

1.13 | Chemical resistance of plastics

Guidelines

The tables "Chemical resistance of plastics", "Plastics and their properties" and "Viscosity of liquids" as well as the information about chemical resistance given in the particular product descriptions have been drawn up based on information 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 (temperature, pressure, material stress, effects of chemicals, construction features, 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.

Liability

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. For example, the regulations concerning flammable liquids (explosion prevention) must also be taken into consideration.

Copyright

This table has been published and updated by Bürkle GmbH, D-79540 Lörrach as a work of reference. This Copyright clause must not be removed. The table may be freely passed on and copied, provided that the information about the publisher is retained.

Publisher

Bürkle GmbH
Basler Strasse 83
D-79540 Lörrach
Tel +49 (76 21) 93 31-0
Fax +49 (76 21) 93 31-31
info@buerkle.de
<http://www.buerkle.de>

Legend

- 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

Two values are given per substance: left number = value at +20°C / right number = value at +50°C.

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Acetaldehyde	000075-07-0	40 %	3/3	2/4	3/4	4/4	3/0	4/4
Acetaldehyde	000075-07-0	techn. pure	3/3	2/4	3/4	4/4	3/0	4/4
Acetamide	000060-35-5	saturated	1/1	1/1	1/1	1/1	1/0	1/0
Acetic acid	000064-19-7	50 %	1/1	1/1	1/1	2/2	4/4	4/4
Acetic acid	000064-19-7	100 %	0/0	0/0	1/3	0/0	4/4	4/4
Acetic acid	000064-19-7	90%	1/1	1/2	1/2	4/4	4/4	4/4
Acetic acid	000064-19-7	10 %	1/1	1/1	1/1	1/1	(2)	3/3
Acetic acid	000064-19-7	5 %	1/1	1/3	1/1	1/1	1/0	3/3
Acetic acid chloride								
Acetic acid sodium salt								
Acetic aldehyde								
Acetic anhydride	000108-24-7	techn. pure	4/4	3/3	1/3	4/4	3/0	4/4
Acetic chloride								
Acetone	000067-64-1		1/1	3/3	1/3	4/4	1/0	4/4
Acetonitrile	000075-05-8		1/1	1/1	3/4	4/4	(3)	4/4
Acetyl chloride								
Acetophenone	000098-86-2		0/0	1/0	1/3	0/4	1/0	4/4
Acetyl chloride	000075-36-5	100 %	0/0	0/0	3/4	0/0	4/4	4/4
Acetylene	000074-86-2	100 %	1/0	1/0	1/0	0/0	1/0	1/0
Acetyloxybenzoic acid, 2-								
Acetylsalicylic acid	000050-78-2	100 %	0/0	0/0	1/2	1/0	(2)	0/0
Acrylonitrile	000107-13-1		1/1	1/3	3/4	4/4	4/4	4/4
Adipic acid	000124-04-9	saturated	1/1	1/2	1/1	1/1	1/0	1/1
Alanine, L-	000056-41-7		1/1	1/1	1/1	1/1	1/0	(1)
Allspice	—	ground	0/0	0/0	(2)	4/4	(2)	(2)
Allyl acetate	000591-87-7	100 %	0/0	1/3	1/3	4/4	(3)	4/4
Allyl alcohol	000107-18-6	96 %	1/3	3/3	2/2	2/4	1/0	3/0
Allyl chloride	000107-05-1	100 %	(3)	3/4	4/4	0/0	4/4	4/4
Allyl mustard oil	000057-06-7		0/0	0/0	(2)	0/0	(3)	(4)
Almond oil, sweet	008007-69-0		0/0	0/0	(2)	3/4	4/4	(2)
Alumina acidic	000142-03-0	saturated	1/1	1/0	1/1	0/0	1/0	3/3
Aluminium fluoride	007789-18-1	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Aluminum ammonium sulfate dodecahydrate	007784-26-1	saturated	1/1	1/1	1/1	0/0	1/0	1/1
Aluminum chloride	007784-13-6	10 %	1/1	1/2	1/1	1/1	1/0	1/1
Aluminum chloride	007784-13-6	solid	1/1	1/1	1/1	0/0	(3)	(3)
Aluminum chloride	007784-13-6	saturated	1/1	1/1	1/1	0/0	(2)	1/1
Aluminum hydroxide	021645-51-2		1/1	1/2	1/2	2/2	1/1	1/1
Aluminum nitrate	013473-90-0	aqueous	1/1	1/0	1/1	1/0	1/0	1/0
Aluminum oxide, alpha-	001344-28-1	solid	1/1	1/1	1/1	1/1	1/1	1/1
Aluminum potassium sulfate	010043-67-1	diluted	1/1	1/1	1/1	1/1	1/1	3/3
Aluminum potassium sulfate	010043-67-1	saturated	1/1	1/1	1/1	1/0	1/1	3/3
Aluminum sodium sulfate	010102-71-3		1/1	1/1	1/1	0/0	1/0	(2)
Aluminum sulfate	010043-01-3	10 %	1/1	1/1	1/1	1/0	1/0	1/1
Aluminum sulfate	010043-01-3	saturated	1/1	1/1	1/1	0/0	1/0	1/1
Aminic acid								
Aminoacetic acid								
Aminoethanol	000141-43-5		0/0	0/0	1/2	4/4	3/0	4/4
Aminopropanoic acid, alpha								
Ammonium acetate	000631-61-8	saturated	1/1	1/1	1/1	1/1	1/0	2/2
Ammonium bicarbonate	001066-33-7	saturated	1/1	1/1	1/1	0/0	1/0	(3)
Ammonium bisulfide	012124-99-1	each	1/1	1/1	1/1	0/0	1/0	(2)
Ammonium carbonate	010361-29-2	50 %	1/1	1/1	1/1	1/1	1/0	4/4
Ammonium carbonate	010361-29-2	aqueous	1/1	1/1	1/1	0/0	1/0	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Azole								
Barium carbonate	000513-77-9	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Barium chloride	010361-37-2	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Barium chloride	010361-37-2	aqueous	1/1	1/1	1/1	0/0	1/1	1/1
Barium dibromide	010553-31-8		1/1	1/1	1/1	1/1	1/0	1/1
Barium hydroxide	012230-71-6	saturated	1/1	1/1	1/1	0/0	1/0	1/1
Barium hydroxide	012230-71-6	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Barium sulfide	021109-95-5	saturated	1/1	1/1	1/1	0/0	1/0	1/1
Battery acid	007664-93-9	38 %	1/1	1/1	1/1	1/1	1/0	4/4
Beef tallow	061789-97-7		0/0	0/0	1/1	1/1	4/4	1/1
Beef tallow emulsion	—	sulfonated	1/0	0/0	1/0	0/0	4/4	(2)
Beer	—		1/1	1/1	1/1	1/0	1/0	1/0
Beeswax	008012-89-3		1/1	1/1	1/3	0/0	(3)	(2)
Benzaldehyde	000100-52-7		1/3	3/3	1/4	4/4	3/4	4/4
Benzene	000071-43-2		3/4	3/4	3/4	4/4	4/4	4/4
Benzene chloride								
Benzenesulfonic acid	000098-11-3	saturated	1/1	1/1	2/4	0/0	4/4	4/4
Benzoic acid	000065-85-0	saturated	1/1	1/1	1/3	2/2	3/0	3/0
Benzoic acid	000065-85-0	aqueous	1/1	1/1	1/3	0/0	3/0	3/0
Benzoic acid chloride								
Benzoyl chloride	000098-88-4	100 %	0/0	3/3	3/4	0/0	1/0	4/4
Benzyl acetate	000140-11-4		1/1	1/2	1/2	4/4	(3)	4/4
Benzyl alcohol	000100-51-6		3/4	4/4	4/4	4/4	3/0	4/4
Benzyl benzoate	000120-51-4		0/0	0/0	(3)	0/0	4/4	4/4
Benzyl chloride	000100-44-7	100 %	0/0	4/4	4/4	4/4	4/4	4/4
Benzyl ether	000103-50-4		0/0	0/0	(3)	0/0	2/0	4/4
Bismuth chloride	007787-60-2		1/1	1/1	1/1	0/0	1/0	(1)
Bismuth nitrate, basic	001304-85-4		1/1	1/1	1/1	0/0	1/0	(1)
Bisulfite solution	??		1/1	1/1	1/1	0/0	1/0	3/0
Bisulfite solution, containing SO ₂	??	saturated	1/1	1/1	1/1	0/0	(3)	4/4
Bitter almond oil	090320-35-7		1/3	3/3	1/4	4/4	3/4	4/4
Bitumen	008052-42-4		0/0	0/0	1/3	0/0	4/4	(3)
Bone oil	008001-85-2		0/0	0/0	1/1	1/1	4/4	1/0
Boric acid	010043-35-3	10 %	1/1	1/1	1/1	1/2	1/0	1/1
Boric acid	010043-35-3	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Brake fluid	—		1/0	1/0	1/1	3/0	1/0	4/4
Bromic acid	007789-31-3	concentrated	0/0	0/0	3/0	0/0	(4)	4/4
Bromine	007726-95-6		4/4	4/4	4/4	4/4	4/4	4/4
Bromine pentafluoride	007789-30-2		0/0	0/0	(3)	0/0	4/4	4/4
Bromine steams	007726-95-6		(4)	(4)	4/4	0/0	4/4	4/4
Bromine trifluoride	007787-71-5		0/0	0/0	(3)	0/0	4/4	4/4
Bromine water	007726-95-6	saturated	4/4	4/4	4/4	4/4	4/4	4/4
Bromobenzene	000108-86-1		3/4	4/4	4/4	4/4	4/4	4/4
Bromochloromethane	000074-97-5	100 %	(4)	(4)	4/4	4/4	4/4	4/4
Bromotrifluoromethane	000075-63-8		0/0	0/0	(3)	0/0	1/0	1/0
Butadiene, 1,3-	000106-99-0		3/4	4/4	4/4	4/4	4/4	4/4
Butanal								
Butane	000106-97-8	techn. pure	1/0	1/1	1/1	4/4	4/4	1/0
Butanedicarboxylic acid, 1,4-								
Butanetriol	—	100 %	(4)	1/1	1/1	0/0	1/0	1/0
Butanol								
Butene	—	techn. pure	4/4	0/0	4/4	0/0	3/0	3/0
Butoxybutane, 1-								

