

**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 resistance alone is not sufficient for the evaluation of the usability of a product. For example, the regulations concerning flammable liquids (explosion prevention) must also be taken into consideration.

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**Extensions, additions and translations**

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CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics																			fluoroplastics			elastomers			metals			COMMENT
						HDE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC/HART	PVC/WECH	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM	MBR	SI	AL	V2A	V4A	Hastelloy C				
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)	3/4	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	4/4	0/0	4/4	2/3	(1)	1/1	4/4	3/0	4/4	4/4	0/0	(1)	(1)	(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	1/1	1/0	4/4	1/0	0/0	(1)	(1)	(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	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	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	1/1				
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	1/1				
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	(2)	(3)	3/3	0/0	1/3	1/1	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	1/3	1/1	1/1	1/1	1/1	1/1	3/0	1/1	1/1	1/1	1/1	1/1	1/0	3/3	3/3	0/0	1/3	1/2	1/1	1/1				
Acetic acid chloride	-> see: Acetyl chloride																																	
Acetic acid sodium salt	-> see: Sodium acetate																																	
Acetic aldehyde	-> see: Acetaldehyde																																	
Acetic anhydride	C <sub>4</sub> H <sub>6</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	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	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	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)	0/0	Methyl cyanide; Cyanomethane; Ethanenitrile			
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)	0/0	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	0/0	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)	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	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	4/4	0/0	1/0	1/0	1/0	1/1	Cyanoethylene; Propenenitrile, 2-; Vinyl cyanide			
Adipic acid	C <sub>8</sub> H <sub>16</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	1/1	0/0	1/0	(2)	(2)	1/1	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	4/4	4/4	0/0	0/0	1/1	1/1	1/1	(1)	1/0	(1)	(1)	0/0	(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)	0/0	(1)	(1)	(1)						
Allyl acetate	C <sub>6</sub> H <sub>10</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	(2)	1/0	4/4	3/0	0/0	1/1	1/1	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)	(4)	(2)	4/4	0/0	0/0	4/4	4/4	0/0	0/0	(1)	(2)	1/1	4/4	(3)	4/4	0/0	1/0	(1L)	(1L)	0/0	Chloro-1-propene, 3-; Chloropropylene, 3-			
Allyl mustard oil	C <sub>8</sub> H <sub>12</sub> NS	000057-06-7		T	X	0/0	0/0	0/0	(4)	(3)	(4)	(2)	0/0	0/0	0/0	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	1/1	4/4	(1)	(2)	0/0	(1)	1/1	1/1					
Alumina acidic	C <sub>2</sub> H <sub>2</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	1/0	1/1	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)	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	0/0	0/0				
Aluminium ammonium sulfate dodecahydrate	(NH <sub>4</sub> ) <sub>2</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	0/0					
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	1/1				
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)	(3)	0/0	4/4	4/4	3/4	1/1						
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	(1)	1/1	(2)	1/0	1/1	0/0	4/4	4/4	3/4	1/1				
Aluminum hydroxide	Al(OH) <sub>3</sub>	021645-51-2		Xi		1/1	1/2	1/1	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	0/0	small solubility - no chemical effect expected			
