

### **Important information**

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. No legal claims can be derived from this information; nor do we accept any liability for it. A knowledge of the chemical and mechanical

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If your own experiences with materials and media could be used to extend this table then we would be pleased to receive any additional information. Please send an E-Mail to [info@buerkle.de](mailto:info@buerkle.de). We would also like to receive translations into other languages. Please visit our website at <http://www.buerkle.de> from time to

### **Thanks**

Our special thanks to Franz Kass ([Franzkass@aol.com](mailto:Franzkass@aol.com)), who has completed and extended these lists with great enthusiasm and his excellent specialist knowledge.

### **Publisher**

Bürkle GmbH  
Rheinauen 5  
D-79415 Bad Bellingen  
Tel +49 (76 35) 8 27 95-0  
Fax +49 (76 35) 8 27 95-31  
[info@buerkle.de](mailto:info@buerkle.de)  
<http://www.buerkle.de>

Version 2.0 (01.04.2003)

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroplastics		elastomers		metals		COMMENT					
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	PEP	PTFE	PVDF	EPDM	FPM		NBR	SI	AL	V2A	V4A
Acetaldehyde	C <sub>2</sub> H <sub>4</sub> O	000075-07-0	40 %	F+, Xn	X	3/3	2/4	2/0	4/4	(4)	2/4	2/0	3/4	4/4	4/4	4/4	0/0	4/4	2/3	(1)	1/1	4/4	3/0	4/4	4/4	0/0	(1)	(1)	(1)	Acetic aldehyde; Ethanal; Ethyl aldehyde
Acetaldehyde	C <sub>2</sub> H <sub>4</sub> O	000075-07-0	techn. pure	F+, Xn	X	3/3	2/4	2/0	4/4	(4)	2/4	2/0	3/4	4/4	4/4	0/0	4/4	2/3	(1)	1/1	4/4	3/0	4/4	4/4	0/0	(1)	(1)	(1)		
Acetamide	C <sub>2</sub> H <sub>5</sub> NO	000060-35-5	saturated	Xn		1/1	1/1	1/0	4/4	0/0	1/1	1/0	1/1	1/1	4/4	4/4	0/0	1/1	1/1	1/1	1/1	1/0	4/4	1/0	0/0	(1)	(1)	(1)		
Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	000064-19-7	50 %	C		1/1	1/1	4/4	1/2	0/0	1/1	3/4	1/1	2/2	2/2	1/2	0/0	0/0	1/2	1/1	1/1	1/1	4/4	4/4	4/4	0/0	1/3	1/1	1/1	
Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	000064-19-7	100 %	C+	X	0/0	0/0	4/4	4/4	(3)	4/4	1/3	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	4/4	4/4	4/4	0/0	1/3	1/2	1/2		
Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	000064-19-7	90 %	C+	X	1/1	1/2	4/4	4/4	4/4	1/3	4/4	1/2	4/4	3/4	1/2	4/4	4/4	1/1	1/1	1/1	1/1	4/4	4/4	4/4	0/0	1/3	1/2	1/2	
Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	000064-19-7	10 %	Xi		1/1	1/1	4/4	1/2	1/1	3/0	1/4	1/1	1/1	1/0	1/3	1/0	1/3	1/1	1/1	1/1	1/1	4/4	4/4	4/4	0/0	1/3	1/1	1/1	
Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	000064-19-7	5 %	Xi		1/1	1/3	4/4	1/2	1/1	1/1	1/3	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	3/3	3/3	0/0	1/3	1/2	1/1		
Acetic acid chloride	-> see: Acetyl chloride																													
Acetic acid sodium salt	-> see: Sodium acetate																													
Acetic aldehyde	-> see: Acetaldehyde																													
Acetic anhydride	C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	000108-24-7	techn. pure	C	X	4/4	3/3	3/3	4/4	0/0	4/4	(2)	1/3	4/4	4/4	4/4	0/0	0/0	1/0	1/1	4/4	3/0	4/4	4/4	0/0	(2)	1/1	1/1		
Acetic chloride	-> see: Acetyl chloride																													
Acetone	C <sub>3</sub> H <sub>6</sub> O	000067-64-1		F, Xi	X	1/1	3/3	1/0	4/4	4/4	2/3	1/3	1/3	4/4	4/4	4/4	0/0	4/4	2/3	(1)	1/1	3/4	1/0	4/4	4/4	0/0	1/1	1/1	1/1	Propanone, 2-; Dimethyl ketone; Methyl ketone
Acetonitrile	C <sub>2</sub> H <sub>3</sub> N	000075-05-8		F, T	X	1/1	1/1	1/0	4/4	(4)	3/4	(3)	3/4	4/4	4/4	4/4	0/0	0/0	1/1	(1)	(1)	1/1	(3)	(3)	4/4	0/0	(1)	(1)	(1)	Methyl cyanide; Cyanomethane; Ethanitrile
Acetonyl chloride	-> see: Chloroacetone																													
Acetophenone	C <sub>8</sub> H <sub>8</sub> O	000098-86-2		Xn		0/0	1/0	1/0	(4)	(4)	(4)	1/0	1/3	0/4	0/0	4/4	4/4	0/4	1/1	0/0	1/1	1/3	1/0	4/4	4/4	0/0	1/1	(1)	(1)	Phenylethanone, 1-; Phenyl methyl ketone; Acetylbenzene
Acetyl chloride	C <sub>2</sub> H <sub>3</sub> ClO	000075-36-5	100 %	F, C	X	0/0	0/0	4/4	4/4	(4)	(4)	4/4	3/4	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/0	1/1	4/4	1/0	4/4	0/0	4/4	1/2L	1/1L	Acetic chloride; Ethanoyl chloride; Acetic acid chloride
Acetylene	C <sub>2</sub> H <sub>2</sub>	000074-86-2	100 %	F+	X	1/0	1/0	1/0	1/0	1/1	0/0	1/0	1/0	0/0	0/0	2/0	4/4	3/0	(1)	1/1	1/0	(1)	1/0	1/0	1/0	0/0	(1)	(1)	(1)	Ethine; Ethyne
Acetyloxybenzoic acid, 2-	-> see: Acetylsalicylic acid																													
Acetylsalicylic acid	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	000050-78-2	100 %	Xn		0/0	0/0	1/0	0/0	(2)	0/0	(3)	1/2	1/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/2	(2)	(3)	0/0	0/0	1/0	1/0	1/0	Acetyloxybenzoic acid, 2-;
Acrylonitrile	C <sub>3</sub> H <sub>3.5</sub> N	000107-13-1		F, T	X	1/1	1/3	1/0	4/4	(4)	3/4	(3)	3/4	4/4	4/4	4/4	0/0	1/2	1/1	1/0	3/3	4/4	4/4	4/4	0/0	1/0	1/0	1/0	1/0	Cyanoethylene; Propenenitrile, 2-; Vinyl cyanide
Adipic acid	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	000124-04-9	saturated	Xi		1/1	1/2	0/0	1/1	(2)	1/1	1/3	1/1	1/1	2/2	1/3	1/3	0/0	1/1	1/1	1/1	1/0	1/0	1/0	1/0	0/0	1/0	(2)	(2)	Hexanedioic acid; Butanedicarboxylic acid, 1,4-
Alanine, L-	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	000056-41-7		—		1/1	1/1	1/1	4/4	(2)	1/1	1/1	1/1	1/1	4/4	4/4	0/0	0/0	1/1	1/1	1/1	(1)	1/0	(1)	(1)	0/0	(2)	(2)	(2)	Aminopropanoic acid, L-2; aminopropanoic acid, alpha-
Allspice	—	—	ground	?		0/0	0/0	(2)	4/4	0/0	(2)	2	4/4	0/0	0/0	0/0	3/3	0/0	(1)	(1)	(1)	(2)	(2)	(2)	0/0	(1)	(1)	(1)		
Allyl acetate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	000591-87-7	100 %	F, T	X	0/0	1/3	4/4	4/4	(4)	(4)	(2)	1/3	4/4	0/0	0/0	4/4	0/0	0/0	(1)	1/1	(2)	(3)	4/4	4/4	0/0	(1)	(1)	(1)	
Allyl alcohol	C <sub>3</sub> H <sub>6</sub> O	000107-18-6	96 %	F, T	X	1/3	3/3	3/0	3/3	1/0	1/2	(2)	2/2	2/4	2/3	2/3	4/4	4/4	1/1	1/1	1/1	(2)	1/0	4/4	3/0	0/0	1/1	1/1	1/1	Vinyl carbinol; Propenyl alcohol
Allyl chloride	C <sub>3</sub> H <sub>5</sub> Cl	000107-05-1	100 %	F, T+	X	(3)	3/4	0/0	(4)	(4)	(2)	4/4	0/0	4/4	4/4	0/0	4/4	0/0	(1)	(2)	1/1	4/4	(3)	4/4	0/0	1/0	(1L)	(1L)	Chloro-1-propene, 3-; Chloropropylene, 3-	
Allyl mustard oil	C <sub>8</sub> H <sub>2</sub> NS	000057-06-7		T	X	0/0	0/0	0/0	(4)	(3)	(4)	(2)	0/0	0/0	0/0	4/4	0/0	4/4	0/0	(1)	(1)	(2)	(3)	(3)	(4)	0/0	(1)	(1)	(1)	oleum sinapis
Almond oil, sweet	—	008007-69-0		—		0/0	0/0	(2)	(1)	1/0	0/0	(2)	(2)	3/4	0/0	0/0	1/1	0/0	(1)	1/1	1/1	4/4	(1)	(2)	0/0	(1)	1/1	1/1		
Alumina acidic	C <sub>2</sub> H <sub>7</sub> AlO <sub>5</sub> x H <sub>2</sub> O	000142-03-0	saturated	Xi		1/1	1/0	(2)	(2)	0/0	1/0	1/1	0/0	0/0	1/0	1/1	1/1	1/1	1/1	1/1	(1)	1/0	4/4	3/3	0/0	(1)	1/1	1/1		
Aluminium fluoride	AlF <sub>3</sub>	007789-18-1	aqueous	Xi		1/1	1/1	(3)	(2)	1/1	3/4	1/1	0/0	0/0	1/3	1/3	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/1	0/0	1/1	0/0	
Aluminum ammonium sulfate dodecahydrate	(NH <sub>4</sub> )Al(SO <sub>4</sub> ) <sub>2</sub>	007784-26-1	saturated	Xi		1/1	1/1	3/4	(2)	(2)	0/0	3/4	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	1/0	(2)	1/1	0/0	1/0	1/2	1/3		
Aluminum chloride	AlCl <sub>3</sub>	007784-13-6	10 %	?		1/1	1/2	1/0	1/0	(2)	1/1	3/4	1/1	1/1	0/0	1/1	0/0	1/1	2/2	1/1	1/1	1/1	1/0	1/0	1/1	0/0	4/4	4/4	3/4	
Aluminum chloride	AlCl <sub>3</sub>	007784-13-6	solid	C		1/1	1/1	3/4	(3)	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	(1)	(2)	(3)	(3)	0/0	4/4	4/4	3/4				
Aluminum chloride	AlCl <sub>3</sub>	007784-13-6	saturated	C		1/1	1/1	3/4	(2)	0/0	0/0	4/4	1/1	0/0	0/0	1/1	0/0	1/1	(1)	1/1	(2)	1/0	1/1	0/0	4/4	4/4	3/4			
Aluminum hydroxide	Al(OH) <sub>3</sub>	021645-51-2		Xi		1/1	1/2	1/1	1/1	1/2	1/1	1/2	2/2	2/2	1/2	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected
Aluminum nitrate	Al(NO <sub>3</sub> ) <sub>3</sub>	013473-90-0	aqueous	(O)		1/1	1/0	1/4	1/0	(2)	1/0	3/4	1/1	1/0	1/0	1/0	1/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/0	0/0	4/4	1/0	1/0	
Aluminum oxide, alpha-	Al <sub>2</sub> O <sub>3</sub>	001344-28-1	solid	—		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected
Aluminum potassium sulfate	KAl(SO <sub>4</sub> ) <sub>2</sub> x 12H <sub>2</sub> O	010043-67-1	diluted	Xi		1/1	1/1	1/0	1/0	(2)	0/0	3/4	1/1	1/1	1/0	1/3	1/3	1/1	1/1	1/1	1/1	1/1	1/0	3/3	0/0	1/0	1/1	1/1		
Aluminum potassium sulfate	KAl(SO <sub>4</sub> ) <sub>2</sub> x 12H <sub>2</sub> O	010043-67-1	saturated	Xi		1/1	1/1	1/0	1/0	(2)	0/0	3/4	1/1	1/0	1/0	1/3	1/3	0/0	1/1	1/1	1/1	1/1	1/0	3/3	0/0	1/0	(1)	(1)		
Aluminum sodium sulfate	NaAl(SO <sub>4</sub> ) <sub>2</sub>	010102-71-3		?		1/1	1/1	(3)	(2)	(1)	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	(1)	(2)	0/0	1/3	(1)	(1)	
Aluminum sulfate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	010043-01-3	10 %	?		1/1	1/1	1/0	1/0	(2)	1/1	3/4	1/1	1/0	1/0	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/0	1/2	1/1	
Aluminum sulfate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	010043-01-3	saturated	Xn		1/1	1/1	3/4	1/0	0/0	1/1	3/4	1/1	0/0	0/0	1/1	0/0	1/1	0/0	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/0	2/2	1/2	
Aminic acid	-> see: Formic acid																													
Aminoacetic acid	-> see: Glycine																													
Aminoethanol	C <sub>2</sub> H <sub>7</sub> NO	000141-43-5		Xn/Xi		0/0	0/0	(3)	(3)	0/0	0/0	(3)	1/2	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	3/0	4/4	4/4	0/0	(1)	(1)	(1)	
Aminopropanoic acid, alpha	-> see: Alanine, L-																													
Ammonium acetate	C <sub>2</sub> H <sub>7</sub> NO <sub>2</sub>	000631-61-8	saturated	Xi		1/1	1/1	1/0	1/1	(2)	1/1	(1)	1/1	1/1	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/1	1/0	(3)	2/2	0/0</				