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Butter	—		1/0	1/0	1/1	1/1	3/0	1/1
Butyl acetate, normal	000123-86-4	100 %	2/2	2/3	3/4	4/4	3/0	4/4
Butyl acrylate	000141-32-2	100 %	1/2	2/3	3/4	4/4	4/4	4/4
Butyl alcohol, normal	000071-36-3	techn. pure	1/1	1/3	1/2	1/2	2/0	1/0
Butyl alcohol, sec-	000078-92-2		1/1	1/2	1/2	2/2	3/0	(2)
Butyl alcohol, tert-	000075-65-0		1/1	1/2	1/2	1/1	3/0	(2)
Butyl aldehyde								
Butyl carbinol, n-								
Butyl ether, (Di-) n-	000142-96-1	techn. pure	3/4	1/4	3/4	0/0	4/4	4/4
Butyl ethylene								
Butyl stearate	000123-95-5	100 %	0/0	0/0	(2)	0/0	4/4	4/4
Butylamine	000109-73-9		0/0	0/0	2/0	0/0	4/4	4/4
Butylene glycol	—	techn. pure	1/1	1/1	1/1	0/0	1/0	(1)
Butylene hydrate								
Butylphenol	—	100 %	0/0	1/1	1/1	0/0	4/4	4/4
Butylphenol, p-tert	000098-54-4	techn. pure	3/0	0/0	1/0	0/0	4/4	4/4
Butyraldehyde	000123-72-8		0/0	0/0	(2)	0/0	3/0	4/4
Butyric acid	000107-92-6		3/4	4/4	4/4	4/4	4/4	4/4
Cadmium bromide	007789-42-6		1/1	1/1	(1)	1/1	(2)	(2)
Calcium bicarbonate	—	saturated	1/1	1/1	1/1	0/0	1/0	(1)
Calcium bisulfite	013780-03-5	saturated	1/1	1/1	1/1	0/0	4/4	3/3
Calcium bisulfite	013780-03-5	aqueous	1/1	1/1	1/1	0/0	4/4	3/3
Calcium bromide	007789-41-5		1/1	1/1	1/1	1/1	(1)	(1)
Calcium carbide	000075-20-7		1/1	1/1	1/1	0/0	(2)	(2)
Calcium carbonate	000471-34-1	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Calcium chlorate	010137-74-3	saturated	0/0	0/0	1/1	0/0	(2)	(3)
Calcium chloride	010043-52-4	alkoholic	1/0	0/0	1/1	0/0	(2)	(2)
Calcium chloride	010043-52-4	aqueous	1/1	1/1	1/1	1/1	1/0	1/1
Calcium hydroxyde	001305-62-0	aqueous	1/1	1/1	1/1	1/1	1/0	1/0
Calcium hydroxyde	001305-62-0	concentrated	1/1	1/1	1/1	2/2	1/0	1/0
Calcium hypochlorite	007778-54-3	saturated	1/1	1/1	1/1	2/3	(2)	4/4
Calcium hypochlorite	007778-54-3	aqueous	0/0	0/0	1/1	1/3	1/0	4/4
Calcium nitrate	010124-37-5	50 %	1/1	1/1	1/1	1/1	1/0	4/4
Calcium nitrate	010124-37-5	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Calcium oxide	001305-78-8	powder	1/0	1/1	1/1	1/1	1/0	1/0
Calcium phosphate	007758-87-4	aqueous	1/1	1/1	1/1	1/1	1/1	1/1
Calcium phosphate	007758-87-4		1/1	1/1	1/1	1/1	1/1	1/1
Calcium sulfate	007778-18-9	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Calcium sulfide	020548-54-3	aqueous	0/0	0/0	1/1	0/0	1/0	1/0
Calcium sulfide	020548-54-3		0/0	3/3	1/1	0/0	1/0	3/3
Calciumacetat	000062-54-4	aqueous	1/1	1/1	1/1	0/0	1/0	3/3
Camphor	000464-48-2 / -49-2		3/4	3/4	1/0	1/3	4/4	1/0
Camphor oil	008008-51-3		4/4	4/4	4/4	0/0	4/4	1/0
Caprylic alcohol	000111-87-5		0/0	0/0	(2)	0/0	1/0	3/3
Caraway	—	ground	0/0	0/0	(2)	4/4	(2)	(2)
Carbazole	000086-74-8		1/1	1/1	1/1	1/1	(2)	(2)
Carbolineum	008001-58-9	aqueous	1/0	1/0	1/0	0/0	3/0	3/3
Carbon dioxide	000124-38-9	saturated	1/3	1/1	1/1	1/0	1/0	1/1
Carbon dioxide, damp	000124-38-9	techn. pure	1/1	1/1	1/1	0/0	2/0	1/1
Carbon dioxide, dry	000124-38-9	techn. pure	1/1	1/1	1/1	0/0	2/0	1/1
Carbon disulfide	000075-15-0		4/4	4/4	4/4	4/4	4/4	4/4
Carbon tetrabromide	000558-13-4		0/0	0/0	3/4	4/4	4/4	4/4
Carbon tetrachloride (TETRA)	000056-23-5		4/4	4/4	4/4	4/4	4/4	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Carbon tetrafluoride	000075-73-0		0/0	0/0	(3)	0/0	1/0	1/0
Carbonyl chloride								
Carnauba wax	008015-86-9		1/1	1/1	1/1	0/0	(3)	(1)
Castor oil	008001-79-4	100 %	1/1	1/1	1/1	1/1	3/0	1/0
Caustic potash								
Cedar wood oil	008000-27-9		3/4	4/4	4/4	4/4	(4)	(3)
Cesium bromide	007787-69-1		1/1	1/1	1/1	0/0	(1)	(1)
Cetyl alcohol	036653-82-4	100 %	1/1	1/1	1/1	0/0	1/0	1/0
Chalk	—		1/1	1/1	1/1	1/1	1/1	1/1
Chloral hydrate	000302-17-0	techn. pure	3/3	3/3	3/4	0/0	3/0	4/4
Chloramine-T	000127-65-1	diluted	1/0	1/0	(3)	0/0	1/0	1/0
Chloric acid	007790-93-4	1 %	0/0	1/1	1/3	0/0	3/0	(3)
Chloric acid	007790-93-4	10 %	1/0	0/0	4/4	0/0	3/0	4/4
Chloric acid	007790-93-4	20 %	3/0	1/4	1/4	0/0	3/0	4/4
Chloric acid, sodium salt								
Chlorine	007782-50-5	10 % wet	3/4	3/4	4/4	4/4	2/0	4/4
Chlorine	007782-50-5	97 %	4/4	4/4	4/4	4/4	4/4	4/4
Chlorine	007782-50-5	steam	4/4	4/4	4/4	4/4	4/4	4/4
Chlorine dioxide	010049-04-4		0/0	0/0	(3)	0/0	4/4	4/4
Chlorine trifluoride	007790-91-2		0/0	0/0	(4)	0/0	4/4	4/4
Chlorine water	007782-50-5		3/0	0/4	3/4	4/4	3/0	4/4
Chloro acetophenone, p-	000099-91-2		1/1	1/1	1/1	4/4	(3)	4/4
Chloro-1-propene, 3-								
Chloro-2-propanone, 1-								
Chloroacetic acid	000079-11-8	50 %	1/3	1/3	1/1	0/0	2/0	4/4
Chloroacetic acid	000079-11-8		1/1	1/1	1/2	2/4	3/0	4/4
Chloroacetone	000078-95-5		0/0	0/0	(2)	0/0	1/0	4/4
Chlorobenzene	000108-90-7		3/4	3/4	3/4	4/4	4/4	4/4
Chlorodifluoroethane	000075-68-3		0/0	0/0	(3)	0/0	1/0	1/0
Chlorodifluoromethane	000075-45-6		0/0	3/0	4/4	4/4	1/0	4/4
Chloroethane, 1-								
Chloroethyl alcohol, 2-	000107-07-3	techn. pure	1/1	0/0	4/4	0/0	3/0	4/4
Chloroethylene								
Chlorofluorocarbons (CFC)	—		0/0	0/0	(3)	4/4	(3)	(3)
Chlorofluoromethane	000593-70-4		0/0	0/0	(3)	0/0	1/0	4/4
Chloroform	000067-66-3	100 %	3/4	4/4	3/4	4/4	4/4	4/4
Chloroformyl chloride								
Chloronaphthalene, 1-	000090-13-1		0/0	0/0	4/4	0/0	4/4	4/4
Chloropentafluoroethane	000076-15-3		0/0	0/0	(3)	0/0	1/0	1/0
Chloroprene	000126-99-8		0/0	0/0	(3)	0/0	4/4	4/4
Chloropropylene, 3-								
Chlorosulfonic acid	007790-94-5	techn. pure	4/4	4/4	4/4	4/4	4/4	4/4
Chlorotoluene	—		0/0	0/0	(3)	0/0	4/4	4/4
Chlorotrifluoromethane	000075-72-9		0/0	0/0	(3)	0/0	1/0	1/0
Chromic acid	001333-82-0	10 %	1/1	1/1	1/1	1/1	4/4	4/4
Chromic acid	001333-82-0	20 %	0/0	1/3	3/3	1/0	4/4	4/4
Chromic acid	001333-82-0	50 %	3/4	3/4	3/3	3/3	4/4	4/4
Chromic potassium sulfate	007788-99-0	saturated	1/1	0/0	1/1	0/0	1/0	1/1
Chromic-sulfuric acid	065272-71-1	concentrated	4/4	4/4	4/4	4/4	4/4	4/4
Chromium salts	—	each	0/0	0/0	1/1	0/0	(1)	(1)
Chromium trioxide								
Cinnamaldehyde	000104-55-2		0/0	0/0	(3)	4/4	1/0	4/4
Cinnamon	—	ground	0/0	0/0	(2)	3/0	(2)	(2)