Aluminum nitrate	Al(NO <sub>3</sub> ) <sub>3</sub>	013473-90-0	aqueous (O)	(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	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	4/4	1/0	1/0	1/1				
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	0/0	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	1/1	1/0	3/3	0/0	1/0	1/1	1/1	0/0				
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	1/1	1/0	3/3	0/0	1/0	(1)	(1)	0/0				
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	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	1/1				
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</																				

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/FKM	NR	SI	AL	V2A	V4A	Hastelloy C	
Ammonium difluoride	F <sub>2</sub> H <sub>2</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	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> ) <sub>2</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	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)	(2)	0/0	(3)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(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	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	0/0	0/0	1/1	1/1	1/1	1/0	2/3	1/1	0/0	(4)	1/3	1/3	1/1	
Ammonium glycolate	C <sub>2</sub> H <sub>2</sub> NO <sub>3</sub>	035249-89-9		(Xi)		1/1	1/2	(1)	2/3	(2)	1/2	(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)	(2)		Acetic acid	
Ammonium heptamolybdate	(NH <sub>4</sub> ) <sub>7</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	1/1	0/0	0/0	0/0	1/1	0/0	1/1	1/1	(1)	1/0	(3)	(1)	0/0		(1)	(1)	0/0		
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	1/1		
Ammonium hydroxide	NH <sub>3</sub> + H <sub>2</sub> O	001336-21-6	5 %	Xi		1/1	1/1	(2)	3/4	(2)	1/1	1/2	1/1	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	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	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	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	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/0	2/2	1/1	0/0	(2)	1/1	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>2</sub> N <sub>2</sub> O <sub>4</sub>	014258-49-2		Xn		1/1	1/2	(1)	1/1	(2)	1/2	(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	0/0		
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	0/0	1/1	1/1	1/1	1/0	(3)	4/4	0/0	4/4	(4)	3/4	0/0		
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	0/0	1/1	1/1	1/1	1/0	(3)	4/4	0/0	4/4	(4)	3/4	0/0		
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)	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	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	1/1		
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)	(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	0/0	1/1	1/1	1/1	1/0	(3)	3/3	0/0	1/1	(1)	(1)	1/1		
Ammonium sulfocyanide	-> see: Ammonium thiocyanate																															
Ammonium thiocyanate	CH <sub>3</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)	(1)		Ammonium sulfocyanide; Ammonium rhodanide; Thiocyanic acid, Ammonium salt; Ammonium sulfocyanate	
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>7</sub> H <sub>14</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	1/3	3/4	4/4	4/4	0/0	1/1	1/1	1/1	0/0		
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	0/0		
Amyl cinnamic aldehyde	C <sub>11</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>5</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	1/1		
Aniline hydrochloride	C <sub>6</sub> H <sub>5</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	0/0	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	4/4	0/0	(1)	(1)	(3)	4/4	(3)	4/4	0/0	(1)	(1)	(1)	0/0			
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)	0/0			
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	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)	0/0		
Antimony trichloride	SbCl <sub>3</sub>	010025-91-9	90 %	C		1/1	1/1	4/4	1/0	0/0	4/4	1/1	0/0	0/0	1/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	3/0	0/0	4/4	4/4	4/4	0/0			