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	thermoplastics													fluoroplastics				elastomers				metals				COMMENT
					FLAMMABLE	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FPM	NBR	SI	AL	V2A	V4A	
Ammonium chloride	(NH <sub>4</sub> )Cl	012125-02-9	aqueous	Xn		1/1	1/1	1/0	1/0	2/1	2/3	1/1	1/1	1/0	1/3	1/3	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	3/4	1/3L	1/2L	sal ammoniac		
Ammonium difluoride	F <sub>2</sub> H <sub>3</sub> N	001341-49-7	50 %	T, C		1/1	1/1	2/0	(4)	0/0	0/0	(4)	1/1	0/0	0/0	1/3	0/0	0/0	0/0	1/1	1/1	1/1	1/0	(3)	2/3	0/0	(3)	1/0	1/0	
Ammonium ferric sulfate	(NH <sub>4</sub> )Fe(SO <sub>4</sub> ) <sub>2</sub>	007783-83-7	saturated	Xi		1/1	1/1	1/0	(2)	(2)	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	1/0	(2)	(1)	0/0	(4)	0/0	0/0		
Ammonium ferrous sulfate	(NH <sub>4</sub> ) <sub>2</sub> Fe(SO <sub>4</sub> ) <sub>2</sub>	007783-85-9		Xi		1/1	1/1	(2)	(2)	0/0	(3)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	1/0	(1)	(1)	0/0	4/4	(1)	(1)		
Ammonium fluoride	(NH <sub>4</sub> )F	012125-01-8	saturated	T, C		1/1	1/1	1/0	4/4	(2)	1/0	(2)	1/1	0/0	0/0	1/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	2/3	1/1	0/0	(4)	(1)	(1)	
Ammonium fluoride	(NH <sub>4</sub> )F	012125-01-8	aqueous	T, C		1/1	1/1	1/0	(3)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	2/3	1/1	0/0	(4)	1/3	1/3		
Ammonium glycolate	C <sub>2</sub> H <sub>7</sub> NO <sub>3</sub>	035249-89-9	(Xi)			1/1	1/2	(1)	2/3	(2)	1/2	1/2	1/1	2/2	1/1	0/0	0/0	1/1	1/1	1/1	(1)	1/0	(3)	(1)	0/0	(2)	(2)	Acetic acid		
Ammonium heptamolybdate	(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub>	012054-85-2		Xi		1/1	1/1	(1)	(2)	(2)	0/0	(1)	1/1	0/0	0/0	1/1	0/0	1/1	1/1	(1)	1/0	(3)	(1)	0/0				(1)	(1)	
Ammonium hydroxide	NH <sub>3</sub> + H <sub>2</sub> O	001336-21-6	30 %	C, N		1/1	1/2	(3)	4/4	2/4	1/2	1/2	1/2	2/3	2/3	1/2	0/0	0/0	1/1	1/1	1/1	(2)	1/0	(3)	2/3	0/0	1/1	1/1	1/1	
Ammonium hydroxide	NH <sub>3</sub> + H <sub>2</sub> O	001336-21-6	5 %	X		1/1	1/1	(2)	3/4	(2)	1/1	1/2	1/1	1/3	2/2	1/1	0/0	0/0	1/1	1/1	1/1	(2)	1/0	(2)	2/3	0/0	1/1	1/1	1/1	
Ammonium hydroxide	NH <sub>3</sub> + H <sub>2</sub> O	001336-21-6		C/Xi, N		1/1	1/1	(3)	4/4	2/4	1/1	1/2	1/1	2/3	2/3	1/2	1/3	2/2	1/1	1/1	1/1	1/3	1/0	(3)	4/4	0/0	1/1	1/1	1/1	
Ammonium mercaptan	-> see: Ammonium bisulfide																													
Ammonium nitrate	(NH <sub>4</sub> )NO <sub>3</sub>	006484-52-2	10 %	O		1/3	0/0	1/0	(1)	(2)	0/0	2/4	1/1	1/1	1/0	1/3	0/0	0/0	1/1	1/1	1/1	1/1	1/0	2/2	1/1	0/0	1/1	1/1	1/1	Nitric acid; Ammonium salt
Ammonium nitrate	(NH <sub>4</sub> )NO <sub>3</sub>	006484-52-2	saturated	O		1/3	1/1	1/0	1/0	(2)	1/1	2/4	1/1	1/0	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/0	2/2	1/1	0/0	(2)	1/1	1/1	
Ammonium nitrite	(NH <sub>4</sub> )NO <sub>2</sub>	013446-48-5	aqueous	O, Xn		(1)	(1)	(2)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	(3)	1/0	0/0	(2)	(1)	(1)		
Ammonium oxalate	C <sub>2</sub> H <sub>8</sub> N <sub>2</sub> O <sub>4</sub>	014258-49-2		Xn		1/1	1/2	(1)	1/1	(2)	1/2	1/2	1/1	1/1	1/1	0/0	0/0	1/1	1/1	1/1	(1)	1/0	(3)	(1)	0/0	1/1	1/1	1/1		
Ammonium persulfate	(NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	007727-54-0	saturated	O, Xn		0/0	0/0	4/4	(2)	0/0	0/0	(2)	1/1	0/0	0/0	1/0	0/0	0/0	1/1	1/1	1/1	1/0	(3)	4/4	0/0	4/4	(4)	3/4		
Ammonium persulfate	(NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	007727-54-0	aqueous	O, Xn		0/0	0/0	4/4	(2)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	(3)	4/4	0/0	4/4	(4)	3/4		
Ammonium phosphate, Mono-	(NH <sub>4</sub> )H <sub>2</sub> PO <sub>4</sub>	007722-76-1	each	Xi		1/1	1/1	1/0	(2)	(2)	1/0	(2)	1/1	1/1	1/0	1/1	1/0	0/0	1/1	1/1	1/1	1/1	1/0	3/0	1/1	0/0	4/4	(1)	(1)	
Ammonium polyphosphate (APP)	(NH <sub>4</sub> PO <sub>3</sub> ) <sub>n</sub>	068333-79-9		Xi		1/1	1/1	(1)	(2)	(2)	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	1/0	(3)	1/1	0/0	(3)	(1)	(1)	
Ammonium rhodanide	-> see: Ammonium thiocyanate																													
Ammonium salt	-> see: Ammonium nitrate																													
Ammonium sulfate	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	007783-20-2	10 %	Xn		1/1	1/1	1/0	1/1	(2)	(1)	1/0	1/1	1/1	1/0	1/3	0/0	0/0	1/1	1/1	1/1	1/1	1/0	2/3	1/1	0/0	1/1	1/1	1/1	
Ammonium sulfate	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	007783-20-2	saturated	Xn		1/1	1/1	1/0	1/1	(2)	1/1	2/0	1/1	1/0	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/0	2/3	1/1	0/0	1/1	1/1	1/2	
Ammonium sulfide	(NH <sub>4</sub> ) <sub>2</sub> S	012135-76-1	each	T, C	X	1/1	1/1	1/0	4/4	0/0	1/1	(2)	1/1	0/0	0/0	1/3	1/0	0/0	0/0	1/1	1/1	1/1	1/0	(3)	1/2	0/0	1/1	(1)	Diammonium sulfide;	
Ammonium sulfide	(NH <sub>4</sub> ) <sub>2</sub> S	012135-76-1	aqueous	T, C	X	1/1	1/1	1/0	(3)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	(3)	3/3	0/0	1/1	(1)	(1)		
Ammonium sulfocyanide	-> see: Ammonium thiocyanate																													
Ammonium thiocyanate	CH <sub>4</sub> N <sub>2</sub> S	001762-95-4		Xn		1/1	1/1	(3)	1/0	(2)	1/1	1/0	1/1	1/3	0/0	1/0	0/0	1/1	1/1	1/1	1/1	(1)	1/0	(3)	1/0	0/0	(2)	(1)	Ammonium sulfocyanide; Ammonium rhodanide; Thiocyanic acid,	
Amomum	—	—		?		0/0	0/0	(2)	(2)	(2)	0/0	(2)	(2)	4/4	0/0	0/0	0/0	1/1	0/0	(1)	(1)	(1)	(2)	(1)	(2)	0/0	(1)	(1)	(1)	
Amyl acetate, normal	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	000628-63-7		—	X	1/2	2/3	2/0	4/4	1/3	2/3	(1)	3/4	4/4	4/4	4/4	4/4	4/4	1/1	1/1	1/1	1/1	1/3	3/4	4/4	4/4	0/0	1/1	1/1	1/1
Amyl alcohol, n-	-> see: Pentanol, 1-																													
Amyl chloride	C <sub>5</sub> H <sub>11</sub> Cl	000543-59-9		F, Xn	X	3/4	4/4	1/0	4/4	0/0	4/4	(2)	4/4	4/4	4/4	4/4	4/4	0/0	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	3/4	3/4L	3/4L	
Amyl cinnamic aldehyde	C <sub>12</sub> H <sub>16</sub> O	000122-40-7		Xi		0/0	0/0	0/0	(4)	0/0	(4)	(3)	(3)	0/0	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(4)	(3)	(4)	0/0	(1)	(1)	(1)	odoriferous substance
Aniline	C <sub>6</sub> H <sub>7</sub> N	000062-53-3		T		1/2	1/3	3/4	4/4	0/0	2/3	1/3	2/3	4/4	4/4	4/4	4/4	0/4	2/4	1/1	1/1	1/4	4/4	2/4	4/4	0/0	1/0	1/0	1/0	
Aniline hydrochloride	C <sub>6</sub> H <sub>7</sub> ClN	000142-04-1	saturated	T		1/3	0/0	(3)	(3)	0/0	0/0	(3)	1/3	0/0	0/0	1/0	0/0	0/0	1/1	1/1	1/1	1/1	3/0	2/2	3/3	0/0	4/4	4/4	4/4	
Anise	—	—		?		0/0	0/0	(2)	(2)	(2)	0/0	(2)	(2)	0/0	0/0	0/0	0/0	1/1	0/0	1/1	(1)	(1)	(2)	(2)	(2)	0/0	(1)	(1)	(1)	
Anise oil	—	084775-42-8		Xi		0/0	0/0	(3)	(3)	0/0	(4)	(2)	(3)	0/0	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(3)	4/4	(3)	4/4	0/0	(1)	(1)	(1)	
Anisole	C <sub>7</sub> H <sub>8</sub> O	000100-66-3	100 %	Xi	X	1/4	3/4	1/0	4/4	0/0	2/3	(2)	3/3	4/4	0/0	0/0	0/0	0/0	1/1	1/1	(3)	4/4	4/4	4/4	0/0	1/0	(1)	(1)		
Antifreeze agent (car)	—	—		Xn		1/1	1/1	3/3	(1)	1/0	0/0	1/1	1/1	1/1	0/0	0/0	0/0	0/0	(1)	1/0	1/1	1/0	1/2	1/1	0/0	(1)	1/1	1/1	glycol-water-mixture	
Antimony pentachloride	SbCl <sub>5</sub>	007647-18-9		C		0/0	0/0	4/4	(3)	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(2)	(2)	(2)	4/4	0/0	(3)	(4)	(4)	
Antimony trichloride	SbCl <sub>3</sub>	010025-91-9	90 %	C		1/1	1/1	4/4	1/0	0/0	0/0	4/4	1/1	0/0	0/0	1/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	3/0	0/0	4/4	4/4	4/4		
Antimony trichloride	SbCl <sub>3</sub>	010025-91-9	anhydrous	C		0/0	0/0	4/4	1/0	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	1/0	1/0	1/0	0/0	1/1	4/4	4/4	
Antimony trichloride	SbCl <sub>3</sub>	010025-91-9	aqueous	C		0/0	0/0	4/4	(3)	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	3/0	0/0	4/4	4/4	4/4		
Apple juice	—	—		—		1/1	1/1	(1)	1/0	1/0	(2)	1/1	1/0	0/0	0/0	1/1	1/0	0/0	0/0	1/1	1/1	1/1	(1)	(1)	(1)	0/0	(2)	(1)	(1)	
Arsenic acid	H <sub>3</sub> AsO <sub>4</sub>	022538-92-7	aqueous	T, N																										

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroplastics			elastomers			metals			COMMENT			
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FPM	NBR	SI	AL		V2A	V4A	
Barium chloride	BaCl <sub>2</sub>	010361-37-2	saturated	T		1/1	1/1	1/0	1/0	1/0	1/1	(2)	1/1	1/1	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	0/0	1/1	1/2L	1/1L	
Barium chloride	BaCl <sub>2</sub>	010361-37-2	aqueous	T		1/1	1/1	1/0	1/0	1/0	(2)	1/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/2L	1/1L	
Barium dibromide	BaBr <sub>2</sub>	010553-31-8		Xn		1/1	1/1	(2)	(2)	1/0	0/0	(2)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	1/0	(1)	1/1	0/0	(2)	(2L)	(2L)		
Barium hydroxide	Ba(OH) <sub>2</sub>	012230-71-6	saturated	Xn		1/1	1/1	1/0	(3)	0/0	1/1	(2)	1/1	0/0	0/0	1/3	1/0	0/0	0/0	1/1	1/1	1/3	1/0	1/1	1/1	0/0	(3)	1/1	1/1		
Barium hydroxide	Ba(OH) <sub>2</sub>	012230-71-6	aqueous	Xn		1/1	1/1	1/0	(3)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/3	1/0	1/1	1/1	0/0	(3)	1/1	1/1		
Barium sulfide	BaS	021109-95-5	saturated	(T)		1/1	1/1	1/0	(2)	(2)	1/1	(2)	1/1	0/0	1/0	1/0	1/0	0/0	0/0	1/1	1/1	(2)	1/0	1/0	1/1	0/0	(3)	(1)	(1)		
Battery acid	H <sub>2</sub> SO <sub>4</sub>	007664-93-9	38 %	C		1/1	1/1	4/4	1/1	(4)	1/1	4/4	1/1	1/1	1/1	1/3	3/4	0/0	(1)	1/1	1/1	1/1	1/0	1/1	4/4	0/0	3/4	2/3	2/3	Sulfuric acid;	
Beef tallow	—	061789-97-7		—		0/0	0/0	1/0	1/0	(1)	0/0	1/0	1/1	1/1	0/0	0/0	0/0	0/0	(1)	1/1	1/1	4/4	1/1	1/1	0/0	(1)	1/1	1/1			
Beef tallow emulsion	—	—	sulfonated	(—)		1/0	0/0	(2)	(2)	0/0	0/0	0/0	1/0	0/0	0/0	1/0	0/0	1/1	0/0	(1)	1/1	1/1	4/4	(2)	(2)	0/0	(2)	(1)	(1)		
Beer	—	—		—		1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/0	0/0	1/1	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/1	1/1			
Beeswax	—	008012-89-3		—		1/1	1/1	1/1	(1)	1/0	0/0	1/1	1/3	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(3)	(1)	(2)	0/0	1/1	(1)	(1)		
Benzaldehyde	C <sub>7</sub> H <sub>6</sub> O	000100-52-7		Xn		1/3	3/3	3/0	4/4	4/4	1/2	1/0	1/4	4/4	3/3	4/4	4/4	1/4	1/3	1/1	1/1	1/1	3/4	4/4	4/4	0/0	1/1	1/1	1/1	artificial almond oil	
Benzene	C <sub>6</sub> H <sub>6</sub>	000071-43-2		F, T	X	3/4	3/4	2/0	4/4	4/4	2/3	1/2	3/4	4/4	4/4	4/4	0/0	0/4	1/2	1/1	1/1	1/3	4/4	3/3	4/4	0/0	1/1	1/1	1/1	Cyclohexatriene; Benzol	
Benzene chloride	—	—		—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Benzenesulfonic acid	C <sub>6</sub> H <sub>6</sub> SO <sub>3</sub>	000098-11-3	saturated	C		1/1	1/1	(4)	(3)	(4)	0/0	(4)	2/4	0/0	1/0	2/0	0/0	0/0	0/0	1/1	1/1	1/4	4/4	1/0	4/4	0/0	3/4	0/0	1/0		
Benzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	000065-85-0	saturated	Xn, Xi		1/1	1/1	3/4	4/4	1/0	1/2	2/4	1/3	2/2	3/3	1/2	1/0	1/1	1/1	1/1	1/1	1/1	3/0	1/1	3/0	0/0	1/2	1/1	1/1		
Benzoic acid	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	000065-85-0	aqueous	Xn, Xi		1/1	1/1	3/4	4/4	1/0	0/0	2/4	1/3	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	3/0	1/1	3/0	0/0	1/2	1/1	1/1		
Benzoic acid chloride	—	—		—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Benzoyl chloride	C <sub>7</sub> H <sub>5</sub> ClO	000098-88-4	100 %	C		0/0	3/3	4/4	(4)	0/0	(4)	(3)	3/4	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/0	(3)	4/4	0/0	1/0	(2L)	(2L)	Benzenecarbonyl chloride; Benzoic acid chloride	
Benzyl acetate	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	000140-11-4		Xn/Xi		1/1	1/2	(2)	3/4	0/0	1/2	(2)	1/2	4/4	4/4	4/4	0/0	4/4	1/2	1/1	1/0	(3)	(3)	1/0	4/4	0/0	1/1	1/1	1/1		
Benzyl alcohol	C <sub>7</sub> H <sub>8</sub> O	000100-51-6		Xn		3/4	4/4	4/4	4/4	0/0	4/4	1/0	4/4	4/4	4/4	2/3	0/0	4/4	1/1	1/1	1/1	1/1	3/0	1/0	4/4	0/0	1/1	1/1	1/1		
Benzyl benzoate	C <sub>14</sub> H <sub>12</sub> O <sub>2</sub>	000120-51-4		Xn		0/0	0/0	(2)	(3)	0/0	(3)	(2)	(3)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	4/4	(3)	4/4	0/0	(1)	(1)	(1)		
Benzyl chloride	C <sub>7</sub> H <sub>7</sub> Cl	000100-44-7	100 %	T/Xi		0/0	4/4	1/0	4/4	0/0	4/4	(2)	4/4	4/4	4/4	4/4	0/0	0/0	(1)	1/0	(3)	4/4	1/0	4/4	0/0	4/4	1/1L	1/1L			
Benzyl ether	C <sub>8</sub> H <sub>10</sub> O	000103-50-4		Xi		0/0	0/0	(2)	(3)	0/0	0/0	(1)	(3)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	2/0	4/4	4/4	0/0	(1)	(1)	(1)			
Bismuth chloride	BiCl <sub>3</sub>	007787-60-2		Xi		1/1	1/1	(3)	(2)	(2)	0/0	(4)	1/1	0/0	0/0	0/0	0/0	1/1	0/0	(1)	1/1	(2)	1/0	(1)	(1)	0/0	(4)	0/0	0/0		
Bismuth nitrate, basic	Bi <sub>2</sub> O(HO) <sub>3</sub> (NO <sub>3</sub> ) <sub>4</sub>	001304-85-4		O, Xi		1/1	1/1	(3)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	1/1	0/0	(1)	1/1	(2)	1/0	(1)	(1)	0/0	(3)	0/0	0/0		
Bisulfite solution	NaHSO <sub>3</sub>	??		Xn		1/1	1/1	(3)	(3)	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	3/0	0/0	(3)	1/1	1/1			
Bisulfite solution, containing SO <sub>2</sub>	NaHSO <sub>3</sub>	??	saturated	Xn		1/1	1/1	(3)	(3)	0/0	0/0	4/4	1/1	0/0	0/0	1/3	0/0	0/0	0/0	(1)	1/1	1/1	(3)	1/1	4/4	0/0	(3)	1/1	1/1		
Bitter almond oil	C <sub>7</sub> H <sub>6</sub> O	090320-35-7		Xn		1/3	3/3	3/0	4/4	4/4	1/2	1/0	1/4	4/4	3/3	4/4	4/4	1/4	1/3	1/1	1/1	1/1	3/4	4/4	4/4	0/0	1/1	1/1	1/1	mainly: benzaldehyde	
Bitumen	—	008052-42-4		—		0/0	0/0	1/0	(2)	(2)	0/0	2/0	1/3	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	1/0	(3)	0/0	1/1	(1)	(1)			
Bone oil	—	008001-85-2		—		0/0	0/0	(1)	(2)	1/0	0/0	(2)	1/1	1/1	0/0	0/0	0/0	1/1	0/0	(1)	1/1	(1)	4/4	1/0	1/0	0/0	(1)	1/1	1/1		
Boric acid	H <sub>3</sub> BO <sub>3</sub>	010043-35-3	10 %	Xi		1/1	1/1	1/0	1/1	1/0	1/1	2/3	1/1	1/2	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/2	1/1	1/1		
Boric acid	H <sub>3</sub> BO <sub>3</sub>	010043-35-3	aqueous	Xi		1/1	1/1	3/3	1/1	1/0	0/0	2/3	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/2	1/1	1/1		
Brake fluid	—	—		?		1/0	1/0	1/0	4/4	0/0	1/1	(3)	1/1	3/0	0/0	1/0	3/0	4/4	0/0	(1)	1/0	(3)	1/0	4/4	4/4	0/0	(1)	(1)	(1)		
Bromic acid	HBrO <sub>3</sub>	007789-31-3	concentrated	C		0/0	0/0	(4)	(4)	(4)	0/0	4/4	3/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	(4)	(2)	4/4	0/0	(4)	(4)	(4)			
Bromine	Br <sub>2</sub>	007726-95-6		T+, C		4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	2/4	4/4	4/4	1/2	1/1	1/3	1/1	4/4	(2-3)	4/4	0/0	(4)	4/4	4/4		
Bromine pentafluoride	BrF <sub>5</sub>	007789-30-2		F, T, C		0/0	0/0	4/4	(4)	(4)	(4)	4/4	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(2)	(3)	4/4	4/4	4/4	0/0	(3)	(4)	(4)			
Bromine steams	Br <sub>2</sub>	007726-95-6		T		(4)	(4)	4/4	(3)	4/4	(4)	4/4	4/4	0/0	0/0	0/0	0/0	0/0	(1)	1/0	(1)	4/4	(2-3)	4/4	0/0	(3)	(4)	(4)			
Bromine trifluoride	BrF <sub>3</sub>	007787-71-5		T, C		0/0	0/0	4/4	(4)	4/4	(4)	4/4	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(2)	(3)	4/4	4/4	4/4	0/0	(3)	(4)	(4)			
Bromine water	Br <sub>2</sub> +H <sub>2</sub> O	007726-95-6	saturated	T		4/4	4/4	4/4	(4)	4/4	4/4	4/4	4/4	4/4	0/0	3/4	0/0	0/0	0/0	1/1	1/1	4/4	(2-3)	4/4	0/0	(4)	4/4	4/4			
Bromobenzene	C <sub>6</sub> H <sub>5</sub> Br	000108-86-1		Xn	X	3/4	4/4	1/0	4/4	(2)	4/4	1/0	4/4	4/4	4/4	4/4	0/0	2/4	1/1	1/0	1/1	4/4	3/0	4/4	0/0	1/1	(1)	(1)			
Bromochloromethane	CH <sub>2</sub> BrCl	000074-97-5	100 %	Xn		(4)	(4)	4/4	4/4	1/0	(4)	(3)	4/4	4/4	0/0	4/4	4/4	4/4	0/0	(1)	1/0	(3)	4/4	3/0	4/4	0/0	(3)	0/0	0/0		
Bromotrifluoromethane	CBBrF <sub>3</sub>	000075-63-8		N		0/0	0/0	1/0	(3)	0/0	0/0	1/0	(3)	0/0	0/0	0/0	0/0	0/0	(1)	0/0	1/0	3/0	1/0	0/0	(3)	0/0	0/0				
Butadiene, 1,3-	C <sub>4</sub> H <sub>6</sub>	000106-99-0		F																											