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Diaminoethane	000107-15-3	techn. pure	1/1	1/3	1/1	0/0	1/0	3/3
Diammonium sulfide								
Diamyl phthalate	000131-18-0	100 %	0/0	1/3	(2)	4/4	3/0	4/4
Dibenzyl sebacate	??		0/0	0/0	(3)	0/0	2/0	4/4
Dibromoethane, 1,2-								
Dibromotetrafluoroethane	000124-73-2		0/0	0/0	(3)	0/0	4/4	3/0
Dibutyl phthalate, n-	000084-74-2	FR, 80°C	0	0	0	0	0	4/4
Dibutyl phthalate, n-	000084-74-2		1/3	3/3	2/2	4/4	3/0	4/4
Dibutyl sebacate	000109-43-3	techn. pure	1/0	1/3	1/0	4/4	3/0	4/4
Dibutylamine	000111-92-2		0/0	0/0	(2)	0/0	4/4	4/4
Dichloroacetic acid	000079-43-6	50 %	1/1	1/1	1/1	0/0	4/4	4/4
Dichloroacetic acid	000079-43-6	techn. pure	1/3	3/3	1/3	0/0	4/4	4/4
Dichlorobenzene, 1,2-	000095-50-1		3/3	3/4	3/4	4/4	4/4	4/4
Dichlorobenzene, 1,4-	000106-46-7		2/3	3/4	3/4	4/4	4/4	4/4
Dichlorodifluoromethane	000075-71-8	techn. pure	4/4	3/4	4/4	4/4	3/0	3/3
Dichlorodifluoromethane	000075-71-8		4/4	3/4	4/4	4/4	3/0	3/3
Dichloroethane	—		3/3	2/4	3/4	4/4	4/4	4/4
Dichloroethylene	—	techn. pure	4/4	4/4	3/0	4/4	4/4	4/4
Dichlorofluoromethane	000075-43-4	100 %	0/0	3/0	4/4	4/4	4/4	4/4
Dichlorohexafluorocyclobutane	000356-18-3		0/0	0/0	(3)	0/0	1/0	1/0
Dichloroisopropyl ether	—		(4)	(4)	(3)	0/0	4/4	4/4
Dichloropropane	—	100 %	0/0	0/0	4/4	4/4	4/4	4/4
Dichlorotetrafluoroethane	000076-14-2		0/0	0/0	(3)	0/0	1/0	1/0
Dicyclohexyl phthalate	000084-61-7	techn. pure	0/0	0/0	1/3	0/0	(3)	4/4
Dicyclohexylamine (DCHA)	000101-83-7		0/0	0/0	(2)	0/0	4/4	4/4
Diesel fuel	—		1/3	0/0	1/3	0/0	4/4	1/1
Diesel fuel for heating	—		3/3	3/4	1/3	3/4	4/4	1/1
Diesel oil	068334-30-5	100 %	1/3	1/4	1/3	3/4	4/4	1/1
Diethanolamine (DEA)	000111-42-2	100 %	0/0	1/0	1/2	1/0	3/0	4/4
Diethyl ethyl	000060-29-7	techn. pure	3/4	4/4	4/4	4/4	4/4	4/4
Diethyl ketone								
Diethyl malonate	000105-53-3		1/1	1/1	1/1	4/4	(2)	(3)
Diethyl sebacate	000110-40-7		0/0	0/0	(2)	0/0	2/0	4/4
Diethyl succinate	000123-25-1		0/0	0/0	(2)	0/0	(2)	4/4
Diethylamine	000109-89-7	techn. pure	0/0	0/0	1/2	0/0	2/0	4/4
Diethylbenzene	000135-01-3		3/4	4/4	4/4	4/4	4/4	4/4
Diethylene glycol	000111-46-6		1/1	1/1	1/1	2/2	1/0	3/0
Diethylene glycolether	—		1/1	1/1	1/1	4/4	3/0	3/3
Difluoroethane	000075-37-6		0/0	0/0	(3)	0/0	1/0	1/0
Difluoromethane	000075-10-5		0/0	0/0	(3)	0/0	1/0	1/0
Diglycolic acid	000110-99-6	aqueous	1/1	1/1	1/1	0/0	1/0	4/4
Diglycolic acid	000110-99-6	30 %	1/1	1/1	1/1	0/0	1/0	4/4
Diisobutyl ketone	000108-83-8	techn. pure	1/4	1/3	1/4	0/0	3/0	4/4
Diisobutylene (DIB)	025167-70-8		0/0	0/0	1/2	0/0	4/4	3/3
Diisopropyl ether	000108-20-3	techn. pure	3/4	3/4	3/4	4/4	4/4	4/4
Di-isopropyl ketone	000565-80-0		0/0	0/0	(3)	0/0	1/0	4/4
Dimethyl ether	000115-10-6	gas	0/0	3/0	4/4	4/4	3/0	4/4
Dimethyl formamide (DMF)	000068-12-2		1/1	1/3	1/1	4/4	2/0	4/4
Dimethyl ketone								
Dimethyl phthalate (DMP)	000131-11-3	100 %	4/4	1/3	2/3	4/4	3/0	4/4
Dimethyl sulfoxide (DMSO)	000067-68-5		1/1	1/1	1/1	1/2	(3)	(4)
Dimethylacetone								
Dimethylamine	000124-40-3	techn. pure	1/3	1/3	1/3	0/0	3/0	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Dimethylaniline	—		0/0	0/0	4/4	0/0	3/0	4/4
Dinitro ethylene glycol	000628-96-6	diluted	0/0	0/0	(2)	0/0	1/0	4/4
Dinonyl phthalate (DNP)	000084-76-4	techn. pure	3/0	0/0	1/3	0/0	(3)	4/4
Diocetyl adipate	000103-23-1		0/0	0/0	4/4	0/0	(3)	4/4
Diocetyl phthalate (DOP)	000117-81-7	techn. pure	4/4	4/4	4/4	4/4	3/0	4/4
Diocetyl sebacate	002432-87-3		0/0	0/0	(3)	0/0	2/0	4/4
Dioxane	000123-91-1		2/2	2/3	3/3	4/4	2/0	4/4
Diphenyl ether	000101-84-8		0/0	1/0	4/4	4/4	4/4	4/4
Diphenylamine	000122-39-4		0/0	0/0	(3)	0/0	(3)	(4)
Diphyl	008004-13-5		0/0	0/0	4/4	4/4	4/4	4/4
Dipropyl ketone	000123-19-3		0/0	0/0	(3)	0/0	(3)	4/4
Dipropylene glycol	025265-71-8		1/1	1/1	1/1	1/1	4/4	3/3
Dipropylene glycol (mono)methyl ether	—		0/0	0/0	(2)	0/0	(3)	4/4
Disodium phosphate	007558-79-4		1/1	1/1	1/1	0/0	1/1	(1)
Dispersion of rubber	—		0/0	0/0	1/1	0/0	(3)	(2)
Dithionous acid, disodium salt								
Divinylene oxide								
Dope, viscous ~	—		1/1	1/1	1/1	0/0	(3)	4/4
Emulsifiers	—		0/0	0/0	1/1	0/0	(2)	(3)
Emulsions for fotos	—		1/0	0/0	1/1	0/0	(2)	(1)
Ephetin	—	10% in water	0/0	0/0	1/1	0/0	0/0	0/0
Epichlorhydrin	000106-89-8	100 %	1/0	1/0	2/2	0/0	3/0	4/4
Epoxypropane, 1,2-								
Ethanal								
Ethanedioic acid								
Ethanenitrile								
Ethanoyl chloride								
Ethoxybenzene	000103-73-1		0/0	0/0	(3)	0/0	4/4	4/4
Ethyl acetate	000141-78-6	100 %	1/3	3/4	1/3	4/4	3/0	4/4
Ethyl acrylate	000140-88-5	100 %	4/4	4/4	4/4	0/0	4/4	4/4
Ethyl alcohol	000064-17-5	40 %	1/1	1/2	1/1	2/3	1/0	1/1
Ethyl alcohol	000064-17-5	50 %	1/1	1/1	1/1	1/0	1/0	1/1
Ethyl alcohol	000064-17-5	96 %	1/0	1/3	1/1	3/4	1/0	3/3
Ethyl aldehyde								
Ethyl benzoate	000093-89-0		2/2	3/3	2/3	4/4	(3)	4/4
Ethyl butyrate	000105-54-4		2/3	2/4	2/4	4/4	(3)	4/4
Ethyl chloride								
Ethyl chloroacetate	000105-39-5	techn. pure	1/1	1/1	1/1	4/4	3/0	4/4
Ethyl cyanoacetate	000105-56-6		1/1	1/1	1/1	2/4	(2)	(3)
Ethyl formate	000109-94-4		0/0	0/0	(2)	0/0	(3)	4/4
Ethyl lactate	000097-64-3		1/1	1/1	1/1	3/4	(3)	(3)
Ethyl mercaptan	000075-08-1		0/0	0/0	(2)	0/0	(3)	4/4
Ethyl phenyl ether								
Ethyl silicate	000078-10-4		0/0	0/0	(2)	0/0	(3)	1/0
Ethylbenzene	000100-41-4		2/3	3/4	3/4	4/4	4/4	4/4
Ethylene	000074-85-1		0/0	0/0	(2)	0/0	(3)	3/3
Ethylene dibromiden (EDB)	000106-93-4		(4)	(4)	4/4	4/4	4/4	4/4
Ethylene glycol	000107-21-1		1/1	1/1	1/1	1/1	1/0	1/1
Ethylene glycol monobutyl ether	000111-76-2	100 %	0/0	1/0	1/0	0/0	3/0	3/4
Ethylene glycol monoethyl ether	000110-80-5	100 %	0/0	4/4	2/4	4/4	3/0	4/4
Ethylene glycol monoethyl ether acetate	000115-15-9		1/1	1/2	1/2	4/4	2/0	4/4
Ethylene glycol monomethyl ether	000109-86-4	100 %	1/0	1/1	1/1	4/4	3/0	4/4
Ethylene glycol monomethyl ether oleate	000111-10-4		1/1	1/2	1/2	4/4	4/4	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Freon 12								
Freon 13								
Freon 13								
Freon 13 B1								
Freon 13 B1								
Freon 14								
Freon 14								
Freon 142b								
Freon 142b								
Freon 152a								
Freon 152a								
Freon 21								
Freon 21								
Freon 218								
Freon 218								
Freon 22								
Freon 22								
Freon 31								
Freon 31								
Freon 32								
Freon 32								
Freon C 318								
Freon C 318								
Freon C316								
Freon C316								
Frigen 12								
Frigen 12								
Frigen 21								
Frigen 21								
Frigen 22								
Frigen 22								
Fructose	000057-48-7	each	1/1	1/1	1/1	1/1	1/0	1/1
Fruit pulp	—		1/1	1/1	1/1	0/0	1/0	1/1
Fruit wine	—		1/1	1/1	1/0	0/0	1/0	1/0
Fuel + 20% ethyl alcohol	—		0/0	0/0	(3)	0/0	4/4	3/0
Fuel + 20% methyl alcohol	—		0/0	0/0	(3)	0/0	4/4	4/4
Fuel, Normal	—		0/0	0/0	3/4	4/4	4/4	3/0
Fuel, piston engine (JP)	—		0/0	0/0	1/4	0/0	4/4	1/0
Fuel, Super	—		0/0	0/0	3/4	4/4	4/4	3/0
Furalmethanal, 2-								
Furan	000110-00-9		0/0	0/0	(3)	0/0	4/4	4/4
Furancarboxyaldehyde, 2-								
Furfural	000098-01-1		1/3	3/4	4/4	0/0	3/0	4/4
Furfuryl alcohol	000098-00-0	techn. pure	1/1	1/3	1/3	0/0	3/0	4/4
Gallic acid	000149-91-7		1/1	1/1	1/1	0/0	3/0	3/0
Gas liquor	—		0/0	0/0	1/1	0/0	(3)	(2)
Gas oil	—		0/0	0/0	1/3	0/0	4/4	1/0
Gas, natural	—		0/0	0/0	(2)	0/0	4/4	1/0
Gasoline	008006-61-9		0/0	0/0	3/4	0/0	4/4	3/0
Gasoline	086290-81-5		2/3	3/4	3/4	4/4	4/4	3/0
Gearbox oil, EP (Hypoid), 110°C	—		0	0	(3)	0	4/4	4/4
Gelatin	009000-70-8	each	1/1	1/1	1/1	1/1	1/1	1/1
Genantin	—		0/0	0/0	1/1	0/0	1/0	1/1