Antimony trichloride	SbCl <sub>3</sub>	010025-91-9	anhydrous	C		0/0	0/0	4/4	1/0	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	1/0	1/1	3/0	0/0	4/4	4/4	4/4				
Apple juice	—	—		—		1/1	1/1	(1)	1/0	0/0	(2)	1/1	1/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	(1)	(1)	(1)	(1)			
Arsenic acid	H <sub>3</sub> AsO <sub>4</sub>	022538-92-7	aqueous	T, N		1/1	0/2	(3)	1/0	0/0	0/0	4/4	1/1	1/1	0/0	1/3	3/0	0/0	1/1	1/1	1/1	1/1	1/0	2/2	1/1	0/0	4/4	1/0	1/1	1/1		
Arsenic acid	H <sub>3</sub> AsO <sub>4</sub>	022538-92-7		T, N		1/1	0/2	(3)	1/0	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/FKM	NR	SI	AL	V2A	V4A	Hastelloy C
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)	1/0	(1)	1/1	(1)	1/1	1/3		
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	1/3		
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)	1/1		
Battery acid	H <sub>2</sub> SO <sub>4</sub>	007864-93-9	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	1/1	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)	0/0		
Beer	—	—		—	1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/0	0/0	1/1	1/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	0/0	1/1	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	0/0	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	0/0	Cyclohexatriene; Benzol
Benzene chloride	-> see: Chlorobenzene																														
Benzenesulfonic acid	C <sub>6</sub> H <sub>5</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	0/0		
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	3/0	1/1	3/0	0/0	1/2	1/1	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	1/1		
Benzoic acid chloride	-> see: Benzoyl 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)	0/0	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	3/0	1/0	4/4	0/0	1/1	1/1	1/1	3/3			
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	(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	0/0			
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)	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	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	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)	0/0	2/0	1/3	0/0	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	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	1/0	1/1	1/1	0/0	1/2	1/1	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	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	(1)	(2)	(4)	(2)	4/4	0/0	(4)	(4)	(4)	(4)	0/0			
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	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)	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	0/0	3/4	0/0	0/0	0/0	0/0	1/1	1/1	4/4	(2-3)	4/4	0/0	(4)	4/4	4/4	0/0			
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	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	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	1/0	(3)	0/0	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+, T	X	3/4	4/4	1/0	4/4	1/0	4/4	(2)	4/4	4/4	3/4	0/0	0/0	1/1	1/1	1/1	1/1	4/4	3/0	4/4	0/0	1/1	(1)	1/1	4/4		
Butanal	-> see: Butyraldehyde																														
Butane	C <sub>4</sub> H <sub>10</sub>	000106-97-8	techn. pure	F+	X	1/0	1/1	1/0	1/0	1/0	1/0	2/0	1/1	4/4	1/0	1/0	3/0	1/0	0/0	1/1	1/1	1/0	4/4	1/0	1/0	0/0	1/1	(1)	(1)	1/1	
Butanedicarboxylic acid,																															





CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroplastics		elastomers		metals		COMMENT										
						HDP	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC/HART	PVC/WECH	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM		NR	SI	AL	V2A	V4A	Hastelloy C				
Coconut fatty alcohol	—	068425-37-6	techn. pure	(X)	1/0	0/0	(1)	(2)	1/0	0/0	(2)	1/3	0/0	0/0	1/3	0/0	0/0	0/0	(1)	1/1	1/1	3/0	1/1	1/1	0/0	(1)	1/1	1/1							
Coconut oil	—	008001-31-8	techn. pure	—	1/3	1/3	1/0	(2)	1/0	0/0	(2)	1/1	0/0	0/0	1/3	0/0	0/0	0/0	(1)	1/1	1/1	4/4	1/1	1/1	0/0	(1)	1/1	1/1							
