup liquid	—	—	aqueous	1/1	0/0	0/0	(2)	(1)	(1)		9
Water H2O	007732-18-5	—		1/1	1/1	1/3	1/1	1/1	1/1		10
Water, distilled ~ H2O	007732-18-5	—		1/1	1/0	1/3	1/1	1/1	1/1		11
Wax alcohol	—	—	techn pure	0/0	0/0	3/4	1/1	(1)	0/0		12
Waxes	—	—	—	1/1	0/0	0/0	1/0	1/1	1/1		13
Wetting agent	—	—	5%	1/1	0/0	1/3	(2)	K	K	detergents	14
Whey	—	—	—	1/1	0/0	0/0	(3)	1/1	1/1		15
Whiskey	—	—	—	1/1	0/0	0/0	1/0	1/1	1/1	whisky, scotch, bourbon	16
White Spirit	—	008042-47-5		1/3	0/0	1/0	4/4	1/1	1/1		17
											18
Wines	—	—	—	1/1	1/1	1/1	1/0	1/1	1/1		19
Wort for fermentation	—	—	—	1/1	0/0	0/0	(1)	(1)	(1)		20
Xenon	Xe	007440-63-3	—	(2)	0/0	0/0	1/1	1/1	1/1		21
Xylene	C8H10	001330-20-7		4/4	4/4	4/4	4/4	1/1	1/1		22
Yeast	—	—	each	1/1	0/0	1/0	1/0	(1)	(1)		23
Zinc acetate	C4H6ZnO4	000557-34-6	aqueous	1/1	0/0	0/0	1/0	(1)	(1)		24
Zinc bromide	ZnBr2	007699-45-8		1/1	0/0	0/0	(2)	0/0	0/0		25
Zinc carbonate	ZnCO3	003486-35-9	saturated	1/1	1/1	1/1	1/1	(1)	(1)	small solubility - no chemical effect expected	26
Zinc chloride	ZnCl2	007646-85-7	aqueous	1/1	0/0	0/0	1/0	1/4L	1/3L		27
Zinc nitrate	Zn(NO3)2	007779-88-6		1/1	1/0	1/0	1/0	(1)	(1)		28
Zinc oxide	ZnO	001314-13-2	solid	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected	29
Zinc oxide ointment	—	—		(2)	1/1	0/0	(4)	(1)	(1)		30
Zinc phosphate	Zn3(PO4)2	007779-90-0	saturated	1/1	1/1	1/1	1/1	(1)	(1)		31
Zinc sludge	—	—		1/1	0/0	0/0	0/0	0/0	0/0		32
Zinc stearate	C36H70ZnO4	000557-05-1		1/1	1/1	1/2	(2)	(1)	(1)		33
Zinc sulfate	ZnSO4	007733-02-0	10%	1/1	1/1	1/1	1/0	1/1	1/1		34
Zinkchlorid	ZnCl2	007646-85-7	10%	1/1	1/3	1/3	1/0	1/4L	1/3L		35
											36
											37
											38
											39
											40
											41
											42
											43
											44
											45
											46
											47
											48
											49
											50
											51
											52
											53
											54
											55
											56
											57
											58
											59
											60