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Ginger	—	ground	0/0	0/0	(2)	4/4	(2)	(2)
Glucose	000050-99-7	each	1/1	1/1	1/1	1/1	1/1	1/1
Glue (bone glue)	—	each	1/0	1/1	1/1	0/0	(1)	1/0
Glycerol	000056-81-5	each	1/1	1/1	1/1	1/1	1/0	1/0
Glycine	000056-40-6	10 %	1/1	1/1	1/1	0/0	1/1	3/3
Glycolic acid	000079-14-1	37 %	1/1	0/0	1/1	0/0	1/0	1/0
Glycolic acid	000079-14-1	70 %	1/1	1/1	1/1	0/0	1/0	(2)
Glysantin	—		1/1	1/1	1/1	0/0	1/0	1/1
Gum tragacanth	009000-65-1		1/1	1/1	1/1	0/0	1/1	1/1
HD-Oil motor oil, without aromatics	—		1/0	1/3	1/3	0/0	4/4	3/3
Helium	007440-59-7		0/0	0/0	1/0	0/0	1/0	1/0
Henkel-P3-solution	—		1/1	1/1	1/1	0/0	(2)	1/0
Heptane, normal	000142-82-5		2/3	3/4	2/4	4/4	4/4	1/1
Heptanol, 1-	000111-70-6		0/0	0/0	(2)	0/0	4/4	1/0
Heptanone	—		0/0	0/0	(3)	0/0	(4)	4/4
Hexachlorbenzene (HCB)	000118-74-1		0/0	0/0	(3)	0/0	4/4	4/4
Hexachlorocyclohexane (alpha-BHC)	000319-84-6		0/0	0/0	(3)	0/0	4/4	4/4
Hexahydropyridine								
Hexaldehyde, n-	000066-25-1		0/0	0/0	(2)	0/0	3/0	4/4
Hexamethylenetetramine	000100-97-0		0/0	0/0	(2)	1/1	(2)	(3)
Hexane, n-	000110-54-3		2/3	4/4	2/3	4/4	4/4	1/1
Hexanedioic acid								
Hexanetriol	—	100 %	1/1	1/1	1/1	1/0	1/0	1/0
Hexene, 1-	000592-41-6		0/0	0/0	(3)	0/0	4/4	3/3
Hexyl alcohol	000111-27-3		1/0	1/0	1/2	0/0	4/4	1/0
Honey	—		1/1	1/1	1/1	0/0	1/1	1/1
Hydraulic fluids, HFA	—	50°C	0	0	(3)	0	4	1
Hydraulic fluids, HFB	—	50°C	0	0	(3)	0	4	1
Hydraulic fluids, HFC	—	60°C	0	0	(3)	0	0	1
Hydraulic fluids, HFD-R	—	100°C	0	0	(3)	0	0	4
Hydraulic fluids, HFD-S	—	100°C	0	0	(3)	0	0	4
Hydraulic oil (based on mineral oil)	—		0/0	0/0	1/3	0/0	4/4	1/0
Hydrazine	000302-01-2	10 %	1/1	1/0	1/1	0/0	1/0	4/4
Hydrazine hydrate	010217-52-4	aqueous	1/1	1/0	1/1	0/0	1/0	4/4
Hydrocyanic acid, sodium salt								
Hydrogen	001333-74-0	techn. pure	1/1	1/1	1/1	1/0	1/0	1/1
Hydrogen bromide	010035-10-6	40 %	1/0	1/1	1/1	4/4	3/0	4/4
Hydrogen bromide	010035-10-6	50 %	1/1	1/2	1/2	4/4	3/0	4/4
Hydrogen bromide	010035-10-6	diluted	1/1	1/1	1/1	4/4	3/0	4/4
Hydrogen carboxylic acid								
Hydrogen chloride	007647-01-0	1-5 %	1/1	1/1	1/1	1/1	1/0	3/4
Hydrogen chloride	007647-01-0	35 %	1/1	1/1	1/2	3/3	3/0	4/4
Hydrogen chloride	007647-01-0	concentrated	1/1	1/1	1/2	3/3	3/0	4/4
Hydrogen chloride	007647-01-0	20 %	1/1	1/1	1/1	1/1	1/0	4/4
Hydrogen chloride (gas)	007647-01-0	anhydrous	1/1	0/0	1/1	0/0	1/0	4/4
Hydrogen cyanide	000074-90-8	techn. pure	1/1	1/1	1/1	1/0	1/0	3/0
Hydrogen cyanide	000074-90-8	aqueous	1/1	1/1	1/1	1/0	1/0	3/0
Hydrogen fluoride	007664-39-3	anhydrous	0/0	0/0	(2)	0/0	3/4	4/4
Hydrogen fluoride	007664-39-3	4 %	1/1	1/2	1/2	2/3	(3)	(2)
Hydrogen fluoride	007664-39-3	50 %	1/1	1/1	1/1	4/4	3/4	3/4
Hydrogen fluoride	007664-39-3	70 %	0/0	1/3	1/3	4/4	3/4	4/4
Hydrogen fluoride	007664-39-3	100 %	0/0	0/0	(2)	0/0	3/4	4/4
Hydrogen peroxide	007722-84-1	30 %	1/1	1/2	1/3	1/2	3/0	4/4
Hydrogen peroxide	007722-84-1	100 %	1/4	1/4	4/4	4/4	(3)	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Hydrogen peroxide	007722-84-1	90 %	1/1	1/2	1/2	1/2	3/0	4/4
Hydrogen peroxide	007722-84-1	3 %	1/1	1/1	1/1	1/2	1/0	3/4
Hydrogen sulfide	007783-06-4	saturated	1/1	1/1	1/1	3/0	1/0	4/4
Hydroquinone	000123-31-9	saturated	0/0	1/3	1/0	4/4	4/4	4/4
Hydroxylaluminium di(acetate)	000139-12-8	aqueous	1/1	1/1	1/1	0/0	1/0	3/0
Hydroxylamine disulfate	010039-54-0	12 %	1/1	1/1	1/1	0/0	1/0	1/3
Hydroxylamine disulfate	010039-54-0	each	1/1	0/0	1/1	0/0	1/0	1/3
Hydroxymethyl furfural, 5- (HMF)	000067-47-0		0/0	0/0	(2)	0/0	(3)	4/4
Imidole								
Iodine pentafluoride	007783-66-6		0/0	0/0	(3)	0/0	4/4	4/4
Iodine, tincture of	007553-56-2		1/3	1/3	1/2	3/3	2/0	3/3
Iodoform	000075-47-8	100 %	3/0	3/0	3/0	3/0	1/0	(3)
Isoamyl alcohol	000123-51-3		0/0	0/0	1/1	1/3	3/0	3/3
Isobutanol	000078-83-1		1/1	1/1	1/1	2/2	1/0	3/4
Isobutyl acetate	000110-19-0		0/0	0/0	(3)	4/4	2/0	4/4
Isobutyl alcohol								
Isobutyltrimethylmethane								
ISO-Fluid	—	liquid	0/0	2/3	3/4	4/4	4/4	1/0
ISO-Fluid A	—		0/0	0/0	(3)	4/4	4/4	1/0
ISO-Fluid B	—		0/0	0/0	(3)	4/4	4/4	3/0
ISO-Fluid C	—		0/0	0/0	(3)	4/4	4/4	3/0
ISO-Fluid D	—		0/0	0/0	(3)	4/4	4/4	4/4
Iso-octane								
Isopropyl acetate	000108-21-4		1/2	2/3	2/3	4/4	3/0	4/4
Isopropyl alcohol	000067-63-0	techn. pure	1/1	1/1	1/1	2/2	1/0	3/3
Isopropyl carbinol								
Isopropyl chloride	000075-29-6		0/0	0/0	(3)	4/4	4/4	4/4
Jam	—		1/1	1/1	1/1	1/1	(2)	(1)
Juices	—		1/1	1/1	1/1	1/0	1/0	1/1
Kapsolat								
Kerosene	008008-20-6		2/2	3/4	3/3	4/4	4/4	1/0
Kerosene	—	techn. pure	1/3	3/4	1/3	4/4	4/4	1/1
Lactames	—		0/0	0/0	(2)	0/0	4/4	4/4
Lactic acid	000050-21-5	3 %	1/1	1/2	1/2	2/2	3/4	(2)
Lactic acid	000050-21-5	80 %	1/1	1/1	1/1	1/1	3/4	1/4
Lactic acid	000050-21-5	85 %	1/1	1/1	1/2	2/2	3/4	1/4
Lactose	000063-42-3	aqueous	1/1	1/1	1/1	1/1	1/1	1/1
Lanolin	008006-54-0	techn. pure	3/3	3/3	3/3	1/1	4/4	1/1
Lard	—		0/0	0/0	(2)	0/0	2/0	1/0
Latex	—		0/0	0/0	1/1	0/0	(3)	(2)
Laurel	—	ground	0/0	0/0	(2)	1/1	(2)	(2)
Lauryl alcohol	000112-53-8	100 %	0/0	0/0	1/1	1/1	3/0	3/3
Lauryl chloride	000112-52-7	100 %	0/0	0/0	(3)	0/0	4/4	(3)
Lavender oil	008000-28-0		0/0	0/0	(3)	0/0	4/4	3/0
Lead acetate	000301-04-2	aqueous	1/1	1/1	1/1	1/1	1/0	3/0
Lead acetate	000301-04-2		1/1	1/1	1/1	0/0	1/0	2/2
Lead nitrate	010099-74-8	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Lead nitrate	010099-74-8		1/1	1/1	1/1	1/1	1/0	1/0
Lead stearate	001072-35-1		1/1	1/1	1/1	1/1	(2)	(2)
Lead sulfate	007446-14-2		1/1	1/1	1/1	1/1	1/1	(2)
Lead tetraethyl (TEL)	000078-00-2	techn. pure	1/0	1/0	2/4	0/0	4/4	3/0
Lemon juice	—		1/1	1/1	1/1	1/1	(1)	1/1
Lemon oil	084929-31-7		0/0	0/0	(3)	4/4	4/4	3/3
Lemongrass oil	008007-02-1		0/0	0/0	(3)	4/4	4/4	(4)
Ligroin	008032-32-4		0/0	0/0	(3)	3/3	4/4	1/0
Lime chloride	—	aqueous	0/0	0/0	(2)	0/0	1/0	4/4
Lime chloride	—		0/0	0/0	1/1	1/3	1/0	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Limonene, DL-	000138-86-3		0/0	0/0	(3)	0/0	4/4	3/3
Linseed oil	008001-26-1	techn. pure	1/1	1/3	1/1	1/1	4/4	1/1
Liqueurs	—		1/0	0/0	1/0	0/0	1/0	1/1
Lithium bromide	007550-35-8		1/1	1/1	1/1	0/0	1/0	1/0
Lube oils	—		1/3	2/3	3/0	0/0	4/4	1/0
Lysol	—		0/0	0/0	1/3	0/0	(3)	(3)
Machine oil	—	100 %	0/0	1/4	1/3	0/0	4/4	1/0
Magnesium bromide	007789-48-2		1/1	1/1	1/1	1/1	1/1	(2)
Magnesium carbonate	000546-93-0	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Magnesium chloride	007786-30-3	aqueous	1/1	1/1	1/1	1/1	1/1	1/0
Magnesium chlorite	??		0/0	0/0	0/0	0/0	0/0	0/0
Magnesium hydroxide	001309-42-8	saturated	1/1	1/1	1/1	1/1	1/1	2/0
Magnesium iodide	010377-58-9		1/1	1/1	1/1	0/0	1/1	(2)
Magnesium nitrate	010377-60-3	saturated	1/1	1/1	1/1	1/0	1/1	(2)
Magnesiumsulfat	007487-88-9	each	1/1	1/1	1/1	1/1	1/1	2/0
Maize-germ oil	008001-30-7	techn. pure	1/3	0/0	1/3	1/1	4/4	1/0
Maleic acid	000110-16-7	saturated	1/1	1/1	1/1	0/0	4/4	4/4
Maleic acid	000110-16-7	aqueous	1/1	1/1	1/1	0/0	4/4	1/0
Margarine	—		0/0	0/0	1/1	1/0	4/4	1/0
Menthol	000089-78-1	solid	1/3	3/4	1/3	4/4	3/0	3/3
Mercuric chloride	007487-94-7	aqueous	1/1	1/1	1/1	1/3	1/0	1/3
Mercuric cyanide	000592-04-1	saturated	1/1	1/1	1/1	0/0	(1)	(2)
Mercuric nitrate	010045-94-0	saturated	1/1	1/1	1/1	1/0	1/0	1/3
Mercury	007439-97-6	pure	1/1	1/1	1/1	1/1	1/1	1/1
Mesityl oxide	000141-79-7		0/0	0/0	(3)	4/4	3/0	4/4
Methacetone								
Methacrylic acid	000079-41-4		1/0	1/1	1/1	0/0	3/0	4/4
Methane	000074-82-8	techn. pure	1/0	0/0	1/0	0/0	4/4	1/0
Methanoic acid								
Methenamine								
Methoxy butanol	—	100 %	0/0	1/3	1/3	0/0	3/0	1/0
Methoxyethane	000540-67-0	100 %	0/0	3/0	(3)	4/4	4/4	4/4
Methoxyethyl oleate								
Methyl acetate	000079-20-9	techn. pure	1/0	1/1	1/3	4/4	3/0	4/4
Methyl acrylate	000096-33-3		0/0	0/0	(2)	4/4	4/4	4/4
Methyl alcohol	000067-56-1		1/1	1/1	1/1	3/4	1/0	3/3
Methyl amine	000074-89-5	32 %	1/0	1/0	1/0	0/0	1/0	4/4
Methyl benzene	000108-88-3		3/4	3/4	3/4	4/4	4/4	4/4
Methyl bromide	000074-83-9	techn. pure	3/0	4/4	4/4	4/4	4/4	4/4
Methyl butanol	—		0/0	0/0	1/1	0/0	3/0	3/3
Methyl butyl ketone	000591-78-6		0/0	0/0	(3)	4/4	1/0	4/4
Methyl cellosolveat oleate								
Methyl chloride	000074-87-3	techn. pure	3/0	2/0	4/4	4/4	4/4	4/4
Methyl cyanide								
Methyl dichloroacetate	000116-54-1		1/1	0/0	1/1	0/0	4/4	4/4
Methyl ethyl carbinol								
Methyl ethyl ether								
Methyl ethyl ketone (MEK)	000078-93-3		1/3	3/4	1/3	4/4	3/0	4/4
Methyl ethylene oxide								
Methyl formate	000107-31-3		0/0	0/0	(2)	0/0	2/0	4/4
Methyl isobutyl ketone	000108-10-1		1/2	2/3	2/4	4/4	4/4	4/4
Methyl isopropyl ketone	000563-80-4		0/0	0/0	(3)	4/4	3/0	4/4
Methyl ketone								
Methyl methacrylate	000080-62-6	100 %	0/0	0/0	(2)	4/4	4/4	4/4
Methyl propyl ketone	000107-87-9		1/2	2/3	2/3	4/4	(3)	4/4
Methyl salicylate	000119-36-8		0/0	0/0	1/0	4/4	2/0	4/4
Methyl sulfuric acid	000077-78-1	50 %	0/0	1/1	2/4	0/0	1/0	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Methyl sulfuric acid	000077-78-1	aqueous	0/0	0/0	(2)	0/0	1/0	4/4
Methyl-1-propanol, 2-								
Methylchloroacetate	000096-34-4	techn. pure	1/1	0/0	1/1	4/4	3/0	4/4
Methylcyclohexane	000108-87-2		3/0	3/0	3/0	0/0	4/4	4/4
Methylcyclopentane	000096-37-7		0/0	0/0	(3)	0/0	4/4	4/4
Methylene chloride	000075-09-2		4/4	4/4	3/4	4/4	4/4	4/4
Methylglycol acetate	000110-49-6		0/0	0/0	(2)	0/0	3/0	4/4
Methyloxirane								
Methylpropyl acetate, 2-								
Milk	—		1/1	1/1	1/1	1/1	3/0	1/0
Mineral oil	008012-95-1		1/1	2/4	1/3	1/1	4/4	2/2
Mineral water	—		1/1	1/1	1/1	0/0	1/1	1/1
Molasses	—		1/1	1/1	1/1	0/0	1/0	1/1
Molasses wort	—		1/1	1/1	1/1	0/0	1/0	1/1
Monochlorobenzene (MCB)								
Monochloroethane	000075-00-3		3/3	3/4	3/4	4/4	4/4	4/4
Morpholine	000110-91-8	techn. pure	1/1	1/1	1/1	0/0	3/0	4/4
Motor oil	—		0/0	0/0	1/3	0/0	4/4	1/0
Mowilith D	—		1/0	0/0	1/0	0/0	(2)	(2)
Muscat	—	ground	0/0	0/0	(2)	4/4	(2)	(2)
Mustard	—		0/0	0/0	1/1	1/1	(2)	1/0
Naphtha	008032-32-4		1/3	3/4	1/3	3/0	4/4	4/4
Naphthalene	000091-20-3	100 %	0/0	1/3	1/3	3/4	4/4	4/4
Naphthalene (in alcohol)	—		1/4	1/4	1/3	3/4	4/4	(3)
Neon	007440-01-9		0/0	0/0	(1)	0/0	1/1	1/0
Nickel acetate	000373-02-4	aqueous	1/1	1/1	1/1	0/0	1/0	3/0
Nickel dichloride	007718-54-9	saturated	1/1	1/1	1/1	0/0	1/0	1/0
Nickel dichloride	007718-54-9	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Nickel sulfate	007786-81-4	saturated	1/1	1/1	1/1	1/1	1/0	1/1
Nickel sulfate	007786-81-4	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Nickelous nitrate	013138-45-9	saturated	1/1	1/1	1/1	1/0	1/0	1/0
Nicotine	000054-11-5		1/0	1/0	1/0	1/0	1/0	1/1
Nicotinic acid	000059-67-6	diluted	1/1	1/1	1/0	0/0	(2)	(2)
Nitric acid	007697-37-2	1-10 %	1/1	1/1	1/1	2/4	2/0	4/4
Nitric acid	007697-37-2	50 %	2/4	3/4	3/4	4/4	4/4	4/4
Nitric acid	007697-37-2	66 %	2/4	3/4	4/4	4/4	4/4	4/4
Nitric acid	007697-37-2	100 %	4/4	4/4	4/4	0/0	4/4	4/4
Nitric acid	007697-37-2	70 %	2/4	3/4	4/4	4/4	4/4	4/4
Nitric acid								
Nitric acid, magnesium salt								
Nitric acid, potassium salt								
Nitro benzoic acid	—		1/0	1/0	1/0	0/0	3/0	(2)
Nitro reducer	—		0/0	0/0	(3)	4/4	(3)	4/4
Nitrobenzene	000098-95-3		3/4	4/4	2/4	4/4	4/4	4/4
Nitroethane	000079-24-3		0/0	0/0	(2)	0/0	3/0	4/4
Nitrogen	007727-37-9		0/0	0/0	1/1	0/0	1/1	1/0
Nitrogen hydride								
Nitrogen tetroxide	010544-72-6		0/0	0/0	1/0	0/0	4/4	4/4
Nitroglycerine	000055-63-0	diluted	0/0	0/0	(2)	0/0	1/0	4/4
Nitrohydrochloric acid	008007-56-5		4/4	4/4	4/4	4/4	4/4	4/4
Nitropropane	—		0/0	0/0	(2)	0/0	3/0	4/4
Nitrose gases	—	diluted	1/1	0/0	1/4	0/0	3/0	4/4
Nitrotoluene	001321-12-6	techn. pure	1/3	1/3	1/3	4/4	4/4	4/4
Nitrous acid, sodium salt								
Nitrous oxide	010024-97-2		0/0	0/0	(2)	0/0	2/0	1/0
Nonanol								
Nonyl alcohol	000143-08-8	100 %	0/0	1/1	1/1	1/0	1/0	3/3