Cod-liver oil	—	008001-69-2	—	—	1/3	1/3	(2)	1/0	(2)	0/0	(2)	1/3	1/1	0/0	1/0	0/0	1/1	0/0	(1)	1/1	1/1	3/0	1/0	1/0	0/0	1/0	(1)	(1)	1/1						
Colza oil	—	008002-13-9	—	—	0/0	0/0	(2)	(2)	1/0	0/0	(2)	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	1/3	0/0	(1)	1/1	1/1							
Compressed air	—	—	oleagineus	—	1/0	0/0	(2)	(2)	(1)	0/0	(1)	3/0	0/0	0/0	3/0	0/0	0/0	0/0	(1)	1/1	1/1	(3)	(1)	(2)	0/0	1/1	1/1	1/1							
Condy's crystals	-> see: Potassium permanganate																																		
Copper acetate	C <sub>4</sub> H <sub>6</sub> CuO <sub>4</sub>	004180-12-5	aqueous	Xn	1/1	1/1	(3)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	(3)	3/3	0/0	4/4	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	verdigris
Copper sulfate	CuSO <sub>4</sub> x 5H <sub>2</sub> O	007758-99-8	aqueous	Xn	1/1	1/1	1/0	1/0	(2)	1/0	1/0	1/1	1/0	1/3	1/0	1/1	1/1	1/1	(1)	1/1	1/1	1/0	1/1	2/0	0/0	4/4	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	blue stone
Cotton oil	—	008001-29-4	techn. pure	?	0/0	0/0	1/0	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	3/0	1/0	1/0	0/0	(1)	1/1	1/1							
Creosote	—	—	(T)	—	1/1	1/1	3/0	(3)	0/0	0/0	(3)	3/4	0/0	1/0	3/0	4/4	0/0	0/0	(1)	1/1	(3)	4/4	(3)	1/0	0/0	(2)	1/1	1/1	0/0						
Creosote	-> see: Carbolinum																																		
Cresol (-mixtures)	C <sub>7</sub> H <sub>8</sub> O	001319-77-3		T, C	3/4	4/4	4/4	4/4	4/4	4/4	4/4	2/3	4/4	4/4	4/4	4/4	3/4	1/2	1/1	1/1	1/1	4/4	1/0	4/4	0/0	1/1	1/0	1/0	1/0	1/1					
Crotonaldehyde	C <sub>6</sub> H <sub>8</sub> O	004170-30-3	techn. pure	F, T	X	1/0	0/0	(2)	(4)	0/0	(4)	(2)	1/0	0/0	0/0	4/4	0/0	0/0	(1)	1/0	1/3	1/0	3/0	4/4	0/0	1/0	1/1	1/1	0/0						
Crude oil	—	—	100 %	(N)	0/0	1/3	1/0	(3)	1/0	0/0	1/0	1/3	3/0	1/0	1/0	3/0	0/0	0/0	(1)	1/1	1/1	4/4	1/0	3/3	0/0	(2)	(1)	(1)							
Cumene	C <sub>9</sub> H <sub>12</sub>	000098-82-8		Xi	X	2/3	3/4	(2)	4/4	0/0	4/4	(2)	3/4	4/4	4/4	4/4	0/0	0/0	1/2	1/1	(1)	(2)	4/4	1/0	4/4	0/0	1/1	1/1	1/1	0/0					
Cupric chloride	CuCl <sub>2</sub>	007447-39-4	saturated	Xn	1/3	1/1	(3)	1/0	(2)	1/0	(2)	1/3	0/0	0/0	1/1	1/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	1/0	0/0	4/4	4/4	4/4	1/1						
Cupric nitrate	Cu(NO <sub>3</sub> ) <sub>2</sub>	003251-23-8	saturated	O, Xn	1/1	1/1	1/0	(2)	1/0	1/0	1/1	1/0	0/0	1/0	1/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	4/4	1/1	1/1	1/1							
Cupric nitrate	Cu(NO <sub>3</sub> ) <sub>2</sub>	003251-23-8	aqueous	O, Xn	0/0	0/0	(3)	(2)	(2)	0/0	1/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	1/0	0/0	4/4	1/1	1/1	1/1						
Cuprous chloride	CuCl	007758-89-6	aqueous	Xn	0/0	0/0	(3)	(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	1/1	1/0	0/0	4/4	4/4	4/4	1/1						
Cuprous cyanide	CCuN	000544-92-3	saturated	T	1/1	1/1	(2)	(2)	0/0	(1)	1/3	0/0	0/0	1/0	1/0	0/0	0/0	(1)	1/1	1/1	1/0	1/1	1/0	0/0	(3)	1/1	1/1								
Curry	—	—	—	?	0/0	0/0	(2)	(2)	(2)	0/0	(1)	(2)	3/3	0/0	0/0	0/0	1/1	0/0	1/1	(1)	(1)	(2)	(2)	(2)	0/0	(1)	(1)	(1)						possibility of discoloration	
Cyanoethylene	-> see: Acrylonitrile																																		
Cyanomethane	-> see: Acetonitrile																																		
Cyclanon	—	—		(Xn, 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	0/0	(1)	1/1	(1)	(2)	(2)	1/1	0/0	3/4	(1)	(1)	0/0					appliances for dyeing-mill; BASF	
Cyclohexane	C <sub>6</sub> H <sub>12</sub>	000110-82-7		F	X	3/4	3/4	1/0	3/3	1/0	4/4	1/1	3/4	4/4	4/4	2/3	1/0	1/3	1/2	1/1	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1	0/0					
Cyclohexanol	C <sub>6</sub> H <sub>12</sub> O	000108-93-0	techn. pure	Xn	1/1	1/1	1/1	3/0	0/0	1/2	1/0	1/3	3/3	1/0	1/1	4/4	1/3	0/0	(1)	1/1	1/3	4/4	4/4	3/3	0/0	1/1	(1)	(1)	0/0						
Cyclohexanone	C <sub>6</sub> H <sub>10</sub> O	000108-94-1	techn. pure	Xn	X	1/3	3/4	1/0	4/4	(4)	3/4	1/0	2/4	4/4	4/4	4/4	4/4	0/0	(1)	1/1	1/3	4/4	4/4	4/4	0/0	1/0	(1)	(1)	0/0						
Cyclohexatriene	-> see: Benzene																																		
Cymene, p-	C <sub>10</sub> H <sub>14</sub>	000099-87-6		F, Xn/Xi	X	0/0	0/0	(2)	4/4	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	1/0	4/4	0/0	1/1	1/1	1/1	0/0						