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroplastics				elastomers				metals		COMMENT					
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	PEP	PTFE	PVDF	EPDM	FPM	NBR	SI	AL	V2A		V4A				
Butyl alcohol, normal	C <sub>4</sub> H <sub>10</sub> O	000071-36-3	techn. pure	Xn	X	1/1	1/3	1/0	2/3	1/0	1/2	1/2	1/2	1/2	2/3	2/3	4/4	1/3	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	Propyl carbinol; Butanol
Butyl alcohol, sec-	C <sub>4</sub> H <sub>10</sub> O	000078-92-2		Xn	X	1/1	1/2	(1)	2/3	1/0	1/2	(1)	1/2	2/2	2/3	2/2	0/0	0/0	1/1	1/1	1/1	1/1	1/1	3/0	(1)	(2)	0/0	1/1	(1)	(1)	(1)	Butanol, -2; Methyl ethyl carbinol; Butylene hydrate		
Butyl alcohol, tert-	C <sub>4</sub> H <sub>10</sub> O	000075-65-0		F, Xn	X	1/1	1/2	(1)	2/3	1/0	1/2	(1)	1/2	1/1	2/3	1/2	0/0	0/0	1/1	1/1	1/1	1/1	1/1	3/0	(1)	(2)	0/0	1/1	(1)	(1)				
Butyl aldehyde	-> see: Butyraldehyde																																	
Butyl carbinol, n-	-> see: Pentanol, 1-																																	
Butyl ether, (Di-) n-	C <sub>8</sub> H <sub>18</sub> O	000142-96-1	techn. pure	Xi	X	3/4	1/4	(2)	(3)	1/0	(4)	(1)	3/4	0/0	3/0	4/4	0/0	0/0	0/0	(1)	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	Butoxybutane, 1-		
Butyl ethylene	-> see: Hexene, 1-																																	
Butyl stearate	C <sub>22</sub> H <sub>44</sub> O <sub>2</sub>	000123-95-5	100 %	Xi		0/0	0/0	(1)	(3)	1/0	0/0	(2)	(2)	0/0	0/0	1/0	1/0	0/0	0/0	(1)	(1)	(1)	(1)	4/4	1/0	4/4	0/0	(1)	1/1	1/1				
Butylamine	C <sub>4</sub> H <sub>11</sub> N	000109-73-9		F, C	X	0/0	0/0	0/0	(3)	0/0	0/0	3/4	2/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	4/4	4/4	0/0	(1)	(1)	(1)					
Butylene glycol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	—	techn. pure	—		1/1	1/1	1/0	1/0	1/0	0/0	1/0	1/1	0/0	0/0	1/3	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	4/4	(1)	0/0	1/1	(1)	(1)	isomer not indicated in the source			
Butylene hydrate	-> see: Butyl alcohol, sec-																																	
Butylphenol	C <sub>10</sub> H <sub>14</sub> O	—	100 %	Xi		0/0	1/1	(3)	(3)	0/0	(3)	(4)	1/1	0/0	0/0	3/4	4/4	0/0	0/0	(1)	1/1	1/1	1/1	4/4	3/0	4/4	0/0	1/1	1/1	1/1	isomer not indicated in the source			
Butylphenol, p-tert	C <sub>11</sub> H <sub>16</sub> O	000098-54-4	techn. pure	C, Xn		3/0	0/0	(3)	(3)	0/0	(3)	(4)	1/0	0/0	0/0	3/0	0/0	0/0	0/0	(1)	1/0	1/1	4/4	3/0	4/4	0/0	1/1	1/1	1/1					
Butyraldehyde	C <sub>4</sub> H <sub>8</sub> O	000123-72-8		F, Xn	X	0/0	0/0	(3)	(3)	0/0	(4)	(2)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	(3)	3/0	4/4	4/4	0/0	(1)	(1)	(1)			Butanal; Butyl aldehyde		
Butyric acid	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	000107-92-6		C		3/4	4/4	3/3	4/4	0/0	4/4	4/4	4/4	4/4	2/2	2/4	4/4	4/4	1/1	1/1	1/1	1/1	1/1	4/4	3/4	4/4	0/0	1/2	1/2	1/1				
Cadmium bromide	CdBr	007789-42-6		T		1/1	1/1	(3)	(2)	0/0	(3)	(1)	1/1	0/0	0/0	0/0	1/1	0/0	1/1	1/1	(1)	(2)	(2)	(2)	0/0	4/4	0/0	0/0						
Calcium bicarbonate	Ca(HCO <sub>3</sub> ) <sub>2</sub>	—	saturated	—		1/1	1/1	1/1	(1)	(1)	0/0	1/1	1/1	0/0	0/0	1/0	1/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	(1)	0/0	(2)	(1)	(1)					
Calcium bisulfite	Ca(HSO <sub>3</sub> ) <sub>2</sub>	013780-03-5	saturated	Xn		1/1	1/1	(3)	(2)	0/0	0/0	4/4	1/1	0/0	0/0	1/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	4/4	1/0	3/3	0/0	(3)	1/1	1/3				
Calcium bisulfite	Ca(HSO <sub>3</sub> ) <sub>2</sub>	013780-03-5	aqueous	Xn		1/1	1/1	(3)	(2)	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	4/4	1/0	3/3	0/0	(3)	1/1	1/3				
Calcium bromide	CaBr <sub>2</sub>	007789-41-5		?		1/1	1/1	(2)	(1)	(2)	0/0	(3)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(1)	0/0	(3)	0/0	0/0								
Calcium carbide	CaC <sub>2</sub>	000075-20-7		F	X	1/1	1/1	(2)	(2)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(1)	(2)	(2)	(2)	0/0	(3)	(1)	(1)			carbide, reacts with water to acetylene - highly flammable!		
Calcium carbonate	CaCO <sub>3</sub>	000471-34-1	saturated	—		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected		
Calcium chlorate	Ca(ClO <sub>3</sub> ) <sub>2</sub>	010137-74-3	saturated	O, (T)		0/0	0/0	(3)	(2)	0/0	1/1	(3)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	(1)	1/1	(2)	(1)	(3)	0/0	1/1	(1)	1/0					
Calcium chloride	CaCl <sub>2</sub>	010043-52-4	alkoholic	F, Xi		1/0	0/0	4/4	(2)	0/0	1/0	(3)	1/1	0/0	0/0	0/0	4/4	0/0	0/0	1/1	1/0	(1)	(2)	(2)	(2)	0/0	(3)	1/2L	1/2L					
Calcium chloride	CaCl <sub>2</sub>	010043-52-4	aqueous	Xi		1/1	1/1	1/0	1/0	1/1	(3)	1/1	1/1	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	3/3	1/2L	1/2L					
Calcium hydroxyde	CaH <sub>2</sub> O <sub>2</sub>	001305-62-0	aqueous	(Xi)		1/1	1/1	1/0	4/4	1/0	1/1	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	0/0	3/4	1/1	1/1						
Calcium hydroxyde	CaH <sub>2</sub> O <sub>2</sub>	001305-62-0	concentrated	C		1/1	1/1	1/0	4/4	1/0	1/1	1/1	1/1	2/2	2/2	1/1	1/0	0/0	1/1	1/1	1/1	1/3	1/0	1/1	1/0	0/0	3/4	1/1	1/1					
Calcium hypochlorite	Ca(OCl) <sub>2</sub>	007778-54-3	saturated	O, C		1/1	1/1	1/4	3/4	3/0	1/2	1/0	1/1	2/3	1/1	2/3	3/0	1/1	1/1	1/1	1/1	1/3	(2)	2/3	4/4	0/0	4/4	3/0	2/0			bleaching powder		
Calcium hypochlorite	Ca(OCl) <sub>2</sub>	007778-54-3	aqueous	O, C/Xi		0/0	0/0	4/4	1/0	3/0	0/0	1/0	1/1	1/3	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	2/3	4/4	0/0	4/4	3/0	2/0			bleaching powder		
Calcium nitrate	Ca(NO <sub>3</sub> ) <sub>2</sub>	010124-37-5	50 %	O		1/1	1/1	(2)	1/0	(2)	1/1	(3)	1/1	1/1	0/0	1/0	1/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	4/4	0/0	1/0	1/1	1/1					
Calcium nitrate	Ca(NO <sub>3</sub> ) <sub>2</sub>	010124-37-5	aqueous	O		1/1	1/1	(2)	(1)	(2)	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/0	1/1	1/1					
Calcium oxide	CaO	001305-78-8	powder	C		1/0	1/1	(2)	(2)	0/0	0/0	1/1	0/0	1/0	1/0	1/0	1/1	1/1	1/1	(1)	1/0	1/0	1/0	0/0	(3)	1/1	1/1							
Calcium phosphate	Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	007758-87-4	aqueous	—		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected		
Calcium phosphate	Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	007758-87-4		—		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	small solubility - no chemical effect expected		
Calcium sulfate	CaSO <sub>4</sub>	007778-18-9	saturated	—		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/3	1/1	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	plaster		
Calcium sulfide	CaS	020548-54-3	aqueous	C		0/0	0/0	(2)	(2)	0/0	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/0	(1)	(1)					
Calcium sulfide	CaS	020548-54-3		C		0/0	3/3	(2)	(2)	0/0	0/0	(1)	1/1	0/0	0/0	1/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	3/3	0/0	1/0	(1)	(1)					
Calciumacetat	C <sub>4</sub> H <sub>6</sub> CaO <sub>4</sub>	000062-54-4	aqueous	—		1/1	1/1	(2)	(1)	(2)	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	1/0	4/4	3/3	0/0	(2)	(1)	(1)					
Camphor	C <sub>10</sub> H <sub>16</sub> O	000464-48-2 / -49-2		F, Xn	X	3/4	3/4	(2)	(3)	0/0	0/0	(2)	1/0	1/3	0/0	4/4	4/4	1/1	0/0	(1)	1/0	(3)	4/4	3/4	1/0	0/0	(1)	1/0	1/0			from cinnamomum camphora		
Camphor oil	—	008008-51-3		Xn		4/4	4/4	(2)	(3)	0/0	0/0	(2)	4/4	0/0	0/0	4/4	4/4	0/0	0/0	(1)	(2)	(3)	4/4	3/0	1/0	0/0	(1)	(1)	(1)					
Caprylic alcohol	C <sub>8</sub> H <sub>16</sub> O	000111-87-5		Xi		0/0	0/0	(2)	(2)	(1)	0/0	(2)	4/4	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	1/0	1/0	3/3	0/0	(1)	(1)	(1)					
Caraway	—	—	ground	?		0/0	0/0	(2)	(2)	(1)	0/0	1/1	(2)	4/4	0/0	0/0	0/0	1/1	0/0	(1)	(1)	(1)	(2)	(1)	(2)	0/0	4/4	(1)	(1)					
Carbazole	C <sub>12</sub> H <sub>9</sub> N	000086-74-8		Xn		1/1	1/1	(2)	4/4	0/0	1/1	(1)	1/1	1/1	4/4	4/4	0/0	4/4	1/1	1/1	(2)	(2)	(2)	(3)	2/0	0/0	(1)	(1)	(1)					
Carbolineum	—	008001-58-9	aqueous	(Xn)		1/0	1/0																											







CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroplastics			elastomers			metals		COMMENT			
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FPM	NBR	SI		AL	V2A	V4A
Diphenyl ether	C <sub>12</sub> H <sub>10</sub> O	000101-84-8		Xn/Xi		0/0	1/0	3/0	(3)	(4)	0/0	1/1	4/4	4/4	0/0	0/0	4/4	4/4	0/0	(1)	1/0	(2)	4/4	3/0	4/4	0/0	(1)	(1)	(1)	
Diphenylamine	C <sub>12</sub> H <sub>11</sub> N	000122-39-4		T		0/0	0/0	0/0	(3)	0/0	0/0	(2)	(3)	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(3)	(3)	(4)	0/0	(1)	(1)	(1)		
Diphenyl	—	008004-13-5		?		0/0	0/0	1/1	(3)	4/4	0/0	1/1	4/4	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	3/0	4/4	0/0	(1)	(1)	(1)	mixture with diphenyl and diphenyl ether; Bayer	
Dipropyl ketone	C <sub>7</sub> H <sub>14</sub> O	000123-19-3		—	X	0/0	0/0	(3)	(4)	(4)	(4)	1/0	(3)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	(4)	4/4	0/0	(1)	(1)	(1)		
Dipropylene glycol	C <sub>8</sub> H <sub>16</sub> O <sub>3</sub>	025265-71-8		Xi		1/1	1/1	(2)	2/3	0/0	1/1	1/0	1/1	1/1	2/2	2/3	0/0	1/1	1/1	(1)	(2)	4/4	3/0	3/3	0/0	(1)	(1)	(1)		
Dipropylene glycol (mono)methyl ether	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	—		—	X	0/0	0/0	(3)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(3)	(3)	4/4	0/0	(1)	(1)	(1)	isomer not indicated in the source	
Disodium phosphate	Na <sub>2</sub> HPO <sub>4</sub>	007558-79-4		(Xi)		1/1	1/1	1/0	(2)	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	(1)	0/0	(1)	1/1	1/1		
Dispersion of rubber	—	—		?		0/0	0/0	1/0	(2)	(2)	0/0	2/3	1/1	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	(3)	(1)	(2)	0/0	(3)	(1)	(1)	latex	
Dithionous acid, disodium salt	-> see: Sodium hydrosulfite																													
Divinylene oxide	-> see: Furan																													
Dope, viscous -	—	—		(Xn, Xi)		1/1	1/1	4/4	(3)	0/0	0/0	1/1	0/0	0/0	1/1	1/1	0/0	0/0	(1)	1/1	1/1	(3)	(2)	4/4	0/0	(3)	3/4	2/4		
Emulsifiers	—	—		?		0/0	0/0	(2)	0/0	0/0	0/0	0/0	1/1	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	(2)	(2)	(3)	0/0	0/0	K	K		
Emulsions for fotos	—	—		?		1/0	0/0	1/0	(2)	(2)	0/0	1/0	1/1	0/0	0/0	1/0	0/0	0/0	(1)	1/1	1/1	(2)	(2)	(1)	0/0	(2)	0/0	0/0		
Ephetin	—	—	10% in water	?		0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	
Epichlorhydrin	C <sub>3</sub> H <sub>5</sub> ClO	000106-89-8	100 %	F, T	X	1/0	1/0	4/4	(4)	0/0	(4)	1/0	2/2	0/0	0/0	4/4	4/4	0/0	(1)	1/0	(3)	3/0	4/4	4/4	0/0	(3)	0/0	0/0		
Epoxypropane, 1,2-	-> see: Propylene oxid																													
Ethanal	-> see: Acetaldehyde																													
Ethanedioic acid	-> see: Oxalic acid																													
Ethanenitrile	-> see: Acetonitrile																													
Ethanoyl chloride	-> see: Acetyl chloride																													
Ethoxybenzene	C <sub>8</sub> H <sub>10</sub> O	000103-73-1		?		0/0	0/0	(2)	(4)	0/0	(3)	(2)	(3)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	4/4	4/4	0/0	(1)	(1)	(1)	Ethyl phenyl ether; Phenyl ethyl ether; Phenetole	
Ethyl acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	000141-78-6	100 %	F	X	1/3	3/4	1/0	4/4	4/4	4/4	1/1	1/3	4/4	4/4	4/4	4/4	4/4	1/2	1/1	1/1	3/3	3/0	4/4	4/4	0/0	1/1	(1)	(1)	
Ethyl acrylate	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	000140-88-5	100 %	F, Xn	X	4/4	4/4	1/0	(4)	(4)	(4)	(2)	4/4	0/0	0/0	4/4	4/4	0/0	1/1	1/0	3/0	4/4	4/4	4/4	0/0	(1)	(1)	(1)		
Ethyl alcohol	C <sub>2</sub> H <sub>6</sub> O	000064-17-5	40 %	—	X	1/1	1/2	1/0	1/2	1/1	1/2	1/2	1/1	2/3	1/2	1/1	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/1	1/1	1/1	
Ethyl alcohol	C <sub>2</sub> H <sub>6</sub> O	000064-17-5	50 %	—	X	1/1	1/1	1/0	1/1	1/1	1/0	1/2	1/1	1/0	1/0	3/0	0/0	0/0	1/1	1/1	1/1	1/0	(2)	1/1	0/0	1/1	1/1	1/1		
Ethyl alcohol	C <sub>2</sub> H <sub>6</sub> O	000064-17-5	96 %	F	X	1/0	1/3	1/0	1/3	1/1	1/2	1/1	1/1	3/4	1/2	1/3	3/0	1/3	1/1	1/1	1/1	1/1	1/0	3/0	3/3	0/0	1/1	1/1	1/1	
Ethyl aldehyde	-> see: Acetaldehyde																													
Ethyl benzoate	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	000093-89-0		Xn		2/2	3/3	(2)	4/4	0/0	2/3	(2)	2/3	4/4	4/4	4/4	0/0	4/4	1/2	1/1	1/0	(3)	(3)	(3)	4/4	0/0	(1)	(1)	(1)	
Ethyl butyrate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	000105-54-4		F	X	2/3	2/4	(2)	4/4	0/0	3/4	(2)	2/4	4/4	4/4	4/4	0/0	0/0	1/2	1/1	(1)	(2)	(3)	(4)	4/4	0/0	(1)	(1)	(1)	
Ethyl chloride	-> see: Monochloroethane																													
Ethyl chloroacetate	C <sub>4</sub> H <sub>7</sub> ClO <sub>2</sub>	000105-39-5	techn. pure	T/Xi		1/1	1/1	(3)	4/4	(4)	(4)	(3)	1/1	4/4	0/0	3/4	3/4	0/0	0/0	(1)	1/1	1/4	3/0	4/4	4/4	0/0	3/4	0/0	0/0	
Ethyl cyanoacetate	C <sub>5</sub> H <sub>7</sub> NO <sub>2</sub>	000105-56-6		Xn/Xi		1/1	1/1	0/0	3/4	0/0	1/1	(2)	1/1	2/4	3/3	3/4	0/0	0/0	1/1	1/1	(1)	(3)	(2)	(3)	(3)	0/0	(2)	(1)	(1)	
Ethyl formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	000109-94-4		F	X	0/0	0/0	0/0	(4)	0/0	(4)	(2)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	(3)	(4)	4/4	0/0	(1)	(1)	(1)		
Ethyl lactate	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	000097-64-3		—	X	1/1	1/1	(2)	3/4	0/0	1/1	(2)	1/1	3/4	3/3	3/4	0/0	0/0	1/1	1/1	(1)	3/0	(3)	(3)	(3)	0/0	(1)	(1)	(1)	
Ethyl mercaptan	C <sub>2</sub> H <sub>6</sub> S	000075-08-1		F, Xn	X	0/0	0/0	(2)	(3)	0/0	0/0	(2)	2/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	(3)	4/4	0/0	(1)	(1)	(1)		
Ethyl phenyl ether	-> see: Ethoxybenzene																													
Ethyl silicate	C <sub>8</sub> H <sub>20</sub> SiO <sub>4</sub>	000078-10-4		Xn	X	0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	(3)	1/0	0/0	(1)	(1)	(1)		
Ethylbenzene	C <sub>8</sub> H <sub>10</sub>	000100-41-4		F, Xn	X	2/3	3/4	(2)	4/4	0/0	3/4	1/0	3/4	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/0	1/1	4/4	(2)	4/4	0/0	(1)	(1)	(1)	
Ethylene	C <sub>2</sub> H <sub>4</sub>	000074-85-1		F+	X	0/0	0/0	1/0	(2)	0/0	0/0	1/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	1/1	(1)	(2)	(3)	3/0	3/3	0/0	(1)	(1)	(1)	
Ethylene dibromiden (EDB)	C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub>	000106-93-4		T		(4)	(4)	(2)	(4)	(4)	(2)	4/4	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	1/2	4/4	(3)	4/4	0/0	(3)	1/0L	1/0L	Dibromoethane, 1,2-;	
Ethylene glycol	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	000107-21-1		Xn		1/1	1/1	3/3	2/3	1/0	1/1	1/1	1/1	1/1	1/1	1/1	3/3	1/1	1/1	1/1	1/1	1/1	1/0	1/2	1/1	0/0	1/1	1/1	1/1	
Ethylene glycol monobutyl ether	C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>	000111-76-2	100 %	Xn	X	0/0	1/0	1/0	(2)	1/0	0/0	1/0	1/0	0/0	0/0	4/4	4/4	0/0	0/0	1/1	1/0	1/1	3/0	3/4	3/4	0/0	1/1	(1)	(1)	
Ethylene glycol monoethyl ether	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	000110-80-5	100 %	T	X	0/0	4/4	(3)	(2)	0/0	0/0	1/0	2/4	4/4	1/0	4/4	4/4	4/4	0/0	1/1	1/0	1/1	3/0	4/4	4/4	0/0	(1)	(1)	(1)	
Ethylene glycol monoethyl ether acetate	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	000115-15-9		Xn	X	1/1	1/2	0/0	3/4	0/0	1/2	(2)	1/2	4/4	4/4	3/4	0/0	0/0	1/2	1/1	(1)	(2)	2/0	4/4	4/4	0/0	(1)	(1)	(1)	
Ethylene glycol monomethyl ether	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	000109-86-4	100 %	T	X	1/0	1/1	1/0	3/4	0/0	1/1	1/0	1/1	4/4	3/3	3/4	4/4	0/0	1/1	1/1	1/1	1/1	3/0	4/4	4/4	0/0	(1)	(1)	(1)	
Ethylene glycol monomethyl ether oleate	C <sub>23</sub> H <sub>40</sub> O <sub>3</sub>	000111-10-4		?		1/1	1/2	(2)	3/4	(2)	1/2	(2)	1/2	4/4	4/4	4/4	0/0	0/0	1/1	1/1	(1)	(1)	4/4	(2)	4/4	0/0	(1)	(1)	(1)	Kapsolat; Methoxyethyl oleate; Methyl cellosolveoleate; plasticiser
Ethylene oxide	C <sub>2</sub> H <sub>4</sub> O	000075-21-8		F+, T	X	2/3	3/3	3/0	3/4	1/0	3/4	1/0	3/3	4/4	1/1	3/4	0/0	0/0	1/1	1/1	(1)	1/1	4/4	4/4	4/4	0/0	1/1	(1)	(1)	
Ethylenediaminetetraacetic acid (EDTA)	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>	000060-00-4		Xi		1/1	1/1	(2)	(2)	(2)	0/0	1/0	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(1)	(2)	(1)	0/0	(3)	0/0	0/0	
Ethylhexanol-1	C <sub>8</sub> H <sub>18</sub> O	000104-76-7		Xn/Xi		0/0	1/3	(2)	(2)	(1)	1/0	1/0	1/0	3/0	0/0	1/0	4/4	0/0	0/0	(1)	1/1	(1)	1/0	1/0	1/0	0/0	(1)	(1)	(1)	
Ethyne	-> see: Acetylene																													
Eucalyptus oil	—	008000-48-8		?		0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	4/4	0/0	0/0	0/0	3/3	0/0	(1)	(1)	(2)	4/4	(3)	(4)	0/0	(1)	(1)	(1)	
Exhaust gases, alkaline	—	—		?		1/1	0/0	(2)	0/0	0/0	(1)	1/1	0/0	0/0	1/1	0/0	0/0	0/0	0/0	1/1	1/4	1/0	1/0	1/0	0/0	(2)	(1)	(1)		
Exhaust gases, containing carbon dioxide	—	—	small	?		1/1	0/0	(1)	(1)	(1)	(1)	1/1	(1)	1/1	(1)	1/1	(1)	(1)	1											

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroplastics			elastomers			metals		COMMENT			
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FFM	NBR	SI		AL	V2A	V4A
Exhaust gases, containing hydrogen fluoride	—	—	small	?	1/1	0/0	(3)	(3)	0/0	0/0	(4)	1/1	0/0	0/0	1/1	0/0	0/0	(2)	1/1	1/1	1/1	1/0	1/0	1/0	0/0	(4)	(2)	(2)		
Exhaust gases, containing nitrose	—	—	small	?	1/1	0/0	(3)	0/0	0/0	0/0	(4)	1/3	0/0	0/0	1/1	0/0	0/0	(2)	1/1	1/1	1/1	1/0	1/0	(3)	0/0	(2)	(1)	(1)		
Exhaust gases, containing sulfur dioxide	—	—	small	?	1/1	0/0	(2)	0/0	0/0	0/0	(4)	1/1	0/0	0/0	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	3/0	0/0	(4)	1/1	1/1		
Exhaust gases, containing sulfur trioxide	—	—	small	?	1/1	0/0	(4)	0/0	0/0	0/0	(4)	4/4	0/0	0/0	1/1	0/0	0/0	(2)	(2)	1/1	1/1	1/0	1/0	4/4	0/0	(4)	(2)	(1)		
Exhaust gases, containing sulfuric acid	—	—	each	?	1/1	0/0	(4)	0/0	0/0	0/0	(4)	1/3	0/0	0/0	1/1	0/0	0/0	(2)	1/1	1/1	1/1	1/0	1/0	4/4	0/0	(4)	(2)	(1)		
Fat, animal	—	—	—	—	0/0	0/0	1/0	(2)	1/0	0/0	1/1	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	(1)	1/1	1/1		
Fat, mineral	—	—	—	(—)	0/0	0/0	1/0	(2)	(1)	0/0	1/1	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	(4)	(1)	1/0	0/0	(1)	1/1	1/1		
Fat, vegetable	—	—	—	—	0/0	0/0	1/0	(2)	1/0	0/0	1/1	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	(1)	1/1	1/1		
Fats, edible oil	—	—	—	—	0/0	1/0	1/0	1/0	1/0	1/0	1/1	3/0	0/0	1/0	1/0	3/0	0/0	0/0	(1)	1/1	1/1	4/4	1/0	1/1	0/0	(1)	1/1	1/1		
Fatty alcohol sulfonates	—	—	aqueous	(Xn, Xi)	1/1	0/0	1/0	(2)	1/0	0/0	1/1	1/3	0/0	0/0	1/3	0/0	0/0	0/0	(1)	1/1	1/1	(2)	(2)	1/1	0/0	3/4	1/0	1/0	detergents	
Ferric chloride	FeCl <sub>3</sub>	007705-08-0	saturated	Xn	1/1	1/1	3/0	1/0	0/0	1/0	4/4	1/1	1/1	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	(1)	1/1	1/1	0/0	4/4	4/4	4/4		
Ferric nitrate	Fe(NO <sub>3</sub> ) <sub>3</sub>	010421-48-4	aqueous	(O, Xn)	1/1	1/1	(2)	(2)	0/0	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	1/0	0/0	4/4	1/1	1/1	
Ferric nitrate	Fe(NO <sub>3</sub> ) <sub>3</sub>	010421-48-4	saturated	O, Xn	1/1	1/1	1/0	1/0	0/0	1/0	(3)	1/1	1/1	0/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	(1)	(1)	1/0	0/0	4/4	1/1	1/1		
Ferric sulfate	Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	010028-22-5	saturated	Xi	1/1	1/1	(2)	(2)	0/0	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	0/0	4/4	1/1	1/1		
Ferrous chloride	FeCl <sub>2</sub>	007758-94-3	saturated	Xn	1/1	1/1	3/0	1/0	(2)	1/0	(3)	1/1	1/1	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	(1)	1/1	(1)	0/0	4/4	(2)	1/1		
Ferrous sulfate	FeSO <sub>4</sub>	007720-78-7	saturated	(Xn)	1/1	1/1	(2)	1/0	0/0	1/0	(3)	1/1	1/0	0/0	1/1	1/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	4/4	1/1	1/1		
Ferrous sulfate	FeSO <sub>4</sub>	007720-78-7	aqueous	(Xn)	1/1	1/1	(2)	1/0	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	1/0	0/0	4/4	1/1	1/1		
Ferrous sulfate	FeSO <sub>4</sub>	007720-78-7	—	Xn	1/1	1/1	(2)	1/0	(2)	0/0	(3)	1/1	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	1/0	(1)	0/0	4/4	1/1	1/1		
Fire-damp	—	—	—	F+	X	0/0	0/0	1/0	(2)	(1)	0/0	(1)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(1)	4/4	1/0	1/0	0/0	1/1	(1)	mainly methane	
Fixer for fotos	—	—	—	?	?	1/0	1/1	1/0	(2)	0/0	1/0	1/1	0/0	1/0	1/1	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	1/0	0/0	(2)	1/0	1/0		
Fluid 101, 100°C	—	—	—	?	?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	Brake fluid, based on polyglycoles	
Fluorides	—	—	—	T	?	1/1	1/1	(2)	1/1	(2)	1/1	(1)	1/1	2/2	1/1	1/1	0/0	0/0	1/1	1/1	(1)	(1)	(2)	(2)	(1)	0/0	0/0	K	K	
Fluorine	F <sub>2</sub>	007782-41-4	—	O, T+, C+	?	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	1/2	0/0	4/4	1/3	1/2	1/2	4/4	4/4	3/0	4/4	0/0	4/4	(4)	(4)		
Fluorobenzene	C <sub>6</sub> H <sub>5</sub> F	000462-06-6	—	F, (Xn)	X	0/0	0/0	(2)	(4)	0/0	(4)	(2)	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	4/4	3/0	4/4	0/0	(1)	0/0	0/0		
Fluorocarbons	—	—	—	?	?	0/0	0/4	(2)	(3)	(2)	0/0	(2)	(3)	4/4	0/0	0/0	0/0	0/4	1/1	0/0	1/1	(3)	(3)	(3)	(3)	0/0	(1)	0/0	0/0	resistance depends on type
Formaldehyde solution	CH <sub>2</sub> O	000050-00-0	10 %	Xn	1/1	1/1	3/3	1/2	1/0	1/2	1/2	1/1	3/4	2/3	2/3	3/3	1/3	1/1	1/1	1/1	1/1	1/0	3/0	(2)	0/0	1/1	1/1	1/1		
Formaldehyde solution	CH <sub>2</sub> O	000050-00-0	30 %	T	1/1	1/1	3/3	1/2	1/0	0/0	1/2	1/1	4/4	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	3/0	1/0	0/0	1/1	1/1	1/1		
Formaldehyde solution	CH <sub>2</sub> O	000050-00-0	40 %	T	1/2	2/3	1/3	1/2	1/0	1/2	1/2	1/2	4/4	2/3	2/3	3/3	0/4	1/1	1/1	1/1	1/1	1/0	3/0	(3)	0/0	1/1	1/1	1/1		
Formamide	CH <sub>3</sub> NO	000075-12-7	techn. pure	T/Xi	1/1	1/1	1/0	(3)	0/0	0/0	1/0	1/1	1/0	0/0	4/4	4/4	0/0	0/0	1/0	1/1	(3)	3/0	2/3	4/4	0/0	1/1	1/1	1/1		
Formic acid	CH <sub>2</sub> O <sub>2</sub>	000064-18-6	50 %	C	1/1	1/2	4/4	3/3	0/0	1/2	4/4	1/2	3/3	2/2	2/3	0/0	1/3	1/1	1/1	1/1	1/1	3/4	4/4	4/4	0/0	(3)	1/3	1/2	Hydrogen carboxylic acid; Methanoic acid; Aminic acid; Formylic acid	
Formic acid	CH <sub>2</sub> O <sub>2</sub>	000064-18-6	98-100 %	C	1/1	1/2	4/4	3/4	0/0	1/3	4/4	1/3	3/4	3/3	3/4	1/3	3/4	1/1	(1)	1/1	1/1	3/4	4/4	4/4	0/0	1/0	1/3	1/2		
Formic acid	CH <sub>2</sub> O <sub>2</sub>	000064-18-6	3 %	Xi	1/1	1/2	3/4	1/2	1/0	1/2	2/4	1/2	1/2	2/2	2/3	0/0	0/0	1/1	1/1	1/1	1/1	3/0	(3)	4/4	0/0	(3)	1/2	1/1		
Freon 11	-> see: Trichlorofluoromethane																													
Freon 11	-> see: Trichlorofluoromethane																													
Freon 112	-> see: Tetrachlorodifluoroethane																													
Freon 112	-> see: Tetrachlorodifluoroethane																													
Freon 113	-> see: Trichlorotrifluoroethane																													
Freon 113	-> see: Trichlorotrifluoroethane																													
Freon 114	-> see: Dichlorotetrafluoroethane																													
Freon 114	-> see: Dichlorotetrafluoroethane																													
Freon 114 B2	-> see: Dibromotetrafluoroethane																													
Freon 114 B2	-> see: Dibromotetrafluoroethane																													
Freon 115	-> see: Chloropentafluoroethane																													
Freon 115	-> see: Chloropentafluoroethane																													
Freon 12	-> see: Dichlorodifluoromethane																													
Freon 12	-> see: Dichlorodifluoromethane																													
Freon 13	-> see: Chlorotrifluoromethane																													
Freon 13	-> see: Chlorotrifluoromethane																													
Freon 13 B1	-> see: Bromotrifluoromethane																													
Freon 13 B1	-> see: Bromotrifluoromethane																													
Freon 14	-> see: Carbon tetrafluoride																													
Freon 14	-> see: Carbon tetrafluoride																													
Freon 142b	-> see: Chlorodifluoroethane																													
Freon 142b	-> see: Chlorodifluoroethane																													





CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	thermoplastics		fluoroplastics		elastomers		metals		COMMENT				
																			ECTFE / ETFE	PEP	PTFE	PVDF	EPDM	FPM	NBR	SI		AL	V2A	V4A	
Isobutyl acetate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	000110-19-0		F	X	0/0	0/0	(2)	(4)	0/0	(4)	1/0	(3)	4/4	0/0	3/0	4/4	0/0	0/0	(1)	1/0	(2)	2/0	4/4	4/4	0/0	(1)	(1)	(1)	Methylpropyl acetate, 2-; Methylpropyl ethanoate, Beta-	
Isobutyl alcohol	-> see: Isobutanol																														
Isobutyltrimethylmethane	-> see: Trimethylpentane, 2,2,4-																														
ISO-Fluid	—	—	liquid	Xn, N	X	0/0	2/3	(1)	(3)	1/0	(4)	1/0	3/4	4/4	0/0	1/3	0/0	1/3	0/0	(1)	1/1	(1)	4/4	1/1	1/0	0/0	1/1	1/1	1/1		
ISO-Fluid A	—	—	—	(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	1/0	0/0	(1)	(1)	(1)		
ISO-Fluid B	—	—	—	(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	3/0	0/0	(1)	(1)	(1)		
ISO-Fluid C	—	—	—	(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	3/0	0/0	(1)	(1)	(1)		
ISO-Fluid D	—	—	—	(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	4/4	0/0	(1)	(1)	(1)		
Iso-octane	-> see: Trimethylpentane, 2,2,4-																														
Isopropyl acetate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	000108-21-4		F, Xi	X	1/2	2/3	1/0	4/4	(3)	2/3	1/0	2/3	4/4	4/4	4/4	4/4	0/0	1/2	1/1	1/1	(3)	3/0	4/4	4/4	0/0	(1)	(1)	(1)		
Isopropyl alcohol	C <sub>3</sub> H <sub>8</sub> O	000067-63-0	techn. pure	F	X	1/1	1/1	1/0	1/2	1/0	1/2	1/0	1/2	1/2	1/2	1/2	1/4	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	3/3	0/0	(2)	(1)	(1)	
Isopropyl carbinol	-> see: Isobutanol																														
Isopropyl chloride	C <sub>3</sub> H <sub>7</sub> Cl	000075-29-6		F, Xn	X	0/0	0/0	(2)	(4)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	1/0	4/4	0/0	(3)	0/0	0/0		
Jam	—	—	—	—	—	1/1	1/1	(1)	1/1	1/1	0/0	(2)	1/1	1/1	0/0	1/3	0/0	1/1	1/1	1/1	1/1	1/1	(2)	(1)	(1)	0/0	(2)	1/1	1/1		
Juices	—	—	—	—	—	1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/0	0/0	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/0	1/1	1/1	0/0	(2)	1/1	1/1		
Kapsolat	-> see: Ethylene glycol monomethyl ether oleate																														
Kerosene	—	080008-20-6		(Xn)	—	2/2	3/4	(1)	4/4	1/1	2/3	1/1	3/3	4/4	2/3	1/1	0/0	0/0	2/3	1/1	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1	lamp oil	
Kerosene	—	—	techn. pure	Xn, N	X	1/3	3/4	1/0	3/0	(1)	0/0	1/1	1/3	4/4	1/0	1/0	3/0	3/4	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1		
Lactames	—	—	—	?	—	0/0	0/0	0/0	0/0	0/0	0/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	0/0	4/4	4/4	4/4	0/0	(2)	(1)	(1)	cyclic amides		
Lactic acid	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	000050-21-5	3 %	?	—	1/1	1/2	(3)	1/2	1/0	1/2	2/4	1/2	2/2	1/1	2/3	0/0	1/1	1/1	1/1	1/1	1/1	3/4	1/1	(2)	0/0	(1)	1/1	1/1	lactol	
Lactic acid	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	000050-21-5	80 %	C	—	1/1	1/1	3/4	1/2	0/0	1/2	3/4	1/1	1/1	1/1	2/3	2/3	1/1	1/2	1/1	1/1	1/3	3/4	1/1	1/4	0/0	1/0	1/3	1/2	lactol	
Lactic acid	C <sub>3</sub> H <sub>4</sub> O <sub>3</sub>	000050-21-5	85 %	C	—	1/1	1/1	3/4	1/2	0/0	1/2	3/4	1/2	2/2	1/1	2/3	2/3	1/1	1/2	1/1	1/1	1/3	3/4	1/1	1/4	0/0	1/0	1/3	1/2	lactol	
Lactose	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	000063-42-3	aqueous	—	—	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	(1)	1/1	1/1		
Lanolin	—	080006-54-0	techn. pure	—	—	3/3	3/3	1/0	1/0	0/0	(2)	3/3	1/1	0/0	3/3	3/3	1/1	0/0	(1)	1/1	1/1	4/4	1/1	1/1	0/0	(1)	1/1	1/1			
Lard	—	—	—	—	—	0/0	0/0	(2)	(1)	1/0	0/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	2/0	1/0	1/0	0/0	(1)	1/1	1/1			
Latex	—	—	—	?	—	0/0	0/0	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(1)	(3)	(1)	(2)	0/0	(2)	(1)	(1)	dispersion of rubber		
Laurel	—	—	ground	?	—	0/0	0/0	(2)	(2)	0/0	(2)	(2)	1/1	0/0	0/0	1/1	0/0	(1)	(1)	(1)	(2)	(1)	(2)	(1)	(2)	0/0	(1)	(1)	(1)		
Lauryl alcohol	C <sub>12</sub> H <sub>26</sub> O	000112-53-8	100 %	Xi	—	0/0	0/0	(2)	(2)	1/0	0/0	(2)	1/1	1/1	0/0	1/1	0/0	1/1	0/0	(1)	1/1	1/1	3/0	1/0	3/3	0/0	(1)	(1)	(1)		
Lauryl chloride	C <sub>12</sub> H <sub>25</sub> Cl	000112-52-7	100 %	(Xi)	—	0/0	0/0	(2)	(3)	0/0	(2)	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/0	(1)	4/4	(1)	(3)	0/0	(3)	0/0	0/0			
Lavender oil	—	080000-28-0	—	(Xi)	—	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	1/0	3/0	0/0	(1)	(1)	(1)			
Lead acetate	C <sub>4</sub> H <sub>6</sub> PbO <sub>4</sub>	000301-04-2	aqueous	T, N	—	1/1	1/1	3/0	1/0	(2)	1/0	1/0	1/1	1/1	0/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/0	2/2	3/0	0/0	4/4	1/1	1/1	
Lead acetate	C <sub>4</sub> H <sub>6</sub> PbO <sub>4</sub>	000301-04-2	—	T, N	—	1/1	1/1	3/0	1/0	(2)	0/0	1/0	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	2/2	2/2	0/0	4/4	1/1	1/1		
Lead nitrate	Pb(NO <sub>3</sub> ) <sub>2</sub>	010099-74-8	aqueous	O, T, N	—	1/1	1/1	(3)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/0	1/0		
Lead nitrate	Pb(NO <sub>3</sub> ) <sub>2</sub>	010099-74-8	—	O, T, N	—	1/1	1/1	(3)	(2)	(2)	0/0	(2)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/0	1/0		
Lead stearate	C <sub>36</sub> H <sub>70</sub> PbO <sub>4</sub>	001072-35-1	—	?	—	1/1	1/1	(2)	(1)	(1)	0/0	(1)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(2)	(1)	(2)	0/0	(1)	(1)	(1)	small solubility - no chemical effect expected	
Lead sulfate	PbSO <sub>4</sub>	007446-14-2	—	(T, N)	—	1/1	1/1	(2)	(1)	(1)	0/0	(1)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	(2)	0/0	(1)	(1)	(1)	(1)	small solubility - no chemical effect expected	
Lead tetraethyl (TEL)	C <sub>8</sub> H <sub>18</sub> Pb	000078-00-2	techn. pure	T+	X	1/0	1/0	1/4	3/0	(2)	(4)	(2)	2/4	0/0	0/0	1/0	0/0	0/0	0/0	(1)	1/0	1/1	4/4	1/0	3/0	0/0	(2)	(1)	(1)		
Lemon juice	—	—	—	—	—	1/1	1/1	1/0	1/0	(2)	0/0	1/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	(1)	1/0	1/1	0/0	(1)	1/1	1/1		
Lemon oil	—	084929-31-7	—	Xi	(X)	0/0	0/0	(2)	(3)	1/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	3/3	0/0	1/0	(1)	(2)	4/4	(2)	3/3	0/0	1/1	(1)	(1)	mainly limonene	
Lemongrass oil	—	080007-02-1	—	(Xi)	—	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	4/4	0/0	(1)	(1)	(3)	4/4	(3)	(4)	0/0	(1)	(1)	(1)			
Ligroin	—	080032-32-4	—	F, Xn	X	0/0	0/0	(2)	1/0	(2)	(4)	(2)	(3)	3/3	0/0	0/0	1/1	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1	petroleum ether		
Lime chloride	[3 x CaCl(OCl)] + Ca <sub>2</sub> —	—	aqueous	?	—	0/0	0/0	4/4	(2)	3/0	0/0	4/4	(2)	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	4/4	2/0L	2/0L	chloride of lime, bleach		
Lime chloride	[3 x CaCl(OCl)] + Ca <sub>2</sub> —	—	—	O, C	—	0/0	0/0	4/4	(2)	3/0	0/0	4/4	1/1	1/3	0/0	0/0	0/0	1/1	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	4/4	2/0L	2/0L	chloride of lime, bleach	
Limonene, DL-	C <sub>10</sub> H <sub>16</sub>	000138-86-3	—	Xn	X	0/0	0/0	(1)	(3)	(2)	(4)	(1)	(3)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	4/4	1/0	3/3	0/0	1/1	1/1	1/1			
Linseed oil	—	080001-26-1	techn. pure	—	—	1/1	1/3	1/0	1/0	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	(1)	1/1	1/1		
Liqueurs	—	—	—	—	—	1/0	0/0	(2)	1/0	0/0	(2)	1/0	0/0	1/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	1/1	0/0	(1)	1/1	1/1			
Lithium bromide	LiBr	007550-35-8	—	Xn	—	1/1	1/1	(3)	(2)	1/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(1)	1/0	1/0	1/0	0/0	(3)	0/0	0/0			
Lube oils	—	—	—	?	—	1/3	2/3	(2-3)	(1)	(2)	0/0	(2)	3/0																		