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Phenyl methyl ketone								
Phenylethanone, 1-								
Phenylhydrazine	000100-63-0	techn. pure	3/0	0/0	3/4	0/0	4/4	4/4
Phenylhydrazine hydrochloride	000059-88-1		0/0	0/0	1/3	0/0	(3)	1/3
Phenylsulfonate	070528-83-5		0/0	1/1	1/1	0/0	0/0	0/0
Phosgene	000075-44-5	liquid	0/0	0/0	0/0	0/0	(3)	3/0
Phosgene	000075-44-5	gaseous	0/0	3/0	3/4	0/0	(3)	3/0
Phosphates	—	aqueous	1/1	1/1	3/4	0/0	(1)	(2)
Phosphine	007803-51-2	concentrated	0/0	0/0	(3)	0/0	1/0	4/4
Phosphoric acid	007664-38-2	30 %	1/1	1/1	1/1	1/1	1/0	3/3
Phosphoric acid	007664-38-2	85 %	1/1	1/1	1/2	1/2	3/0	4/4
Phosphoric acid	007664-38-2	1-5 %	1/1	1/1	1/1	2/2	1/0	2/3
Phosphoric acid	007664-38-2	20%	1/1	1/1	1/1	0/0	1/0	3/3
Phosphorus oxychloride	010025-87-3	100 %	0/0	1/0	1/3	0/0	1/0	4/4
Phosphorus oxychloride	010025-87-3		0/0	1/0	1/3	0/0	1/0	4/4
Phosphorus pentachloride	010026-13-8		0/0	1/0	1/1	0/0	(3)	4/4
Phosphorus pentoxide	001314-56-3	techn. pure	1/0	0/0	1/0	0/0	(3)	3/4
Phosphorus trichloride	007719-12-2		3/3	3/3	1/3	0/0	1/0	4/4
Phthalic acid	000088-99-3	saturated	1/1	1/1	1/1	1/0	1/0	4/4
Phthalsäuremonoamylester ?	??		0/0	0/0	(2)	0/0	(2)	(3)
Picric acid	000088-89-1	1 % aqueous	1/0	1/0	1/1	0/0	3/0	3/4
Pine oil	008023-99-2		0/0	0/0	1/1	4/4	4/4	1/0
Pineapple juice	—		1/1	1/1	1/1	1/0	(1)	(1)
Pink	—	ground	0/0	0/0	(2)	4/4	(2)	(2)
Piperidine	000110-89-4		0/0	0/0	(2)	0/0	4/4	4/4
Plasticiser	—		1/3	1/3	1/3	0/0	(2-3)	4/4
Polish remover	—		0/0	0/0	1/3	4/4	(3)	4/4
Polyester resins	—		3/4	3/4	3/0	0/0	4/4	4/4
Polyethylene glycol	025322-68-3	100 %	1/1	1/1	1/1	0/0	(2-3)	(3)
Polyoxymethylene								
Polyran M25 N	—	80°C	0	0	0	0	0/0	3
Polyran M400	—	80°C	0	0	0	0	0/0	(3)
Polysolvan O	007397-62-8	100 %	0/0	1/1	(2)	0/0	0/0	(3)
Potassium acetate	000127-08-2	aqueous	1/1	1/1	1/1	0/0	1/1	3/3
Potassium bisulfate	007646-93-7	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Potassium bisulfate	007646-93-7		1/1	1/1	1/1	1/1	1/0	1/1
Potassium bitartrate	000868-14-4	saturated	1/1	1/1	1/1	0/0	(2)	(1)
Potassium borate	012228-88-5	10 %	1/1	1/1	1/1	0/0	1/0	1/1
Potassium borate	012228-88-5	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Potassium bromate	007758-01-2	saturated	1/3	1/3	1/1	1/1	1/0	1/1
Potassium bromate	007758-01-2	aqueous	0/0	0/0	1/1	0/0	1/0	1/1
Potassium bromide	007758-02-3	each	1/1	1/1	1/1	1/1	1/0	1/1
Potassium carbonate	000584-08-7	saturated	1/1	1/1	1/1	1/1	1/0	1/1
Potassium carbonate	000584-08-7	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Potassium chlorate	003811-04-9	saturated	1/1	0/0	1/1	1/0	1/0	4/4
Potassium chlorate	003811-04-9	aqueous	1/1	0/0	1/1	1/0	1/0	4/4
Potassium chloride	007447-40-7	aqueous	1/1	1/1	1/1	1/1	1/0	1/1
Potassium chromate	007789-00-6	saturated	1/0	1/1	1/1	1/1	1/0	3/3
Potassium chromate	007789-00-6	aqueous	0/0	0/0	1/1	0/0	1/0	3/3
Potassium cyanide	000151-50-8	saturated	1/1	1/1	1/1	0/0	1/0	3/3
Potassium cyanide	000151-50-8	aqueous	1/1	1/1	1/1	0/0	1/0	3/3
Potassium dichromate	007778-50-9	saturated	1/1	1/0	1/1	1/3	1/0	3/3
Potassium dichromate	007778-50-9	aqueous	0/0	0/0	1/1	0/0	1/0	3/3
Potassium ferricyanide	013746-66-2	each	1/1	1/1	1/1	1/1	(1)	(1)
Potassium ferrocyanide	014459-95-1	saturated	1/1	1/1	1/1	0/0	(1)	(1)
Potassium ferrocyanide	014459-95-1	diluted	1/0	1/1	1/1	0/0	(1)	(1)
Potassium fluoride	007789-23-3		1/1	1/1	1/1	0/0	(1)	(1)