DDT (emulsion)	C <sub>14</sub> H <sub>9</sub> Cl <sub>5</sub>	000050-29-3		T	0/0	0/0	(2)	(3)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(2)	(3)	(3)	0/0	(2)	(2)	(2)	0/0						
Decahydronaphthalene	C <sub>10</sub> H <sub>18</sub>	000091-17-8		Xn	1/3	3/4	1/0	4/4	3/0	4/4	1/0	3/4	4/4	4/4	1/2	3/0	3/4	1/1	1/1	1/1	1/1	4/4	1/1	4/4	0/0	1/1	(1)	(1)	0/0						
Decane	C <sub>10</sub> H <sub>22</sub>	000124-18-5		Xn	X	0/0	0/0	(1)	(2)	(1)	(3)	1/1	(3)	0/0	0/0	0/0	0/0	0/0	1/1	(1)	(1)	4/4	1/0	3/3	0/0	1/1	(1)	(1)							
Dehydroacetic acid	C <sub>8</sub> H <sub>8</sub> O <sub>4</sub>	000520-45-6		Xn	0/0	0/0	(3)	(2)	0/0	0/0	(3)	(2)	0/0	0/0	0/0	1/1	0/0	1/1	1/1	(1)	(2)	(2)	(2)	0/0	(4)	(1)	(1)								
Densodrin W	—	—	aqueous	?	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	(1)	1/1	1/0	0/0	0/0	1/0	0/0	0/0	0/0	0/0						appliance for moisture-proofing of leather; BASF	
Desiccator fat	—	—	—	—	0/0	1/3	1/0	(2)	(1)	0/0	(1)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(1)	(3)	(2)	(2)	0/0	(1)	(1)	(1)							
Desmodur 44	C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	000101-68-8		Xn	0/0	0/0	0/0	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(2)	0/0	4/4	0/0	(1)	(1)	(1)							
Developer for fotos	—	—	—	?	1/3	1/1	4/4	(2)	1/0	0/0	1/3	1/2	0/0	1/0	1/3	1/0	0/0	0/0	(1)	1/1	1/1	3/0	1/0	1/0	0/0	1/1	1/0	1/0							
Developer liquids	—	—	—	?	1/1	1/1	4/4	1/0	1/0	0/0	1/0	1/1	0/0	1/0	1/1	1/0	0/0	0/0	0/0	1/1	(1)	2/0	1/0	3/3	0/0	1/1	1/0	1/0	0/0						
Dextrin	(C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub> x H <sub>2</sub> O	009004-53-9	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	1/1	1/1	1/1	1/1	
Diacetone alcohol	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	000123-42-2		Xi	X	0/0	0/0	(3)	(3)	0/0	0/0	1/0	2/2	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	1/0	4/4	4/4	0/0	(2)	(1)	(1)							
Diamine	-> see: Hydrazine																																		
Diaminoethane	C <sub>2</sub> H <sub>6</sub> N <sub>2</sub>	000107-15-3	techn. pure	C, Xn	X	1/1	1/3	1/0	(3)	0/0	1/0	1/0	1/1	0/0	0/0	3/0	4/4	0/0	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/FKM	NR	SI	AL	V2A	V4A	Hastelloy C	
Dichlorodifluoromethane	CCl <sub>2</sub> F <sub>2</sub>	000075-71-8		N		4/4	3/4	1/0	4/4	0/0	0/0	1/0	4/4	4/4	1/0	2/0	4/4	3/3	0/0	3/3	1/0	3/4	3/0	3/0	3/3	0/0	(3)	0/0	0/0	0/0		
Dichloroethane	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	—		F, T	X	3/3	2/4	3/0	4/4	4/4	4/4	1/0	3/4	4/4	4/4	4/4	4/4	1/1	1/1	1/1	1/1	4/4	3/0	4/4	0/0	1/3	1/1L	1/1L	?	isomer not indicated in the source		
Dichloroethylene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	—	techn. pure	F+, Xn	X	4/4	4/4	3/0	(4)	4/4	(4)	4/4	3/0	4/4	0/0	4/4	4/4	0/0	(1)	1/0	1/1	4/4	3/4	4/4	0/0	(3)	1/1L	1/1L	?	isomer not indicated in the source		
Dichlorofluoromethane	CHCl <sub>2</sub> F	000075-43-4	100 %	N		0/0	3/0	1/0	3/0	0/0	0/0	1/0	4/4	4/4	3/0	4/4	4/4	3/3	0/0	(3)	1/0	(3)	4/4	4/4	4/4	0/0	(3)	0/0	0/0			
Dichlorohexafluorocyclobutane	C <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub>	000356-18-3		?		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	(3)	1/0	0/0	(3)	0/0	0/0				
Dichloroisopropyl ether	C <sub>6</sub> H <sub>12</sub> Cl <sub>2</sub> O	—		(Xn)		(4)	(4)	(2)	(3)	0/0	(4)	(3)	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	4/4	4/4	4/4	0/0	(3)	0/0	0/0		isomer not indicated in the source	
Dichloropropane	C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	—	100 %	F, T/Xn	X	0/0	0/0	(3)	-4	(4)	(4)	(2)	4/4	4/4	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	4/4	(3)	4/4	0/0	(3)	0/0	0/0	0/0	isomer not indicated in the source	
Dichlorotetrafluoroethane	C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	000076-14-2		?		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	3/0	1/0	0/0	(3)	0/0	0/0				