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	thermoplastics													fluoroelastics		elastomers		metals		COMMENT							
					FLAMMABLE	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM		FPM	NBR	SI	AL	V2A	V4A	
Mercuric chloride	HgCl <sub>2</sub>	007487-94-7	aqueous	T+, C		1/1	1/1	4/4	1/0	(2)	1/1	3/0	1/1	1/3	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	4/4	(4)	(4)			
Mercuric cyanide	C <sub>2</sub> HgN <sub>2</sub>	000592-04-1	saturated	T+		1/1	1/1	(3)	(2)	(2)	0/0	(3)	1/1	0/0	0/0	1/3	0/0	0/0	(1)	1/1	1/1	1/1	(1)	1/1	(2)	0/0	4/4	1/0	1/0		
Mercuric nitrate	Hg(NO <sub>3</sub> ) <sub>2</sub>	010045-94-0	saturated	(T+)		1/1	1/1	1/0	(2)	(2)	0/0	(3)	1/1	1/0	0/0	1/3	1/0	0/0	(1)	1/1	1/1	1/1	1/0	1/1	1/3	0/0	4/4	1/1	1/1		
Mercury	Hg	007439-97-6	pure	T		1/1	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	3/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	(3)	1/1	1/1				
Mesityl oxide	C <sub>9</sub> H <sub>10</sub> O	000141-79-7		Xn	X	0/0	0/0	(2)	(4)	(4)	(4)	(2)	(3)	4/4	0/0	0/0	0/0	4/4	0/0	(1)	1/1	0/0	3/0	4/4	4/4	0/0	(1)	(1)	(1)		
Methacetone			-> see: Pentanone, 3-																												
Methacrylic acid	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	000079-41-4		C		1/0	1/1	4/4	4/4	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(3)	3/0	4/4	4/4	0/0	(4)	0/0	0/0			
Methane	CH <sub>4</sub>	000074-82-8	techn. pure	F+	X	1/0	0/0	1/0	1/0	1/0	0/0	1/0	1/0	0/0	0/0	1/0	0/0	0/0	0/0	1/1	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1		
Methanoic acid			-> see: Formic acid																												
Methenamine			-> see: Hexamethylenetetramine																												
Methoxy butanol	C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>		100 %	?	X	0/0	1/3	(2)	(3)	0/0	0/0	(2)	1/3	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(2)	3/0	1/0	1/0	0/0	(1)	(1)	(1)		isomer not indicated in the source	
Methoxyethane	C <sub>3</sub> H <sub>8</sub> O	000540-67-0	100 %	(F+)	X	0/0	3/0	(1)	(4)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	1/0	(2)	4/4	4/4	4/4	0/0	1/1	(1)	(1)		Methyl ethyl ether;	
Methoxyethyl oleate			-> see: Ethylene glycol monomethyl ether oleate																												
Methyl acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	000079-20-9	techn. pure	F	X	1/0	1/1	1/0	4/4	3/0	(4)	2/0	1/3	4/4	0/0	4/4	4/4	4/4	0/0	1/0	1/1	1/4	3/0	4/4	4/4	0/0	(1)	1/1	1/1		
Methyl acrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	000096-33-3		F, Xn	X	0/0	0/0	(2)	4/4	(4)	(4)	(2)	(2)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(3)	4/4	4/4	4/4	0/0	(1)	(1)	(1)			
Methyl alcohol	CH <sub>3</sub> O	000067-56-1		F, T	X	1/1	1/1	2/0	4/4	1/0	1/1	1/1	1/1	3/4	3/3	1/3	3/3	3/4	1/1	1/1	1/1	1/1	1/0	3/4	3/3	0/0	1/0	1/1	1/1		
Methyl amine	CH <sub>3</sub> N	000074-89-5	32 %	F+, C	X	1/0	1/0	4/4	4/4	0/0	0/0	1/0	1/0	0/0	0/0	3/0	4/4	0/0	(1)	1/0	3/0	1/0	4/4	4/4	0/0	1/0	1/0	1/0			
Methyl benzene	C <sub>7</sub> H <sub>8</sub>	000108-88-3		F, Xn	X	3/4	3/4	1/0	4/4	1/0	3/3	1/3	3/4	4/4	4/4	4/4	4/4	4/4	1/1	1/1	1/0	1/1	4/4	3/3	4/4	0/0	1/1	1/1	1/1		
Methyl bromide	CH <sub>3</sub> Br	000074-83-9	techn. pure	T		3/0	4/4	1/0	(3)	0/0	0/0	1/0	4/4	4/4	0/0	4/4	4/4	0/0	0/0	1/0	1/0	1/1	4/4	1/0	4/4	0/0	4/4	1/1L	1/1L		
Methyl butanol	C <sub>8</sub> H <sub>18</sub> O			Xn	X	0/0	0/0	(2)	(2)	1/0	0/0	1/0	1/0	0/0	0/0	0/0	0/0	1/3	0/0	(1)	1/1	1/1	3/0	2/2	3/3	0/0	(1)	(1)	(1)		isomer not indicated in the source
Methyl butyl ketone	C <sub>8</sub> H <sub>16</sub> O	000591-78-6		F, T	X	0/0	0/0	(2)	(4)	(4)	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(3)	1/0	4/4	4/4	0/0	(1)	(1)	(1)			
Methyl cellosolve oleate			-> see: Ethylene glycol monomethyl ether oleate																												
Methyl chloride	CH <sub>2</sub> Cl	000074-87-3	techn. pure	F+, T	X	3/0	2/0	4/4	(3)	0/0	0/0	1/0	4/4	4/4	4/4	4/4	4/4	4/4	0/0	1/0	1/0	1/1	4/4	4/4	4/4	0/0	4/4	1/1L	1/1L		
Methyl cyanide			-> see: Acetonitrile																												
Methyl dichloroacetate	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	000116-54-1		(Xn)		1/1	0/0	(3)	(4)		(4)	(3)	1/1	0/0	0/0	4/4	0/0	0/0	(1)	1/1	3/3	4/4	4/4	4/4	0/0	(3)	0/0	0/0			
Methyl ethyl carbinol			-> see: Butyl alcohol, sec-																												
Methyl ethyl ether			-> see: Methoxyethane																												
Methyl ethyl ketone (MEK)	C <sub>6</sub> H <sub>10</sub> O	000078-93-3		F	X	1/3	3/4	1/0	4/4	4/4	4/4	1/2	1/3	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/1	3/4	3/0	4/4	4/4	0/0	(1)	(1)	(1)		
Methyl ethylene oxide			-> see: Propylene oxid																												
Methyl formate	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	000107-31-3		F+	X	0/0	0/0	(2)	4/4	0/0	(4)	(2)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	2/0	4/4	4/4	0/0	(1)	(1)	(1)			
Methyl isobutyl ketone	C <sub>8</sub> H <sub>16</sub> O	000108-10-1		F	X	1/2	2/3	1/0	4/4	(4)	3/3	(2)	2/4	4/4	4/4	4/4	4/4	4/4	2/3	1/1	1/1	(3)	4/4	4/4	4/4	0/0	(1)	(1)	(1)		
Methyl isopropyl ketone	C <sub>7</sub> H <sub>14</sub> O	000563-80-4		F	X	0/0	0/0	(2)	4/4	(4)	(4)	(2)	(3)	4/4	0/0	0/0	4/4	0/0	(1)	(1)	(3)	3/0	4/4	4/4	0/0	(1)	(1)	(1)			
Methyl ketone			-> see: Acetone																												
Methyl methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	000080-62-6	100 %	F, Xi	X	0/0	0/0	(2)	4/4	(4)	(4)	(2)	(2)	4/4	0/0	4/4	4/4	0/0	0/0	1/0	1/1	(3)	4/4	4/4	4/4	0/0	1/1	(1)	(1)		
Methyl propyl ketone	C <sub>8</sub> H <sub>16</sub> O	000107-87-9		(F)	X	1/2	2/3	(2)	4/4	(4)	3/3	(2)	2/3	4/4	4/4	4/4	0/0	4/4	1/2	1/1	(1)	(2)	(3)	4/4	4/4	0/0	(1)	(1)	(1)		
Methyl salicylate	C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>	000119-36-8		Xn, Xi		0/0	0/0	(3)	(3)	0/0	(3)	1/0	4/4	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(3)	2/0	(3)	4/4	0/0	(2)	(1)	(1)		synthetic oil of wintergreen	
Methyl sulfuric acid	CH <sub>3</sub> SO <sub>4</sub>	000077-78-1	50 %	(C)		0/0	1/1	4/4	(4)	(4)	0/0	4/4	2/4	0/0	0/0	1/3	0/0	0/0	(1)	1/1	(2)	1/0	4/4	4/4	0/0	(4)	0/0	0/0			
Methyl sulfuric acid	CH <sub>3</sub> SO <sub>4</sub>	000077-78-1	aqueous	(C)		0/0	0/0	4/4	(4)	(4)	0/0	4/4	(2)	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(2)	1/0	4/4	4/4	0/0	(4)	0/0	0/0			
Methyl-1-propanol, 2-			-> see: Isobutanol																												
Methylchloroacetate	C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	000096-34-4	techn. pure	T/Xi	X	1/1	0/0	(3)	4/4	(4)	(4)	(3)	1/1	4/4	0/0	3/0	0/0	0/0	(1)	(1)	1/4	3/0	4/4	4/4	0/0	3/4	0/0	0/0			
Methylcyclohexane	C <sub>6</sub> H <sub>12</sub>	000108-87-2		F, Xn	X	3/0	3/0	(2)	(2)	1/0	(4)	(2)	3/0	0/0	0/0	0/0	0/0	1/1	0/0	(1)	1/0	(1)	4/4	(1)	4/4	0/0	1/1	1/1	1/1		
Methylcyclopentane	C <sub>6</sub> H <sub>10</sub>	000096-37-7		F	X	0/0	0/0	(2)	(2)	1/0	(4)	(2)	(3)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	4/4	1/0	4/4	0/0	1/1	1/1	1/1			
Methylene chloride	CH <sub>2</sub> Cl <sub>2</sub>	000075-09-2		Xn		4/4	4/4	3/4	4/4	4/4	3/4	3/0	3/4	4/4	4/4	4/4	4/4	4/4	2/2	1/1	1/1	1/3	4/4	3/3	4/4	0/0	1/0	1/1L	1/1L		
Methylglycol acetate	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	000110-49-6		T		0/0	0/0	1/0	(3)	0/0	0/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	3/0	4/4	4/4	0/0	(1)	(1)	(1)			
Methylloxirane			-> see: Propylene oxid																												
Methylpropyl acetate, 2-			-> see: Isobutyl acetate																												
Milk						1/1	1/1	1/0	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	3/0	1/0	1/0	0/0	(1)	1/1	1/1	
Mineral oil		008012-95-1</																													

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroelastomers			elastomers			metals			COMMENT					
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FPM	NBR	SI	AL		V2A	V4A			
Nickel dichloride	NiCl <sub>2</sub>	007718-54-9	saturated	T		1/1	1/1	1/0	(2)	(1)	0/0	2/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	4/4	2/0L	2/0L	
Nickel dichloride	NiCl <sub>2</sub>	007718-54-9	aqueous	T		1/1	1/1	(3)	(2)	(1)	0/0	2/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	4/4	2/0L	2/0L	
Nickel sulfate	NiSO <sub>4</sub>	007786-81-4	saturated	Xn		1/1	1/1	1/0	1/0	(1)	1/0	2/0	1/1	1/1	0/0	1/1	1/3	1/1	0/0	1/1	1/1	1/1	1/0	1/1	1/1	1/0	1/1	1/1	0/0	4/4	1/1	1/1	
Nickel sulfate	NiSO <sub>4</sub>	007786-81-4	aqueous	Xn		1/1	1/1	(3)	1/0	(1)	0/0	2/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	1/1	0/0	4/4	1/1	1/1		
Nickelous nitrate	Ni(NO <sub>3</sub> ) <sub>2</sub>	013138-45-9	saturated	(O, Xn)		1/1	1/1	(3)	(2)	(1)	1/0	(2)	1/1	1/0	1/0	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	1/0	1/0	0/0	4/4	1/0	1/0		
Nicotine	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	000054-11-5		T+		1/0	1/0	(3)	(3)	0/0	0/0	(2)	1/0	1/0	0/0	1/0	0/0	0/0	0/0	(1)	(1)	(2)	1/0	1/0	1/0	0/0	(1)	(1)	(1)	(1)			
Nicotinic acid	C <sub>6</sub> H <sub>7</sub> NO <sub>2</sub>	000059-67-6	diluted	Xi		1/1	1/1	(3)	(2)	0/0	0/0	(3)	1/0	0/0	0/0	1/1	0/0	0/0	0/0	1/1	(1)	(2)	(2)	(3)	(2)	0/0	(3)	0/0	0/0				
Nitric acid	HNO <sub>3</sub>	007697-37-2	1-10 %	C		1/1	1/1	4/4	1/2	(2)	1/1	4/4	1/1	2/4	1/3	1/2	0/0	1/3	1/1	1/1	1/1	1/1	2/0	1/1	4/4	0/0	3/4	1/1	1/1				
Nitric acid	HNO <sub>3</sub>	007697-37-2	50 %	C+		2/4	3/4	4/4	4/4	(2)	2/4	4/4	3/4	4/4	2/3	2/3	0/0	0/3	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	1/2				
Nitric acid	HNO <sub>3</sub>	007697-37-2	66 %	C+		2/4	3/4	4/4	4/4	(4)	2/3	4/4	4/4	4/4	3/4	0/0	0/0	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	1/2					
Nitric acid	HNO <sub>3</sub>	007697-37-2	100 %	O, C+		4/4	4/4	4/4	4/4	(4)	0/0	4/4	4/4	0/0	0/0	4/4	0/0	0/0	1/1	4/4	4/4	4/4	4/4	0/0	1/1	2/3	3/3						
Nitric acid	HNO <sub>3</sub>	007697-37-2	70 %	O, C+		2/4	3/4	4/4	4/4	(4)	2/3	4/4	4/4	4/4	3/4	0/0	0/0	1/1	1/1	1/1	1/1	4/4	2/3	4/4	0/0	4/4	1/2	1/2					
Nitric acid				-> see: Ammonium nitrate																													
Nitric acid, magnesium salt				-> see: Magnesium nitrate																													
Nitric acid, potassium salt				-> see: Potassium nitrate																													
Nitro benzoic acid	C <sub>7</sub> H <sub>5</sub> NO <sub>4</sub>			(Xn)		1/0	1/0	(3)	(3)	0/0	0/0	(3)	1/0	0/0	0/0	1/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	3/0	(3)	(2)	0/0	(3)	0/0	0/0	0/0	isomer not indicated in the source	
Nitro reducer					X	0/0	0/0	3/0	(4)	0/0	(4)	(3)	3/4	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	(3)	(4)	4/4	0/0	(1)	(1)	(1)	solvent cleaner mixture			
Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	000098-95-3		?		3/4	4/4	4/4	4/4	1/0	4/4	3/0	2/4	4/4	4/4	4/4	4/4	1/2	1/1	1/1	1/1	4/4	4/4	4/4	0/0	(1)	1/1	1/1					
Nitroethane	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	000079-24-3		Xn	X	0/0	0/0	(3)	(4)	0/0	0/0	(3)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	3/0	4/4	4/4	0/0	(1)	(1)	(1)					
Nitrogen	N <sub>2</sub>	007727-37-9				0/0	0/0	1/0	1/1	1/1	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	0/0	1/1	1/1	1/1					
Nitrogen hydride				-> see: Hydrazine																													
Nitrogen tetroxide	N <sub>2</sub> O <sub>4</sub>	010544-72-6		(O), T+, C		0/0	0/0	3/0	(3)	1/0	0/0	4/4	1/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	4/4	4/4	4/4	0/0	(2)	(1)	(1)					
Nitroglycerine	C <sub>3</sub> H <sub>5</sub> (NO <sub>3</sub> ) <sub>3</sub>	000055-63-0	diluted	(E, T+)		0/0	0/0	(3)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	3/0	4/4	0/0	0/0	(1)	1/0	(3)	1/0	1/0	4/4	0/0	0/0	0/0					
Nitrohydrochloric acid	HNO <sub>3</sub> + HCl	008007-56-5		C		4/4	4/4	4/4	4/4	4/4	3/3	4/4	4/4	4/4	4/4	4/4	3/4	1/1	(2)	1/1	3/0	4/4	4/4	4/4	0/0	4/4	4/4	4/4	aqua regia: mixture of hydrochloric acid and nitric acid				
Nitropropane	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>			(T)		0/0	0/0	(3)	(4)	0/0	0/0	(3)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	3/0	4/4	4/4	0/0	(1)	(1)	(1)	isomer not indicated in the source				
Nitrose gases			diluted	T		1/1	0/0	3/0	4/4	0/0	0/0	4/4	1/4	0/0	0/0	1/3	0/0	0/0	0/0	(1)	1/1	1/1	3/0	3/0	4/4	0/0	(2)	(1)	(1)	nitrogen monoxide + nitrogen dioxide			
Nitrotoluene	C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub>	001321-12-6	techn. pure	T		1/3	1/3	4/4	4/4	1/0	(4)	3/0	1/3	4/4	0/0	4/4	4/4	0/0	0/0	(1)	1/1	1/1	4/4	4/4	4/4	0/0	(1)	1/1	1/1				
Nitrous acid, sodium salt				-> see: Sodium nitrite																													
Nitrous oxide	N <sub>2</sub> O	010024-97-2		(O)		0/0	0/0	(2)	(2)	(1)	0/0	(2)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	2/0	1/0	1/0	0/0	1/1	(1)	(1)	nitric oxide			
Nonanol				-> see: Nonyl alcohol																													
Nonyl alcohol	C <sub>9</sub> H <sub>19</sub> O	000143-08-8	100 %	Xn, Xi		0/0	1/1	(2)	(2)	(1)	0/0	(1)	1/1	1/0	0/0	0/0	0/0	1/1	0/0	(1)	(1)	1/0	1/0	3/3	0/0	(1)	(1)	(1)	Nonanol; Pelargonic alcohol; Octyl carbinol				
Nutmeg oil		008008-45-5		(Xn)		0/0	0/0	(2)	4/4	0/0	(2)	2/4	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	(4)	(3)	(3)	0/0	(1)	(1)	(1)					
Octafluoropropane	C <sub>3</sub> F <sub>8</sub>	000076-19-7		?		0/0	0/0	1/0	(3)	0/0	0/0	1/0	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	0/0	1/0	1/0	1/0	0/0	(3)	0/0	0/0					
Octane	C <sub>8</sub> H <sub>18</sub>	000111-65-9		F, Xn	X	1/1	1/1	1/0	2/3	(1)	1/1	1/0	1/1	4/4	2/3	3/4	3/3	1/1	1/1	1/1	(1)	(1)	4/4	1/0	3/3	0/0	1/1	1/1	1/1				
Octyl carbinol				-> see: Nonyl alcohol																													
Octyl cresol ?	C <sub>18</sub> H <sub>24</sub> O		100 %	?		3/0	3/0	(3)	(4)	0/0	0/0	(3)	3/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	3/0	3/0	0/0	(1)	(1)	(1)	isomer not indicated in the source			
Oils and fats, vegetable						1/3	1/3	(2)	(2)	1/0	0/0	(2)	1/3	3/0	0/0	1/1	3/3	0/0	0/0	(1)	1/1	1/1	4/4	1/1	(2)	0/0	(1)	1/1	1/1				
Oils, essential				?		4/4	3/4	(2)	(3)	0/0	0/0	(2)	3/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	4/4	(1-3)	(3)	0/0	1/1	(1)	(1)					
Oleic acid	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	000112-80-1	techn. pure	Xi		1/3	1/3	1/0	1/0	0/0	2/0	1/3	1/3	0/0	1/1	0/0	1/3	0/0	(1)	1/1	1/1	4/4	2/2	3/0	0/0	1/1	1/1	1/1					
Oleic acid methyl ester	C <sub>19</sub> H <sub>38</sub> O <sub>2</sub>	000112-62-9				0/0	0/0	(2)	(3)	(2)	(4)	(2)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	3/0	1/0	4/4	0/0	(1)	(1)	(1)					
Oleum	H <sub>2</sub> SO <sub>4</sub> x SO <sub>3</sub>	008014-95-7	10 % SO <sub>3</sub>	C+		4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	0/0	1/0	1/0	4/4	4/4	1/0	4/4	4/4	1/0	4/4	0/0	1/3	1/2	1/1	fuming sulfuric acid			
Oleum steams			small	?		4/4	0/0	4/4	(3)	0/0	0/0	4/4	4/4	0/0	0/0	1/0	0/0	0/0	(1)	(1)	1/0	(3)	1/0	(3)	0/0	(3)	(1)	(1)	sulfur trioxide				
Olive oil		008001-25-0				1/3	0/0	(2)	(2)	1/0	0/0	1/1	1/1	1/1	0/0	1/1	0/0	1/1	0/0	(1)	1/1	1/1	4/4	1/1	1/1	0/0	1/1	1/1	1/1				
Orange juice						1/1	1/1	(1)	1/0	1/0	0/0	(2)	1/1	1/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	(2)	(1)	(1)					
Orange oil		008028-48-6		Xn		(3)	(3)	1/0	(3)	0/0	(4)	1/0	(3)	4/4	0/0	0/0	0/0	0/0	(1)	1/1	(3)	4/4	(2)	(3)	0/0	(1)	(1)	(1)	mainly + limonene				
Orange oil, bitter		068916-04-1		?		2/3	3/4																										



CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroelastics			elastomers			metals			COMMENT					
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FPM	NBR	SI	AL		V2A	V4A			
Potassium borate	KBO <sub>2</sub>	012228-88-5	aqueous	(Xn)		1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	1/3	0/0	1/1	0/0	1/1	1/1	1/0	1/0	1/0	1/1	0/0	(3)	0/0	0/0		
Potassium bromate	KBrO <sub>3</sub>	007758-01-2	saturated	O, T	1/3	1/3	(2)	1/0	0/0	0/0	(2)	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	1/1	0/0	(2)	0/0	0/0	
Potassium bromide	KBr	007758-02-3	each	Xn	1/1	1/1	3/0	1/0	(1)	1/0	1/1	1/1	1/1	0/0	1/3	1/0	1/1	0/0	1/1	1/1	1/1	1/0	1/1	1/1	1/0	1/1	0/0	1/0	1/0L	1/0L			
Potassium carbonate	K <sub>2</sub> CO <sub>3</sub>	000584-08-7	saturated	Xn	1/1	1/1	1/1	3/3	(2)	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1	0/0	1/1	1/1	1/3	1/0	1/0	1/1	0/0	4/4	1/1	1/1					
Potassium carbonate	K <sub>2</sub> CO <sub>3</sub>	000584-08-7	aqueous	Xn	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/1	0/0	4/4	1/1	1/1					
Potassium chlorate	KClO <sub>3</sub>	003811-04-9	saturated	O, Xn	1/1	0/0	1/0	(2)	0/0	0/0	2/0	1/1	1/0	0/0	1/1	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1	1/1					
Potassium chlorate	KClO <sub>3</sub>	003811-04-9	aqueous	O, Xn	1/1	0/0	1/0	(2)	0/0	0/0	2/0	1/1	1/0	0/0	1/1	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1	1/1					
Potassium chloride	KCl	007447-40-7	aqueous	Xi	1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/3	1/1L	1/1L				
Potassium chromate	K <sub>2</sub> CrO <sub>4</sub>	007789-00-6	saturated	T	1/0	1/1	2/0	(2)	0/0	1/0	(2)	1/1	1/1	0/0	1/1	1/0	1/1	0/0	(1)	1/1	1/1	1/0	1/0	3/3	0/0	1/1	(1)	(1)					
Potassium chromate	K <sub>2</sub> CrO <sub>4</sub>	007789-00-6	aqueous	T	0/0	0/0	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	3/3	0/0	1/1	(1)	(1)					
Potassium cyanide	KCN	000151-50-8	saturated	T+	1/1	1/1	1/0	4/4	0/0	0/0	3/0	1/1	0/0	0/0	1/3	4/4	0/0	0/0	1/1	1/1	1/3	1/0	1/1	3/3	0/0	3/4	1/0	1/0					
Potassium cyanide	KCN	000151-50-8	aqueous	T+	1/1	1/1	1/0	4/4	0/0	0/0	3/0	1/1	0/0	0/0	1/3	1/4	0/0	0/0	1/1	1/1	1/3	1/0	1/1	3/3	0/0	3/4	1/0	1/0					
Potassium dichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	007778-50-9	saturated	T	1/1	1/0	4/4	3/0	3/0	1/0	3/0	1/1	1/3	0/0	1/3	1/0	1/3	0/0	(1)	1/1	1/1	1/0	2/0	3/3	0/0	1/1	1/1	1/1					
Potassium dichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	007778-50-9	aqueous	T	0/0	0/0	3/0	1/0	3/0	0/0	3/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	2/0	3/3	0/0	1/1	1/1	1/1					
Potassium ferricyanide	C <sub>5</sub> FeK <sub>3</sub> N <sub>6</sub>	013746-66-2	each	Xn	1/1	1/1	1/0	(1)	(1)	0/0	2/0	1/1	1/1	0/0	1/3	1/1	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	1/1	1/1	1/1					
Potassium ferrocyanide	C <sub>5</sub> FeK <sub>3</sub> N <sub>6</sub> x 3H <sub>2</sub> O	014459-95-1	saturated	—	1/1	1/1	1/0	(2)	(1)	0/0	2/0	1/1	0/0	0/0	1/1	1/1	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	1/1	1/1	1/1					
Potassium ferrocyanide	C <sub>5</sub> FeK <sub>3</sub> N <sub>6</sub> x 3H <sub>2</sub> O	014459-95-1	diluted	—	1/0	1/1	1/0	(1)	(1)	0/0	2/0	1/1	0/0	0/0	1/3	1/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	1/1	1/1	1/1					
Potassium fluoride	KF	007789-23-3	—	T	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(1)	1/0	(1)	1/0	(1)	0/0	1/1	1/1	1/1					
Potassium hydrogen carbonate	CHKO <sub>3</sub>	000298-14-6	saturated	—	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	0/0	4/4	(1)	(1)				
Potassium hydroxide	KHO	001310-58-3	10 %	C+	1/1	1/1	1/0	4/4	4/4	0/0	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/0	4/4	3/3	0/0	4/4	1/1	1/1				Caustic potash; Potassium hydrate; Potassium lye	
Potassium hydroxide	KHO	001310-58-3	30 %	C+	1/1	1/1	1/3	4/4	4/4	1/0	(3)	1/1	1/0	1/0	1/3	1/0	0/0	0/0	0/0	1/1	(2)	1/0	4/4	3/3	0/0	4/4	1/1	1/1					
Potassium hydroxide	KHO	001310-58-3	50 %	C+	1/1	1/1	1/3	4/4	4/4	1/1	3/0	1/1	2/2	1/1	1/3	1/0	1/3	1/1	1/1	1/1	3/3	1/0	4/4	3/4	0/0	4/4	1/1	1/1					
Potassium hydroxide	KHO	001310-58-3	concentrated	C+	1/1	1/1	1/0	4/4	4/4	1/1	3/0	1/1	2/2	1/1	1/2	1/0	1/3	1/1	1/1	1/1	3/3	1/0	4/4	3/4	0/0	4/4	1/1	1/1					
Potassium hydroxide	KHO	001310-58-3	1 %	Xi	1/1	1/1	1/0	3/4	(4)	1/1	1/1	1/1	2/2	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/0	1/3	3/3	0/0	4/4	1/1	1/1						
Potassium hypochlorite	KClO	007778-66-7	diluted	(O, C)	1/0	1/3	3/0	(3)	(3)	1/0	4/4	1/3	3/0	1/0	1/0	1/0	0/0	0/0	(1)	1/1	1/1	3/0	1/0	3/3	0/0	4/4	3/3L	2/2L					
Potassium iodate	KIO <sub>3</sub>	007758-05-6	—	O	0/0	0/0	(2)	(2)	0/0	(2)	0/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/0	1/1	(1)	(1)	(2)	0/0	1/1	1/1	1/1					
Potassium iodide	KJ	007681-11-0	saturated	(Xn)	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	1/1	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	1/1	1/1L	1/1L				
Potassium iodide	KJ	007681-11-0	aqueous	(Xn)	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	1/1	1/1L	1/1L				
Potassium lye	-> see: Potassium hydroxide																																
Potassium nitrate	KNO <sub>3</sub>	007757-79-1	50 %	O, Xn	1/1	1/1	1/0	1/0	(1)	1/0	1/1	1/1	1/1	1/0	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/1	1/1	1/1				Salt peter; Nitric acid, potassium salt	
Potassium nitrate	KNO <sub>3</sub>	007757-79-1	aqueous	O, Xn	1/1	1/1	1/0	1/0	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/0	0/0	1/1	1/1	1/1					
Potassium perchlorate	KClO <sub>4</sub>	007778-74-7	saturated	O, Xn	1/1	1/1	(1)	1/0	(1)	1/0	1/1	1/1	0/0	0/0	1/3	3/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	1/1	1/1	1/1					
Potassium perchlorate	KClO <sub>4</sub>	007778-74-7	aqueous	O, Xn	1/1	1/1	(1)	1/0	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1	1/1					
Potassium permanganate	KMnO <sub>4</sub>	007722-64-7	aqueous	O, Xn	0/0	0/0	4/4	1/0	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1				Permanganic acid, potassium salt; Cond's crystals;	
Potassium permanganate	KMnO <sub>4</sub>	007722-64-7	—	O, Xn	1/3	1/1	4/4	1/0	(2)	1/1	1/1	1/3	0/0	1/3	0/0	1/3	1/0	1/1	1/1	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1	1/1					
Potassium persulfate	K <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub>	007727-21-1	each	O, Xn	1/1	1/1	4/4	1/0	0/0	1/0	(3)	1/1	0/0	1/3	1/0	1/1	0/0	(1)	1/1	1/1	1/1	1/0	1/1	4/4	0/0	4/4	1/0	1/0					
Potassium sulfate	K <sub>2</sub> SO <sub>4</sub>	007778-80-5	aqueous	Xn	1/1	1/1	1/0	(1)	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1					
Potassium sulfide	K <sub>2</sub> S	001312-73-8	diluted	(C)	1/1	1/1	1/0	(2)	(2)	1/0	(2)	1/1	1/1	0/0	1/0	1/0	1/1	0/0	(1)	1/1	1/1	(1)	(1)	2/0	0/0	3/4	1/1	1/1					
Potassium sulfite	K <sub>2</sub> SO <sub>3</sub>	010117-38-1	saturated	(Xi)	1/1	1/1	(1)	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	1/0	1/0	1/0	1/0	1/0					
Potassium thiosulfate	K <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	010233-00-8	saturated	Xi	1/1	1/1	(1)	(2)	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(1)	(1)	3/3	0/0	(1)	(1)					
Precipitated silica	SiO <sub>2</sub>	001343-98-2	each	—	1/1	1/1	(1)	1/1																									

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	thermoplastics													fluoroelastomers			elastomers		metals		COMMENT							
					FLAMMABLE	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FFM		NBR	SI	AL	V2A	V4A		
Pyrogallic acid	C <sub>6</sub> H <sub>6</sub> O <sub>3</sub>	000087-66-1		Xn		0/0	0/0	1/0	(3)	0/0	0/0	3/4	1/0	3/0	0/0	0/0	0/0	0/0	1/3	0/0	(1)	(1)	1/1	(3)	(3)	(3)	0/0	1/1	1/1	1/1		
Pyrolytic oil		008001-20-5				0/0	0/0	(1)	(2)	1/0	0/0	(1)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	(1)	4/4	(1)	1/0	0/0	1/1	(1)		
Pyrrrole	C <sub>4</sub> H <sub>5</sub> N	000109-97-7		Xn	X	0/0	0/0	(3)	(4)	0/0	0/0	(2)	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	4/4	4/4	4/4	0/0	(1)	(1)	(1)		Azole; Imidole	
Quinine	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>	000130-95-0		Xn		1/1	1/1	(2)	(2)	(2)	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(2)	(2)	(1)	0/0	(2)	(1)	(1)			
Quinol	-> see: Hydroquinone																															
Ramasisit				?		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	0/0	0/0	0/0	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	for moisture-proofing of textiles; BASF
Resorcinol	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	000108-46-3	5 %			1/1	1/1	4/4	2/3	0/0	1/1	(3)	1/1	2/3	4/4	2/4	0/0	3/3	1/3	1/1	(1)	(3)	(3)	(3)	(3)	(3)	0/0	(2)	0/0	0/0		
Resorcinol	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	000108-46-3	saturated	Xn		1/1	1/1	4/4	2/3	0/0	1/1	(3)	1/1	2/3	4/4	3/4	0/0	0/0	1/1	(1)	(1)	(3)	(3)	(3)	(3)	(3)	0/0	(2)	0/0	0/0		
Roaster off-gas			each	(T)		0/0	0/0	(2)	0/0	0/0	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	1/0	1/0	4/4	0/0	(4)	(2)	(2)			
Rose oil		008007-01-0		?		0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	(3)	(3)	0/0	(1)	(1)	(1)			
Rum ether		008030-89-5		?		0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	4/4	0/0	0/0	1/0	0/0	0/0	(1)	(1)	(3)	(3)	(4)	(3)	0/0	(1)	(1)	(1)			
Sagrotan			liquid	?		1/2	1/3	0/0	3/0	0/0	(3)	1/3	3/4	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	1/0	1/0	3/0	0/0	(2)	(1)	(1)		disinfectant; Schülke & Mayr	
Salicylic acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	000069-72-7	saturated	(Xn, Xi)		1/1	1/1	1/0	1/2	1/0	1/1	4/4	1/1	1/2	1/1	2/3	0/0	1/1	1/1	1/0	1/1	1/0	1/0	1/0	3/3	0/0	1/0	1/0	1/0			
Salicylic acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	000069-72-7	powder	Xn, Xi		1/1	1/1	1/0	1/2	(1)	1/2	(3)	1/1	1/1	1/1	2/3	0/0	0/0	1/1	1/1	1/0	1/1	1/0	1/0	3/3	0/0	1/0	1/0	1/0			
Salicylaldehyde	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	000090-02-8		Xn, Xi		1/1	1/2	(3)	2/3	0/0	1/2	(3)	1/2	4/4	3/3	3/4	0/0	0/0	1/4	1/1	(1)	(3)	(3)	(3)	4/4	0/0	(2)	(1)	(1)			
Salt spring	NaCl	007647-14-5	saturated			1/1	1/1	1/0	(1)	(1)	0/0	1/2	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	0/0	3/4	1/3	1/2				
Salt water, sea water						1/1	1/1	1/0	1/1	1/1	0/0	1/1	1/1	1/1	0/0	1/3	1/3	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	3/4	1/3L	1/2L		
Saltpeter	-> see: Potassium nitrate																															
Saturated steam condensate				?		0/0	0/0	(2)	(2)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(2)	(2)	(2)	(2)	0/0	(2)	1/1	1/1			
Sea water						1/1	1/1	1/0	1/1	1/1	0/0	1/1	1/1	1/1	0/0	1/3	1/3	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	3/4	1/3L	1/2L			
Silicofluoric acid	H <sub>2</sub> SiF <sub>6</sub>	016961-83-4	32 %	C		1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/1	0/0	0/0	1/1	0/0	0/0	1/1	1/1	1/1	1/1	1/1	3/0	2/2	3/4	0/0	4/4	(2)	1/1		
Silicone greases				(-)		0/0	0/0	1/0	1/0	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	(1)	(1)	1/0	1/0	1/1	0/0	1/1	1/1	1/1			
Silicone oil				?		1/1	1/1	1/0	1/0	1/0	1/1	3/3	1/0	1/4	0/0	1/1	0/0	1/1	1/1	(1)	1/0	1/1	1/1	0/0	1/1	1/1	0/0	1/1	1/1		polysiloxane	
Silver acetate	C <sub>2</sub> H <sub>3</sub> AgO <sub>2</sub>	000563-63-3		Xi		1/1	1/1	(2)	1/2	(2)	1/1	(2)	1/1	2/2	1/1	2/2	0/0	0/0	1/1	1/1	(1)	(1)	(1)	(2)	(3)	0/0	(4)	0/0	0/0			
Silver cyanide	AgCN	000506-64-9		T		1/1	1/1	(2)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	(1)	(1)	(1)	(1)	(3)	0/0	(4)	0/0	0/0				
Silver nitrate	AgNO <sub>3</sub>	007761-88-8	aqueous	C		1/1	0/0	1/0	1/1	(2)	0/0	1/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	3/3	0/0	4/4	1/1	1/1		lunar caustic	
Silver nitrate	AgNO <sub>3</sub>	007761-88-8		C		1/1	1/2	1/0	1/1	(2)	1/1	1/0	1/2	2/3	1/1	1/2	1/2	1/1	1/1	1/1	1/0	1/1	1/0	1/1	3/3	0/0	4/4	1/1	1/1		lunar caustic	
Skydrol 500 (B4)				(Xn)		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	(1)	0/0	1/0	4/4	4/4	0/0	0/0	(1)	(1)	based on phosphoric ester; Solutia	
Skydrol 7000				(Xn)		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	0/0	1/0	2/0	4/4	0/0	0/0	(1)	(1)	based on phosphoric ester; Solutia		
Soaps, liquid				?		1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(2)	(2)	(2)	0/0	(3)	0/0	0/0			
Soapy solution			each	(-)		1/1	0/0	4/4	(2)	1/1	0/0	1/1	1/1	0/0	0/0	1/3	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	(3)	1/1	1/1			
Sodium acetate	C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub>	000127-09-3	each			1/1	1/1	1/0	1/2	(1)	1/1	1/1	1/1	2/2	1/1	2/3	3/0	1/1	1/1	1/1	1/1	1/0	(3)	3/3	0/0	1/1	1/1	1/1		Acetic acid sodium salt;		
Sodium benzoate	C <sub>6</sub> H <sub>5</sub> NaO <sub>2</sub>	000532-32-1	36 %	Xn		1/1	1/1	1/0	(2)	(2)	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	(1)	1/1	0/0	(1)	(1)	(1)			
Sodium benzoate	C <sub>6</sub> H <sub>5</sub> NaO <sub>2</sub>	000532-32-1	aqueous	Xn		1/1	1/1	(2)	(2)	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/1	1/0	1/0			
Sodium benzoate	C <sub>6</sub> H <sub>5</sub> NaO <sub>2</sub>	000532-32-1		Xn		1/1	1/1	1/0	(2)	(1)	0/0	1/1	1/1	1/1	0/0	1/3	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/1	1/0	1/0			
Sodium bicarbonate	NaHCO <sub>3</sub>	000144-55-8	aqueous			1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1			
Sodium bisulfate	NaHSO <sub>4</sub>	007681-38-1	10 %	(C)		1/1	1/1	4/4	1/0	1/0	0/0	2/0	1/1	0/0	0/0	1/3	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/3	0/0	1/3	1/2	1/1			
Sodium bisulfate	NaHSO <sub>4</sub>	007681-38-1	each	(C)		1/1	1/1	1/0	1/0	0/0	(3)	1/1	1/3	0/0	1/4	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/3	0/0	1/3	(2)	1/1				
Sodium bisulfite	NaHSO <sub>3</sub>	007631-90-5	aqueous	Xn		1/1	1/1	1/0	(2)	1/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	1/0	0/0	1/0	1/1	1/1			
Sodium borate	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> · x 10 H <sub>2</sub> O	001303-96-4	saturated	Xi		1/1	1/1	1/0	(2)	1/0	1/1	1/1	1/1	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/0	3/3	0/0	1/3	1/1	1/1				
Sodium borate	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> · x 10 H <sub>2</sub> O	001303-96-4	aqueous	Xi		1/1	1/1	1/0	(2)	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	0/0	1/3	1/1	1/1			
Sodium bromate	NaBrO <sub>3</sub>	007789-38-0	each	O, T		1/0	1/3	(3)	(2)	0/0	0/0	1/1	1/1	1/1	0/0	1/0	0/0	1/1	0/0	(1)	1/1	1/1	(2)	(1)	1/3	0/0	1/1	1/1L	1/1L			
Sodium bromide	NaBr	007647-15-6	each	Xi		1/1	1/1	1/0	(2)	(1)	0/0	1/1	1/1	1/1	0/0	1/3	0/0	1/1	1/1	1/1	1/1	(1)	(1)	1/3	0/0	4/4	0/0	0/0				
Sodium carbonate	Na <sub>2</sub> CO <sub>3</sub>	000497-19-8	saturated	Xi		1/1	1/1	1/0	1/0	0/0																						