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Potassium hydrogen carbonate	000298-14-6	saturated	1/1	1/1	1/1	0/0	1/1	1/1
Potassium hydroxide	001310-58-3	10 %	1/1	1/1	1/1	0/0	1/0	3/3
Potassium hydroxide	001310-58-3	30 %	1/1	1/1	1/1	1/0	1/0	3/3
Potassium hydroxide	001310-58-3	50 %	1/1	1/1	1/1	2/2	1/0	3/4
Potassium hydroxide	001310-58-3	concentrated	1/1	1/1	1/1	2/2	1/0	3/4
Potassium hydroxide	001310-58-3	1 %	1/1	1/1	1/1	2/2	1/0	3/3
Potassium hypochlorite	007778-66-7	diluted	1/0	1/3	1/3	3/0	3/0	3/3
Potassium iodate	007758-05-6		0/0	0/0	1/1	0/0	(1)	(2)
Potassium iodide	007681-11-0	saturated	1/1	1/1	1/1	1/1	1/0	1/3
Potassium iodide	007681-11-0	aqueous	1/1	1/1	1/1	0/0	1/0	1/3
Potassium lye								
Potassium nitrate	007757-79-1	50 %	1/1	1/1	1/1	1/1	1/0	1/1
Potassium nitrate	007757-79-1	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Potassium perchlorate	007778-74-7	saturated	1/1	1/1	1/1	0/0	1/0	1/3
Potassium perchlorate	007778-74-7	aqueous	1/1	1/1	1/1	0/0	1/0	4/4
Potassium permanganate	007722-64-7	aqueous	0/0	0/0	1/1	0/0	1/0	4/4
Potassium permanganate	007722-64-7		1/3	1/1	1/1	1/3	1/0	4/4
Potassium persulfate	007727-21-1	each	1/1	1/1	1/1	1/0	1/0	4/4
Potassium sulfate	007778-80-5	aqueous	1/1	1/1	1/1	0/0	1/1	1/1
Potassium sulfide	001312-73-8	diluted	1/1	1/1	1/1	1/1	(1)	2/0
Potassium sulfite	010117-38-1	saturated	1/1	1/1	1/1	0/0	1/0	1/0
Potassium thiosulfate	010233-00-8	saturated	1/1	1/1	1/1	0/0	(1)	3/3
Precipitated silica	001343-98-2	each	1/1	1/1	1/1	1/1	1/1	1/1
Prontosil	—		0/0	0/0	(2)	0/0	(2)	(2)
Propane	000074-98-6	liquid	1/0	1/0	1/0	0/0	4/4	(2)
Propane	000074-98-6	gaseous	3/4	4/4	2/4	4/4	4/4	1/0
Propanetriol, 1,2,3-								
Propanone, 2-								
Propargyl alcohol	000107-19-7	7 %	1/1	1/1	1/1	0/0	1/0	1/1
Propenenitrile, 2-								
Propenyl alcohol								
Propionic acid	000079-09-4	50 %	1/3	1/3	1/1	4/4	3/0	4/4
Propionic acid	000079-09-4		1/3	1/3	1/3	4/4	4/4	4/4
Propyl acetate, normal	000109-60-4		0/0	0/0	(2)	0/0	3/0	4/4
Propyl alcohol	000071-23-8		1/1	1/1	1/1	3/0	1/0	3/3
Propyl carbinol								
Propyl nitrate	000627-13-4		0/0	0/0	(2)	0/0	3/0	4/4
Propylamine, n-	000107-10-8		0/0	0/0	(2)	0/0	4/4	4/4
Propylene	000115-07-1		1/1	1/1	1/1	4/4	4/4	4/4
Propylene glycol	000057-55-6		1/1	1/1	1/1	1/1	1/0	1/3
Propylene oxid	000075-56-9		1/1	1/2	1/2	4/4	3/0	4/4
Pydraul C (312, 540)	—		0/0	0/0	0/0	0/0	4/4	4/4
Pydraul E (29, 30, 50, 65, 90, 11)	—		0/0	0/0	0/0	0/0	1/0	4/4
Pyridine	000110-86-1		1/3	0/2	3/3	4/4	4/4	4/4
Pyrogallic acid	000087-66-1		0/0	0/0	1/0	3/0	(3)	(3)
Pyroligneous oil	008001-20-5		0/0	0/0	(2)	0/0	4/4	1/0
Pyrrole	000109-97-7		0/0	0/0	(3)	0/0	4/4	4/4
Quinine	000130-95-0		1/1	1/1	1/1	0/0	(2)	(1)
Quinol								
Ramasit	—		0/0	0/0	0/0	0/0	0/0	0/0
Resorcinol	000108-46-3	5 %	1/1	1/1	1/1	2/3	(3)	(3)
Resorcinol	000108-46-3	saturated	1/1	1/1	1/1	2/3	(3)	(3)
Roaster off-gas	—	each	0/0	0/0	1/1	0/0	1/0	4/4
Rose oil	008007-01-0		0/0	0/0	(2)	4/4	(3)	(3)
Rum ether	008030-89-5		0/0	0/0	(2)	4/4	(3)	(3)
Sagrotan	—	liquid	1/2	1/3	1/3	3/4	1/0	3/0
Salicyl acid	000069-72-7	saturated	1/1	1/1	1/1	1/2	1/0	3/3