Dicyclohexyl phthalate	C <sub>20</sub> H <sub>26</sub> O <sub>4</sub>	000084-61-7	techn. pure	(Xn)		0/0	0/0	(1)	(3)	0/0	0/0	(2)	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	0/0	(3)	4/4	4/4	0/0	(1)	(1)			plasticiser	
Dicyclohexylamine (DCHA)	C <sub>12</sub> H <sub>22</sub> N	000101-83-7		C, Xn		0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	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)				
Diesel fuel	—	—		Xn, N		1/3	0/0	1/1	3/3	1/1	0/0	1/1	1/3	0/0	0/0	1/0	0/0	0/0	0/0	(1)	1/1	1/1	4/4	1/0	1/1	0/0	1/1	(1)	(1)	0/0		
Diesel fuel for heating	—	—		Xn		3/3	3/4	1/0	3/3	1/0	2/3	1/1	1/3	3/4	1/2	1/1	3/3	1/1	1/1	1/1	1/1	1/1	4/4	1/1	1/1	0/0	1/1	1/1	1/1	1/1		
Diesel oil	—	068334-30-5	100 %	(Xn)		1/3	1/4	1/1	3/3	1/1	0/0	1/1	1/3	3/4	0/0	1/3	3/3	1/1	0/0	(1)	1/1	1/1	4/4	1/1	1/1	0/0	1/1	(1)	(1)	0/0		
Diethanolamine (DEA)	C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub>	000111-42-2	100 %	Xi		0/0	1/0	(2)	(3)	0/0	0/0	(2)	1/2	1/0	0/0	0/0	0/0	1/1	0/0	(1)	1/0	1/3	3/0	(3)	4/4	0/0	1/1	(1)	(1)	0/0		
Diethyl ethyl	C <sub>8</sub> H <sub>18</sub> O	000060-29-7	techn. pure	F+, Xn	X	3/4	4/4	1/1	4/4	1/0	4/4	1/2	4/4	4/4	4/4	4/4	4/4	1/2	1/1	1/1	1/4	4/4	4/4	4/4	0/0	1/1	1/1	1/1	0/0			
Diethyl ketone	-> see: Pentanone, 3-																															
Diethyl malonate	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	000105-53-3		Xi		1/1	1/1	(2)	3/4	0/0	1/2	(2)	1/1	4/4	3/3	2/4	0/0	0/0	1/1	1/1	(1)	(3)	(2)	(4)	(3)	0/0	(1)	(1)				
Diethyl sebacate	C <sub>18</sub> H <sub>36</sub> O <sub>4</sub>	000110-40-7		Xi		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)	2/0	3/0	4/4	0/0	(1)	(1)				plasticiser	
Diethyl succinate	C <sub>8</sub> H <sub>16</sub> O <sub>4</sub>	000123-25-1		—		0/0	0/0	(2)	(4)	0/0	0/0	(3)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(2)	4/4	4/4	0/0	(1)	(1)					
Diethylamine	C <sub>4</sub> H <sub>11</sub> N	000109-89-7	techn. pure	F, C, Xn	X	0/0	0/0	(2)	(3)	0/0	0/0	(2)	1/2	0/0	0/0	3/0	0/0	0/0	(1)	1/0	1/4	2/0	4/4	4/4	0/0	(1)	1/1	1/1	0/0			
Diethylbenzene	C <sub>10</sub> H <sub>14</sub>	000135-01-3		Xi		3/4	4/4	(1)	3/4	0/0	4/4	(2)	4/4	4/4	4/4	0/0	0/0	1/2	1/1	(1)	(2)	4/4	1/0	4/4	0/0	1/1	1/1	1/1				
Diethylene glycol	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	000111-46-6		T		1/1	1/1	3/0	2/3	0/0	1/1	(2)	1/1	2/2	2/2	3/4	0/0	1/1	1/1	1/1	(2)	1/0	1/0	3/0	0/0	1/1	(1)	(1)	0/0			
Diethylene glycol ether	—	—		(Xn)		1/1	1/1	3/0	3/4	0/0	1/1	(2)	1/1	4/4	3/3	3/4	0/0	0/0	1/1	1/1	(1)	(2)	3/0	(3)	3/3	0/0	(1)	(1)				
Difluoroethane	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub>	000075-37-6		(E), F+		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	4/4	1/0	0/0	(3)	0/0	0/0				
Difluoromethane	CH <sub>2</sub> F <sub>2</sub>	000075-10-5		?		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	4/4	1/0	0/0	(3)	0/0	0/0				
Diglycolic acid	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>	000110-99-6	aqueous	Xn		1/1	1/1	(3)	(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)	1/0	1/1	4/4	0/0	3/4	1/4	1/4	1/1		
Diglycolic acid	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>	000110-99-6	30 %	Xn, Xi		1/1	1/1	(3)	1/0	(2)	0/0	(3)	1/1	0/0	0/0	1/3	0/0	0/0	0/0	1/1	1/1	1/0	1/0	1/1	4/4	0/0	3/4	1/4	1/4	1/1		
Diisobutyl ketone	C <sub>8</sub> H <sub>16</sub> O	000108-83-8	techn. pure	Xi	X	1/4	1/3	(3)	(3)	(4)	(4)	1/0	1/4	0/0	0/0	4/4	0/0	0/0	(1)	1/1	1/3	3/0	4/4	4/4	0/0	(1)	(1)				plasticiser	
Diisobutylene (DIB)	C <sub>8</sub> H <sub>16</sub>	025167-70-8		F	X	0/0	0/0	(1)	(3)	(2)	(4)	(1)	1/2	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	0/0	4/4	1/0	3/3	0/0	1/1	1/1	1/1			
Diisopropyl ether	C <sub>6</sub> H <sub>14</sub> O	000108-20-3	techn. pure	F	X	3/4	3/4	4/4	(4)	1/0	(4)	(1)	3/4	4/4	1/0	4/4	4/4	0/0	0/0	(1)	1/1	1/3	4/4	4/4	4/4	0/0	1/1	(1)	(1)	0/0		
Di-isopropyl ketone	C <sub>7</sub> H <sub>14</sub> O	000565-80-0		F	X	0/0	0/0	(3)	(3)	(4)	0/0	1/0	(3)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	1/0	4/4	4/4	0/0	(1)	(1)					