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroelastics			elastomers			metals			COMMENT			
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTE / ETFE	PEP	PTFE	PVDF	EPDM	FPM	NBR	SI	AL		V2A	V4A	
Sodium hydroxide	NaHO	001310-73-2	45 %	C+		1/1	1/1	1/0	4/4	4/4	1/0	1/3	1/1	1/1	1/1	1/3	1/3	1/1	0/0	0/0	1/1	(2)	1/0	2/4	2/3	0/0	4/4	1/3	1/3	caustic soda, sodium hydrate, soda lye	
Sodium hydroxide	NaHO	001310-73-2	50 %	C+		1/1	1/1	1/0	4/4	4/4	1/1	1/3	1/1	2/2	1/1	1/2	0/0	0/3	1/1	1/1	1/1	3/3	1/0	3/4	3/3	0/0	4/4	1/3	1/3	caustic soda, sodium hydrate, soda lye	
Sodium hydroxide	NaHO	001310-73-2	60 %	C+		1/1	1/1	1/0	4/4	4/4	1/0	(3)	1/1	1/0	1/0	0/0	0/0	0/0	0/0	0/0	1/1	(2)	1/0	3/4	2/3	0/0	4/4	1/3	1/3	caustic soda, sodium hydrate, soda lye	
Sodium hydroxide	NaHO	001310-73-2	1 %	Xi		1/1	1/1	1/0	3/4	(3)	1/1	1/1	1/1	2/2	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	(4)	1/1	1/1	caustic soda, sodium hydrate, soda lye	
Sodium hypochlorite	NaClO	007681-52-9	diluted	(O, C)		2/3	2/3	4/4	(3)	3/0	1/3	4/4	2/3	1/3	1/1	1/3	1/0	1/1	0/0	1/1	1/1	1/1	3/0	1/3	4/4	0/0	4/4	3/3L	2/2L	sodium oxychloride, sodium chloride oxide	
Sodium hypochlorite	NaClO	007681-52-9	15 %	O, C		2/3	2/3	4/4	2/3	(3)	1/3	4/4	2/3	1/3	1/1	1/1	0/0	1/1	1/1	1/1	1/1	3/4	3/0	1/3	4/4	0/0	4/4	3/3L	2/2L	sodium oxychloride, sodium chloride oxide	
Sodium hypochlorite	NaClO	007681-52-9	saturated	O, C		2/3	2/3	4/4	2/3	(3)	1/3	4/4	2/3	1/3	1/1	1/3	0/0	1/1	0/0	(1)	1/1	(3)	3/0	1/3	4/4	0/0	4/4	3/3L	2/2L	sodium oxychloride, sodium chloride oxide	
Sodium hypochlorite	NaClO	007681-52-9	12,5 % Cl	O, C		2/3	2/3	4/4	2/3	(3)	1/3	4/4	2/3	1/3	1/1	1/3	1/0	1/1	1/1	1/1	1/1	3/0	1/3	4/4	0/0	4/4	3/3L	2/2L	sodium oxychloride, sodium chloride oxide		
Sodium iodide	NaJ	007681-82-5	each	Xi		1/1	1/1	(2)	(1)	(1)	0/0	1/1	1/0	0/0	0/0	1/3	0/0	0/0	1/1	1/1	1/1	1/3	(1)	(1)	1/1	0/0	1/1	3/4	3/4		
Sodium metabisulfite	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	007681-57-4	each	Xn		1/1	1/1	1/0	(2)	(2)	0/0	4/4	1/1	0/0	0/0	1/3	0/0	0/0	(1)	1/1	1/1	1/0	1/0	1/0	0/0	1/0	1/1	1/1			
Sodium nitrate	NaNO <sub>3</sub>	007631-99-4	saturated	O, Xn		1/1	1/1	1/0	1/0	(1)	1/0	1/1	1/1	1/1	1/0	1/3	1/3	1/1	1/1	1/1	1/1	1/0	1/1	2/3	0/0	1/1	1/1	1/1	chile saltpeter		
Sodium nitrate	NaNO <sub>3</sub>	007631-99-4	aqueous	O, Xn		1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/0	0/0	1/1	1/1	1/1	chile saltpeter	
Sodium nitrite	NaNO <sub>2</sub>	007632-00-0	saturated	O, T		1/1	1/1	1/0	(2)	(1)	1/0	1/1	1/1	1/1	0/0	1/0	1/0	1/1	0/0	(1)	1/1	1/1	1/0	1/1	2/3	0/0	1/0	1/1	1/1	Nitrous acid, sodium salt;	
Sodium nitrite	NaNO <sub>2</sub>	007632-00-0	aqueous	O, T		1/1	1/1	1/0	(2)	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	1/0	0/0	1/0	1/1	1/1		
Sodium oxalate	C <sub>2</sub> Na <sub>2</sub> O <sub>4</sub>	000062-76-0	saturated	Xn		1/1	1/1	(1)	(1)	(1)	0/0	1/1	1/1	0/0	0/0	1/3	0/0	0/0	1/1	1/1	1/1	1/3	(1)	1/0	1/0	0/0	1/1	(2)	(2)		
Sodium perborate	NaBO <sub>2</sub> (HO) <sub>2</sub> x 3H <sub>2</sub> O	013517-20-9	saturated	(O, Xn)		1/1	1/1	4/4	(2)	0/0	0/0	2/0	1/1	1/1	0/0	1/0	3/0	1/1	0/0	(1)	1/1	1/1	1/0	1/0	3/0	0/0	1/0	1/0	1/0		
Sodium perborate	NaBO <sub>2</sub> (HO) <sub>2</sub> x 3H <sub>2</sub> O	013517-20-9	aqueous	(O, Xn)		1/1	1/1	4/4	(2)	3/0	0/0	2/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	3/0	0/0	1/0	1/0	1/0		
Sodium perchlorate	NaClO <sub>4</sub>	007601-89-0	saturated	O, Xn		1/1	1/1	(2)	(1)	(1)	0/0	1/1	1/1	0/0	0/0	1/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	(1)	0/0	1/1	1/1	1/1		
Sodium peroxide	Na <sub>2</sub> O <sub>2</sub>	001313-60-6	10 %	O, C+		0/0	1/3	4/4	(3)	(4)	0/0	4/4	2/2	0/0	0/0	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/0	1/0	3/0	0/0	4/4	1/1	1/1		
Sodium peroxide	Na <sub>2</sub> O <sub>2</sub>	001313-60-6	saturated	O, C+		0/0	3/3	4/4	(3)	(4)	0/0	4/4	2/2	0/0	0/0	1/0	0/0	0/0	0/0	0/0	1/1	1/1	1/0	1/0	(4)	0/0	4/4	(2)	(2)		
Sodium persulfate	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	007775-27-1	saturated	O, Xi		1/1	0/0	4/4	(2)	0/0	0/0	(3)	1/1	0/0	0/0	1/3	0/0	0/0	(1)	1/1	1/1	1/0	1/0	(3)	0/0	4/4	0/0	1/0			
Sodium phosphate	Na <sub>3</sub> PO <sub>4</sub> x 12H <sub>2</sub> O	010101-89-0	saturated	Xi		1/1	1/1	1/0	(2)	(1)	0/0	1/1	1/1	1/1	0/0	1/3	1/3	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1			
Sodium phosphate	Na <sub>3</sub> PO <sub>4</sub> x 12H <sub>2</sub> O	010101-89-0	aqueous	Xi		1/1	1/1	1/0	(2)	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1		
Sodium polyphosphates	(NaPO <sub>3</sub> ) <sub>6</sub>	068915-31-1	saturated	—		1/1	1/1	(2)	(2)	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	1/0	1/0	1/0	0/0	(3)	0/0	0/0			
Sodium silicate	Na <sub>2</sub> Si <sub>2</sub> O <sub>7</sub>	001344-09-8	each	C, Xn		1/1	1/1	1/0	1/0	1/0	0/0	(2)	1/1	1/0	0/0	1/3	1/4	1/1	0/0	1/1	1/1	1/3	1/0	1/0	1/1	0/0	1/1	1/1	1/1		
Sodium silicate	Na <sub>2</sub> Si <sub>2</sub> O <sub>7</sub>	001344-09-8	saturated	C, Xn		1/1	1/1	1/0	1/0	1/0	0/0	0/0	1/1	1/1	0/0	1/3	1/4	1/1	0/0	1/1	1/1	1/3	1/0	1/1	1/1	0/0	1/1	1/1	1/1	waterglass	
Sodium stearate	C <sub>18</sub> H <sub>35</sub> NaO <sub>2</sub>	000822-16-2	aqueous	(Xi)		1/1	1/1	(1)	(2)	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(2)	(1)	1/0	0/0	(1)	1/1	1/1	
Sodium sulfate	Na <sub>2</sub> SO <sub>4</sub>	007757-82-6	saturated	—		1/1	1/1	1/0	1/1	(1)	0/0	1/1	1/1	1/1	1/0	1/3	1/3	1/1	1/1	1/1	1/1	1/1	1/1	1/1	2/3	0/0	1/1	1/1	1/1		
Sodium sulfate	Na <sub>2</sub> SO <sub>4</sub>	007757-82-6	aqueous	—		1/1	1/1	1/0	1/1	(1)	0/0	1/1	1/1	0/0	1/0	1/3	1/3	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1		
Sodium sulfate	Na <sub>2</sub> SO <sub>4</sub>	007757-82-6	—	—		1/1	1/1	1/0	1/1	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	(1)	0/0	1/1	1/1	1/1		
Sodium sulfide	Na <sub>2</sub> S	001313-82-2	saturated	C		1/1	1/1	1/0	3/0	(1)	1/0	1/1	1/1	1/1	1/0	1/3	1/3	1/1	0/0	1/1	1/1	3/3	1/0	1/1	2/3	0/0	3/4	(1)	(1)		
Sodium sulfide	Na <sub>2</sub> S	001313-82-2	aqueous	C		1/1	1/1	1/0	3/0	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	1/0	0/0	3/4	1/2	1/2		
Sodium sulfite	Na <sub>2</sub> SO <sub>3</sub>	007757-83-7	saturated	Xn		1/1	1/1	1/0	(2)	(2)	1/0	1/1	1/1	1/1	0/0	1/3	1/3	1/1	0/0	(1)	1/1	1/1	1/0	1/1	2/3	0/0	1/3	1/1	1/1	Sulfurous acid, disodium salt;	
Sodium sulfoxylate	-> see: Sodium hydrosulfite																														
Sodium thiosulfate	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5H <sub>2</sub> O	010102-17-7	each	Xi		1/1	1/1	1/0	(2)	(1)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	3/3	0/0	1/1	1/1	1/1	fixer natron, "sodium hyposulfite"	
Sodium thiosulfate	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5H <sub>2</sub> O	010102-17-7	saturated	Xi		1/1	1/1	1/0	(1)	(1)	0/0	1/1	1/1	1/1	0/0	1/3	1/3	1/1	0/0	1/1	1/1	1/1	1/0	1/1	2/3	0/0	1/1	1/1	1/1	fixer natron, "sodium hyposulfite"	
Sodium thiosulfate	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5H <sub>2</sub> O	010102-17-7	aqueous	Xi		1/1	1/1	1/0	(1)	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	1/0	0/0	1/1	1/1	1/1	fixer natron, "sodium hyposulfite"	
Soft soap	—	—	diluted	?		1/3	1/1	(2-3)	(2)	(1)	0/0	1/1	1/1	0/0	0/0	1/3	0/0	0/0	0/0	1/1	1/1	(1)	(2)	(1)	1/1	0/0	(2)	(1)	(1)		
Soya oil	—	008001-22-7	—	—		0/0	0/0	(2)	(1)	1/0	0/0	2/0	1/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	4/4	1/1	0/0	(1)	1/1	1/1			
Spermaceti	—	008002-23-1	—	—		0/0	1/3	(1)	1/1	1/0	0/0	—	1/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	(1)	1/1	1/1		
Spindle oil	—	—	?	?		3/3	2/3	(2)	(2)	1/0	0/0	(2)	1/4	0/0	0/0	3/0	0/0	0/0	(1)	1/1	1/1	(4)	1/1	1/1	0/0	1/1	1/1	1/1			
Spinning bath acid	—	—	100mg CS <sub>2</sub> /l	?		1/0	0/0	4/4	(3)	0/0	0/0	4/4	1/0	0/0	0/0	1/0	0/0	0/0	(1)	1/1	1/0	(3)	(2)	4/4	0/0	(4)	3/4	2/4			
Spirit (of wine)	C <sub>2</sub> H <sub>5</sub> O	—	—	F	X	1/0	1/3	1/0	1/3	1/1	1/2	1/2	1/1	3/4	1/2	1/3	3/0	1/3	1/1	1/1	1/1	1/1	1/0	3/0	3/3	0/0	1/1	1/1	1/1	ethyl alcohol	
Spirits	C <sub>2</sub> H <sub>5</sub> O	—	—	—		1/1	1/0	1/0	1/1	1/1	0/0	1/2	1/1	0/0	1/0	1/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/1	1/1	ethyl alcohol 40 %	
Spirits of Turpentine	—	008006-64-2	—	Xn	X	2/2	3/4	1/0	4/4	1/0	3/3	1/1	4/4	4/4	4/4	2/3	4/4	3/3	1/1	1/1	1/0	1/3	4/4	1/1	3/3	0/0	1/1	1/1	1/1		
Spirits of wine																															





## Chemical resistance

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

<b>0</b>	no data available
<b>1</b>	resistant
<b>2</b>	practically resistant
<b>3</b>	partially resistant
<b>4</b>	not resistant
<b>K</b>	no general information available
<b>L</b>	danger of pitting or stress-cracking corrosion
<b>( )</b>	estimated value

## Hazard notes

<b>E</b>	explosive
<b>O</b>	oxidizing
<b>F</b>	highly flammable
<b>F+</b>	extremely flammable
<b>T</b>	toxic
<b>T+</b>	very toxic
<b>C</b>	corrosive
<b>Xn</b>	harmful
<b>Xi</b>	irritant
<b>N</b>	dangerous for the environment

## Description of the materials

### Thermoplastics

<b>HDPE</b>	Polyethylene (high density)
<b>LDPE</b>	Polyethylene (low density)
<b>PA</b>	Polyamide (Nylon)
<b>PC</b>	Polycarbonate
<b>PETG</b>	Polyethylene terephthalate glycol (PET copolymer)
<b>PMP</b>	Polymethylpentene (TPX <sup>®</sup> )
<b>POM</b>	Polyoxymethylene, polyacetal
<b>PP</b>	Polypropylene
<b>PS</b>	Polystyrene
<b>PSU</b>	Polysulfone
<b>PVC</b>	Polyvinyl chloride
<b>SAN</b>	Styrene-acrylnitrile

### Fluoroplastics

<b>E-CTFE</b>	Ethylene-chlorotrifluoroethylene (Halar <sup>®</sup> )
<b>ETFE</b>	Ethylene-tetrafluoroethylene
<b>FEP</b>	Tetrafluoroethylene-perfluoropropylene (Teflon <sup>®</sup> FEP)
<b>PTFE</b>	Polytetrafluoroethylene (Teflon <sup>®</sup> )
<b>PVDF</b>	Polyvinylidene fluoride

### Elastomers

<b>EPDM</b>	Ethylene-propylene-diene rubber	
<b>FPM</b>	Fluorinated rubber (Viton <sup>®</sup> )	?
<b>NBR</b>	Acryl-nitrile-butadiene rubber	
<b>SI</b>	Silicone rubber	?

### Metals

<b>Al</b>	Aluminium
<b>V2A</b>	Stainless steel 1.4301 (AISI 304)
<b>V4A</b>	Stainless steel 1.4401 (AISI 316)