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Salicyl acid	000069-72-7	powder	1/1	1/1	1/1	1/1	1/0	3/3
Salicylaldehyde	000090-02-8		1/1	1/2	1/2	4/4	(3)	4/4
Salt spring	007647-14-5	saturated	1/1	1/1	1/1	0/0	1/0	1/1
Salt water, sea water	—		1/1	1/1	1/1	1/1	1/1	1/1
Saltpeter								
Saturated steam condensate	—		0/0	0/0	1/1	0/0	(2)	(2)
Sea water	—		1/1	1/1	1/1	1/1	1/1	1/1
Silicofluoric acid	016961-83-4	32 %	1/1	1/1	1/1	0/0	3/0	3/4
Silicone greases	—		0/0	0/0	1/1	0/0	1/0	1/1
Silicone oil	—		1/1	1/1	1/1	3/3	1/0	1/1
Silver acetate	000563-63-3		1/1	1/1	1/1	2/2	(1)	(3)
Silver cyanide	000506-64-9		1/1	1/1	1/1	0/0	(1)	(3)
Silver nitrate	007761-88-8	aqueous	1/1	0/0	1/1	0/0	1/0	3/3
Silver nitrate	007761-88-8		1/1	1/2	1/2	2/3	1/0	3/3
Skydrol 500 (B4)	—		0/0	0/0	0/0	0/0	1/0	4/4
Skydrol 7000	—		0/0	0/0	0/0	0/0	1/0	4/4
Soaps, liquid	—		1/1	1/1	1/1	0/0	(2)	(2)
Soapy solution	—	each	1/1	0/0	1/1	0/0	1/0	1/1
Sodium acetate	000127-09-3	each	1/1	1/1	1/1	2/2	1/0	3/3
Sodium benzoate	000532-32-1	36 %	1/1	1/1	1/1	0/0	1/0	1/1
Sodium benzoate	000532-32-1	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Sodium benzoate	000532-32-1		1/1	1/1	1/1	1/1	1/0	1/1
Sodium bicarbonate	000144-55-8	aqueous	1/1	1/1	1/1	0/0	1/1	1/1
Sodium bisulfate	007681-38-1	10 %	1/1	1/1	1/1	0/0	1/0	1/3
Sodium bisulfate	007681-38-1	each	1/1	1/1	1/1	1/3	1/0	1/3
Sodium bisulfite	007631-90-5	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Sodium borate	001303-96-4	saturated	1/1	1/1	1/1	1/1	1/1	3/3
Sodium borate	001303-96-4	aqueous	1/1	1/1	1/1	0/0	1/1	1/0
Sodium bromate	007789-38-0	each	1/0	1/3	1/1	1/1	(2)	1/3
Sodium bromide	007647-15-6	each	1/1	1/1	1/1	1/1	(1)	1/3
Sodium carbonate	000497-19-8	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Sodium carbonate	000497-19-8	aqueous	1/1	1/1	1/1	0/0	1/1	1/1
Sodium carbonate	000497-19-8		1/1	1/1	1/1	2/0	1/1	1/1
Sodium chlorate	007775-09-9	each	1/1	1/0	1/1	1/0	1/0	2/3
Sodium chlorate	007775-09-9	aqueous	0/0	0/0	1/1	0/0	1/0	3/3
Sodium chloride	007647-14-5	each	1/1	1/1	1/1	1/1	1/1	1/1
Sodium chloride	007647-14-5	aqueous	1/1	1/1	1/1	1/1	1/1	1/1
Sodium chlorite	007758-19-2	diluted	1/0	1/3	1/3	0/0	1/0	4/4
Sodium chromate	007775-11-3	diluted	1/0	1/0	1/1	1/1	1/0	1/3
Sodium cyanide	000143-33-9	saturated	1/1	1/1	1/1	0/0	1/0	3/3
Sodium cyanide	000143-33-9	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Sodium dichromate	010588-01-9		0/0	1/1	1/1	1/1	1/0	3/3
Sodium dithionite								
Sodium dodecylbenzene sulfonate	025155-30-0		1/1	1/1	1/1	0/0	(1)	(2)
Sodium ferrocyanide	013601-19-9		1/1	1/1	1/1	0/0	(1)	(2)
Sodium fluoride	007681-49-4	saturated	1/1	1/1	1/1	1/0	1/0	1/1
Sodium hydrosulfite	007775-14-6	10 %	1/1	0/0	1/1	0/0	1/0	3/3
Sodium hydrosulfite	007775-14-6		1/1	0/0	1/1	0/0	1/0	3/3
Sodium hydroxide	001310-73-2	concentrated	1/1	1/1	1/1	0/0	1/0	3/4
Sodium hydroxide	001310-73-2	30 %	1/1	1/1	1/1	1/0	1/0	2/3
Sodium hydroxide	001310-73-2	45 %	1/1	1/1	1/1	1/1	1/0	2/3
Sodium hydroxide	001310-73-2	50 %	1/1	1/1	1/1	2/2	1/0	3/3
Sodium hydroxide	001310-73-2	60 %	1/1	1/1	1/1	1/0	1/0	2/3
Sodium hydroxide	001310-73-2	1 %	1/1	1/1	1/1	2/2	1/0	1/3
Sodium hypochlorite	007681-52-9	diluted	2/3	2/3	2/3	1/3	3/0	4/4
Sodium hypochlorite	007681-52-9	15 %	2/3	2/3	2/3	1/3	3/0	4/4
Sodium hypochlorite	007681-52-9	saturated	2/3	2/3	2/3	1/3	3/0	4/4

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Sodium hypochlorite	007681-52-9	12,5 % Cl	2/3	2/3	2/3	1/3	3/0	4/4
Sodium iodide	007681-82-5	each	1/1	1/1	1/0	0/0	(1)	1/1
Sodium metabisulfite	007681-57-4	each	1/1	1/1	1/1	0/0	1/0	1/0
Sodium nitrate	007631-99-4	saturated	1/1	1/1	1/1	1/1	1/0	2/3
Sodium nitrate	007631-99-4	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Sodium nitrite	007632-00-0	saturated	1/1	1/1	1/1	1/1	1/0	2/3
Sodium nitrite	007632-00-0	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Sodium oxalate	000062-76-0	saturated	1/1	1/1	1/1	0/0	(1)	1/0
Sodium perborate	013517-20-9	saturated	1/1	1/1	1/1	1/1	1/0	3/0
Sodium perborate	013517-20-9	aqueous	1/1	1/1	1/1	0/0	1/0	3/0
Sodium perchlorate	007601-89-0	saturated	1/1	1/1	1/1	0/0	1/0	(1)
Sodium peroxide	001313-60-6	10 %	0/0	1/3	2/2	0/0	1/0	3/0
Sodium peroxide	001313-60-6	saturated	0/0	3/3	2/2	0/0	1/0	(4)
Sodium persulfate	007775-27-1	saturated	1/1	0/0	1/1	0/0	1/0	(3)
Sodium phosphate	010101-89-0	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Sodium phosphate	010101-89-0	aqueous	1/1	1/1	1/1	0/0	1/1	1/1
Sodium polyphosphates	068915-31-1	saturated	1/1	1/1	1/1	0/0	1/0	1/0
Sodium silicate	001344-09-8	each	1/1	1/1	1/1	1/0	1/0	1/1
Sodium silicate	001344-09-8	saturated	1/1	1/1	1/1	1/1	1/0	1/1
Sodium stearate	000822-16-2	aqueous	1/1	1/1	1/1	0/0	(2)	1/0
Sodium sulfate	007757-82-6	saturated	1/1	1/1	1/1	1/1	1/1	2/3
Sodium sulfate	007757-82-6	aqueous	1/1	1/1	1/1	0/0	1/1	1/1
Sodium sulfate	007757-82-6		1/1	1/1	1/1	0/0	1/1	(1)
Sodium sulfide	001313-82-2	saturated	1/1	1/1	1/1	1/1	1/0	2/3
Sodium sulfide	001313-82-2	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Sodium sulfite	007757-83-7	saturated	1/1	1/1	1/1	1/1	1/0	2/3
Sodium sulfoxylate								
Sodium thiosulfate	010102-17-7	each	1/1	1/1	1/1	0/0	1/0	3/3
Sodium thiosulfate	010102-17-7	saturated	1/1	1/1	1/1	1/1	1/0	2/3
Sodium thiosulfate	010102-17-7	aqueous	1/1	1/1	1/1	0/0	1/0	1/0
Soft soap	—	diluted	1/3	1/1	1/1	0/0	(2)	1/1
Soya oil	008001-22-7		0/0	0/0	1/0	0/0	4/4	1/0
Spermaceti	008002-23-1		0/0	1/3	1/0	0/0	4/4	1/0
Spindle oil	—		3/3	2/3	1/4	0/0	(4)	1/1
Spinning bath acid	—	100mg CS ₂ /l	1/0	0/0	1/0	0/0	(3)	4/4
Spirit (of wine)	—		1/0	1/3	1/1	3/4	1/0	3/3
Spirits	—		1/1	1/0	1/1	0/0	1/0	1/1
Spirits of Turpentine	008006-64-2		2/2	3/4	4/4	4/4	4/4	3/3
Spirits of wine	—	50 %	1/0	1/1	1/1	1/0	1/0	1/1
Spirits of wine	—	96 %	1/0	1/3	1/1	3/4	1/0	3/3
Spruce oil	008008-80-8		1/2	2/4	1/2	4/4	4/4	3/3
Stannic chloride	007646-78-8	aqueous	1/1	1/1	1/1	4/4	1/0	1/0
Stannous chloride	007772-99-8	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Stannous chloride	007772-99-8	saturated	1/1	1/1	1/1	1/1	1/0	1/1
Starch solution	—	each	1/1	1/1	1/1	0/0	1/1	1/1
Starch syrup	—		1/1	1/1	1/1	0/0	1/1	1/1
Stauffer grease, thick	—		0/0	0/0	(2)	1/4	4/4	(2)
Steam	—	up to 150°C	4	4	(3)	0	1	4/4
Stearic acid	000057-11-4	crystals	1/3	1/3	1/3	1/2	3/0	3/3
Strontium bromide	010476-81-0		1/1	1/1	1/1	0/0	(1)	(2)
Strychnine	000057-24-9		1/1	1/1	(1)	1/1	(2)	(2)
Styrene	000100-42-5	100 %	4/4	3/4	3/4	0/0	4/4	4/4
Succinic acid	000110-15-6	50 %	1/1	1/1	1/1	0/0	1/0	(1)
Succinic acid	000110-15-6	saturated	1/1	1/1	1/1	1/1	1/0	1/1
Sugar acid	—	saturated	1/1	1/1	1/1	0/0	1/0	(1)