Dimethyl ether	C <sub>2</sub> H <sub>6</sub> O	000115-10-6	gas	F+	X	0/0	3/0	1/0	(3)	1/0	0/0	(2)	4/4	4/4	0/0	3/0	4/4	0/0	0/0	1/0	(3)	3/0	4/4	4/4	0/0	1/1	(1)	(1)	0/0			
Dimethyl formamide (DMF)	C <sub>2</sub> H <sub>5</sub> NO	000068-12-2		T, F	X	1/1	1/3	1/0	4/4	1/0	1/1	1/2	1/1	4/4	4/4	3/4	0/0	4/4	2/2	1/1	1/1	4/4	2/0	4/4	4/4	0/0	(1)	1/1	1/1	1/1		
Dimethyl ketone	-> see: Acetone																															
Dimethyl phthalate (DMP)	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	000131-11-3	100 %	(Xn)		4/4	1/3	(2)	4/4	0/0	0/0	(2)	2/3	4/4	0/0	4/4	4/4	4/4	0/0	(1)	1/1	(2)	3/0	2/0	4/4	0/0	(1)	(1)	(1)	0/0		plasticiser
Dimethyl sulfoxide (DMSO)	C <sub>2</sub> H <sub>6</sub> SO	000067-68-5		Xi		1/1	1/1	(2)	4/4	0/0	1/1	1/0	1/1	1/2	4/4	4/4	0/0	0/0	1/2	1/1	(1)	(3)	(3)	(3)	(4)	0/0	(1)	(1)				
Dimethylacetone	-> see: Pentanone, 3-																															
Dimethylamine	C <sub>2</sub> H <sub>7</sub> N	000124-40-3	techn. pure	F+, Xn	X	1/3	1/3	1/0	4/4	0/0	0/0	(2)	1/3	0/0	0/0	3/4	4/4	0/0	0/0	(1)	1/1	3/0	3/0	4/4	4/4	0/0	(1)	(1)	1/1			
Dimethylaniline	C <sub>8</sub> H <sub>9</sub> N	—		T		0/0	0/0	(3)	4/4	0/0	0/0	(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)				isomer not indicated in the source	
Dinitro ethylene glycol	C <sub>2</sub> H <sub>4</sub> (NO <sub>2</sub> ) <sub>2</sub>	000628-96-6	diluted	(E, T+)		0/0	0/0	(3)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	4/4	4/4	0/0	(1)	(1)	(3)	1/0	1/0	4/4	0/0	0/0	(1)	(1)	0/0			
Dinonyl phthalate (DNP)	C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	000084-76-4	techn. pure	Xn		3/0	0/0	(2)	3/0	0/0	0/0	(2)	1/3	0/0	0/0	4/4	0/0	0/0	(1)	1/0	(2)	(3)	4/4	4/4	0/0	(1)	(1)				plasticiser	
Diocetyl adipate	C <sub>22</sub> H <sub>42</sub> O <sub>4</sub>	000103-23-1		?		0/0	0/0	(2)	(3)	0/0	0/0	(2)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(2)	(3)	(3)	4/4	0/0	(1)	(1)				plasticiser	
Diocetyl phthalate (DOP)	C <sub>22</sub> H <sub>38</sub>																															

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	thermoplastics													fluoroplastics			elastomers			metals			COMMENT				
					FLAMMABLE	HDPF	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC/HART	PVC/WECH	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM	MBR	SI		AL	V2A	V4A	Hastelloy C
Emulsifiers	—	—	—	?	0/0	0/0	(2)	(4)	0/0	(3)	(2)	(3)	0/0	0/0	0/0	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	0/0	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	0/0	0/0	
Epichlorhydrin	C <sub>3</sub> H <sub>7</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	0/0	(1)	1/0	(3)	3/0	4/4	4/4	0/0	(3)	0/0	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	0/0	0/0	(1)	(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	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)	(1)	1/0	
Ethyl acrylate	C <sub>8</sub> H <sub>8</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	0/0	1/1	1/0	3/0	4/4	4/4	4/4	0/0	(1)	(1)	(1)	1/0	
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	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	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	1/2	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	1/1	
Ethyl aldehyde	-> see: Acetaldehyde																														
Ethyl benzoate	C <sub>8</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	0/0	
Ethyl cyanoacetate	C <sub>4</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)	0/0	
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	0/0	(1)	(1)	(3)	(3)	(4)	4/4	0/0	(1)	(1)	(1)		
Ethyl lactate	C <sub>6</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	0/0	(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	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	2/3	1/1	1/0	1/1	4/4	(2)	4/4	0/0	(1)	(1)	(1)	0/0		
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)	0/0	
Ethylene dibromiden (EDB)	C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub>	000106-93-4	—	T		(4)	(4)	(2)	(4)	(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	1/0	1/2	1/1	0/0	1/1	1/1	1/1	1/1	1/1	