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Sugar beet juice	—		1/1	1/1	1/1	1/1	1/0	1/1
Sugar syrup	—		1/1	1/1	1/1	1/1	1/1	1/1
Sulfur	007704-34-9	techn. pure	1/1	1/1	1/1	1/1	3/0	4/4
Sulfur (mono)chloride	010025-67-9		0/0	0/0	4/4	0/0	4/4	4/4
Sulfur dioxide	007446-09-5	damp	1/1	1/1	1/3	3/4	1/0	4/4
Sulfur dioxide	007446-09-5	liquid	3/4	4/4	4/4	4/4	1/0	4/4
Sulfur hexafluoride	002551-62-4		0/0	0/0	(2)	0/0	1/0	1/0
Sulfur trioxide	007446-11-9		4/4	4/4	4/4	0/0	3/0	4/4
Sulfur, melted, 121 °C	007704-34-9		0	0	4	4	4	4
Sulfuric acid	007664-93-3	40 %	1/1	1/1	1/1	2/0	(3)	4/4
Sulfuric acid	007664-93-3	60 %	1/3	1/3	1/3	2/4	4/4	4/4
Sulfuric acid	007664-93-3	80 %	1/1	1/1	1/1	3/4	4/4	4/4
Sulfuric acid	007664-93-3	95 %	3/4	3/4	3/4	4/4	4/4	4/4
Sulfuric acid	007664-93-3	fuming	4/4	4/4	4/4	4/4	4/4	4/4
Sulfuric acid	007664-93-3	1-6 %	1/1	1/1	1/1	1/2	1/0	3/0
Sulfuric acid	007664-93-3	20 %	1/1	1/1	1/2	1/2	2/0	4/4
Sulfuric acid								
Sulfurous acid	007782-99-2	saturated	1/1	1/1	1/1	0/0	3/0	3/4
Sulfurous acid, disodium salt								
Sulfuryl chloride	007791-25-5	techn. pure	4/4	4/4	4/4	0/0	3/0	4/4
Tallow	—	techn. pure	1/1	1/1	1/1	0/0	3/0	1/1
Tannic acid	001401-55-4	10 %	1/1	1/1	1/1	3/3	3/0	3/3
Tannic acid	001401-55-4		1/1	1/1	1/1	1/1	3/0	3/3
Tanning extracts	—		1/1	1/1	1/3	0/0	3/0	3/3
Tanning extracts, vegetable	—	techn. usually	1/1	1/1	1/1	0/0	3/0	3/3
Tar	—		0/0	1/0	(2)	1/0	4/4	4/4
Tartaric acid	000087-69-4	aqueous	1/1	1/1	1/1	0/0	3/0	1/1
Tartaric acid	000087-69-4		1/1	1/1	1/1	2/2	3/0	1/1
Tetrabromoethane (TBE)	—	100 %	4/4	3/4	3/4	4/4	4/4	4/4
Tetrachlorethane	—	techn. pure	3/0	3/4	3/4	4/4	4/4	4/4
Tetrachlorodifluoroethane	000076-12-0		0/0	0/0	(3)	0/0	4/4	3/0
Tetrachloroethylene	000127-18-4		4/4	4/4	4/4	4/4	4/4	4/4
Tetrahydrofuran (THF)	000109-99-9		3/4	4/4	3/4	4/4	4/4	4/4
Tetrahydrofurfuryl alcohol	000097-99-4		0/0	0/0	(2)	0/0	(3)	(4)
Tetrahydronaphthalene	000119-64-2	techn. pure	3/4	4/4	4/4	4/4	4/4	4/4
Thiocyanic acid, ammonium salt								
Thioglycolic acid	000068-11-1		0/0	1/1	1/1	0/0	(3)	(4)
Thionyl chloride	007719-09-7	techn. pure	4/4	4/4	4/4	4/4	3/0	4/4
Thiophene	000110-02-1		3/3	3/3	3/4	4/4	4/4	3/0
Thymol	000089-83-8		0/0	0/0	(3)	3/4	(4)	4/4
Titanium (tetra)chloride	007550-45-0		0/0	0/0	(3)	0/0	4/4	4/4
Toluene	092045-38-0	100 %	1/0	1/3	1/3	0/0	4/4	4/4
Train oil	—		0/0	0/0	(2)	0/0	3/4	1/0
Transformer oil	—		1/3	3/3	1/3	1/3	4/4	3/3
Triacetin	000102-76-1		0/0	0/0	(2)	0/0	1/0	3/3
Tribromomethane	000075-25-2		4/4	4/4	4/4	4/4	4/4	4/4
Tributyl citrate (TBC)	000077-94-1		1/2	2/3	2/3	4/4	(3)	(3)
Tributyl phosphate (TBP)	000126-73-8	techn. pure	1/1	1/1	1/3	0/0	3/0	4/4
Trichloroacetaldehyde	000075-87-6	100 %	1/1	1/1	1/1	0/0	3/0	4/4
Trichloroacetic acid (TCA)	000076-03-9		1/4	3/4	1/1	4/4	3/0	4/4
Trichlorobenzene	—	100 %	4/4	4/4	4/4	4/4	(4)	4/4
Trichloroethane	—		3/4	4/4	4/4	4/4	4/4	4/4
Trichloroethylene (TRI)	000079-01-6	100 %	3/4	4/4	4/4	4/4	4/4	4/4
Trichlorofluoromethane	000075-69-4		0/0	0/0	(3)	0/0	4/4	1/0
Trichlorophenol	—		0/0	0/0	(3)	0/0	(4)	(4)
Trichlorotrifluoroethane	000076-13-1		0/0	0/0	(3)	0/0	4/4	1/0
Trichlorotrifluoroethane	—	100 %	4/4	3/4	4/4	4/4	4/4	1/0

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Tricresyl phosphate (TCF)	—	techn. pure	1/1	1/1	1/3	4/4	3/0	4/4
Triethanolamine (TEA)	000102-71-6	techn. pure	1/1	1/2	1/1	1/1	2/0	4/4
Triethylamine (TEA)	000121-44-8	techn. pure	0/0	0/0	4/4	0/0	4/4	3/4
Triethylene glycol	000112-27-6		1/1	1/1	1/1	1/2	(2)	(3)
Triethylene glycol diacetate	000111-21-7		0/0	0/0	(2)	0/0	(3)	(4)
Trihydroxypropane, 1,2,3-								
Triiodomethane								
Triisopropylbenzene	000717-74-8		0/0	0/0	(3)	4/4	4/4	1/0
Trimethylbenzene, 1,2,4-	000095-63-6		0/0	0/0	3/3	4/4	4/4	4/4
Trimethylolpropane	000077-99-6	aqueous	0/0	0/0	1/1	0/0	(1)	(2)
Trimethylpentane, 2,2,4-	000540-84-1	techn. pure	1/3	1/3	1/3	3/4	4/4	1/0
Trioctyl phosphate	000078-42-2	techn. pure	3/0	1/0	1/3	0/0	3/0	4/4
Tripropylene glycol (TPG)	024800-44-0		1/1	1/1	1/1	1/1	(3)	(3)
Trisodium phosphate	007601-54-9		1/1	1/1	1/1	0/0	1/0	1/1
Turbine oil (based on mineral oil)	—		0/0	0/0	1/3	0/0	4/4	1/0
Turpentine surrogate	—		0/0	0/0	(3)	4/4	4/4	(3)
Two-stroke oil	—	100 %	0/0	1/3	1/3	0/0	4/4	1/0
Undecanol	000112-42-5		1/2	1/3	1/2	2/2	(3)	(2)
Urea	000057-13-6	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Urea	000057-13-6		1/1	1/1	1/1	1/2	1/0	1/1
Uric acid	000069-93-2		1/1	1/1	1/0	0/0	1/0	(1)
Urine	—		1/1	1/1	1/1	3/0	1/0	1/1
Urotropin								
Valerian drops	—		0/0	0/0	(2)	4/4	(3)	(2)
Vaseline	008009-03-8	techn. pure	3/4	2/3	1/3	1/1	3/0	1/1
Vaseline oil	008012-95-1	100 %	0/0	1/3	1/3	1/0	3/0	1/0
Vaseline oil	008012-95-1		1/1	1/3	1/3	1/1	4/4	1/3
Vegetable oils	—		0/0	0/0	1/3	0/0	4/4	1/0
Vinegar	000064-19-7		1/1	1/3	1/1	1/0	1/0	3/3
Vinyl acetate	000108-05-4	techn. pure	0/0	1/1	1/4	0/0	1/0	3/3
Vinyl carbinol								
Vinyl chloride (VCM)	000075-01-4	techn. pure	0/0	0/0	(3)	0/0	3/0	4/4
Vinyl cyanide								
Vinylidene chloride	000075-35-4		4/4	4/4	4/4	4/4	4/4	4/4
Vitamin C	000050-81-7	liquid	1/1	1/1	1/1	0/0	(1)	(1)
Walnut oil	008024-09-7		0/0	0/0	1/3	3/3	(3)	(2)
Washingup liquid	—	aqueous	1/1	1/1	1/1	0/0	(2)	(2)
Water	007732-18-5		1/1	1/1	1/1	1/1	1/1	1/1
Water, distilled ~	007732-18-5		1/1	1/1	1/1	1/0	1/1	1/1
Wax alcohol	—	techn. pure	3/4	3/4	3/4	0/0	4/4	1/1
Waxes	—		0/0	1/3	1/3	1/1	(4)	(1)
Wetting agent	—	5 %	1/0	0/0	1/1	0/0	(2)	(2)
Whey	—		1/1	0/0	1/1	0/0	(3)	(2)
Whiskey	—		0/0	0/0	1/1	0/0	1/0	1/1
White Spirit	008042-47-5		1/0	1/0	1/3	0/0	4/4	(2)
Wines	—		1/1	1/1	1/1	1/1	1/0	1/0
Wort for fermentation	—		1/1	1/1	1/1	0/0	(1)	4/4
Xenon	007440-63-3		0/0	0/0	(2)	0/0	1/1	1/0
Xylene	001330-20-7		3/4	3/4	4/4	4/4	4/4	4/4
Yeast	—	each	1/1	1/1	1/1	0/0	1/0	1/1
Zinc acetate	000557-34-6	aqueous	1/1	1/1	1/1	0/0	1/0	3/3
Zinc bromide	007699-45-8		1/1	1/1	1/1	0/0	(2)	(2)
Zinc carbonate	003486-35-9	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Zinc chloride	007646-85-7	aqueous	1/1	1/1	1/1	0/0	1/0	1/1
Zinc nitrate	007779-88-6		1/1	1/1	1/1	1/0	1/0	(2)
Zinc oxide	001314-13-2	solid	1/1	1/1	1/1	1/1	1/1	1/1
Zinc oxide ointment	—		0/0	0/0	(2)	1/1	(4)	(2)

	CAS-nr.	Concentration	HDPE	LDPE	PP	PS	EPDM	NBR
Zinc phosphate	007779-90-0	saturated	1/1	1/1	1/1	1/1	1/1	1/1
Zinc sludge	—		0/0	0/0	1/1	0/0	0/0	0/0
Zinc stearate	000557-05-1		1/1	1/1	1/1	1/1	(2)	(2)
Zinc sulfate	007733-02-0	10 %	1/1	1/1	1/1	1/1	1/0	1/0
Zinkchlorid	007646-85-7	10 %	1/1	1/1	1/1	1/3	1/0	1/1