Ethylene glycol monobutyl ether	C <sub>4</sub> H <sub>10</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)	0/0	
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	0/0	1/1	1/0	1/1	3/0	4/4	4/4	0/0	(1)	(1)	(1)	0/0		
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	(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	3/0	4/4	4/4	0/0	(1)	(1)	(1)	0/0		
Ethylene glycol monomethyl ether oleate	C <sub>21</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)	0/0	Kapsolat; Methoxyethyl oleate; Methyl cellosolveat oleate; 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	1/1	4/4	4/4	0/0	1/1	(1)	(1)	0/0	
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	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)	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	1/1	1/1	1/1	1/0	1/0	(1)	(1)	(1)	(1)	0/0		
Exhaust gases, containing hydrochloric acid	—	—	each	?		1/1	0/0	(3)	0/0	0/0	(4)	1/1	0/0	0/0	1/1	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	3/0	0/0	(4)	2/2L	2/2L	3/3		
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	0/0	(4)	(2)	(2)	1/1		
Exhaust gases, containing nitrose	—	—	small	?		1/1	0/0	(3)	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	(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	0/0		
Exhaust gases, containing sulfur trioxide	—	—	small	?		1/1	0/0	(4)	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)	0/0		
Exhaust gases, containing sulfuric acid	—	—	each	?		1/1	0/0	(4)	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)	0/0		
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															







CHEMICALS	thermoplastics										fluoroplastics			elastomers			metals			COMMENT												
	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC-HART	PVC-WEICH	SAN	ECTFE / ETFE		FEP	PTFE	PVDF	EPDM	FPM / FKM	NR	SI	AL	V2A	V4A	Hastelloy C	
Lactic acid	C <sub>3</sub> H <sub>5</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	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	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	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	1/1	0/0	
Lanolin	—	008006-54-0	techn. pure	—		3/3	3/3	1/0	1/0	1/0	0/0	2	3/3	1/0	0/0	3/3	3/3	1/1	0/0	1	1/1	1/1	4/4	1/1	0/0	1	1/1	1/1	0/0	1	1/1	1/1
Lard	—	—	—	—		0/0	0/0	2	1	1/0	0/0	2	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	0/0	1	1/1	1	3	1	2	0/0	2	1	1	1	1	dispersion of rubber
Laurel	—	—	ground	?		0/0	0/0	2	2	2	0/0	2	2	1/1	0/0	0/0	1/1	0/0	1	1	1	2	1	2	0/0	1	1	1	1	1	—	
Lauryl alcohol	C <sub>12</sub> H <sub>25</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	1/1	1/1	1/1	3/0	1/0	3/3	0/0	1	1	1	1	1	0/0	
Lauryl chloride	C <sub>12</sub> H <sub>25</sub> Cl	000112-52-7	100 %	(Xi)		0/0	0/0	2	3	0/0	0/0	2	3	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	0/0	0/0	—	
Lavender oil	—	008000-28-0	—	(Xi)		0/0	0/0	2	3	0/0	4	2	3	0/0	0/0	0/0	0/0	0/0	1	1	1	2	4/4	1/0	3/0	0/0	1	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	0/0	1/1	0/0	1/1	1/1	1/1	1/1	1/1	1/0	2/2	3/0	0/0	4/4	1/1	1/1	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	0/0	1/1	1/1	1/1	1/0	2/2	2/2	0/0	4/4	1/1	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	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/0	1/0	1/0	1/1	—	
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	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/0	1/0	1/0	1/1	—	
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	0/0	0/0	1/1	1/1	1/1	1/1	1	2	1	2	0/0	1	1	1	1	1	—	
Lead sulfate	PbSO <sub>4</sub>	007446-14-2	—	(T, N)		1/1	1/1	2	1	1	0/0	1	1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	2	0/0	1	1	1	0/0	—	
Lead tetraethyl (TEL)	C <sub>8</sub> H <sub>20</sub> Pb	000078-00-2	techn. pure	T+	X	1/0	1/0	1/4	3/0	2	4	2	24	0/0	0/0	1/0	0/0	0/0	1	1/0	1/1	4/4	1/0	3/0	0/0	2	1	1	1	1	—	
Lemon juice	—	—	—	—		1/1	1/1	1/0	1/0	2	0/0	1/0	1/1	0/0	0/0	0/0	0/0	0/0	1	1/1	1	1	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	3/3	0/0	1/0	1	2	4/4	2	3/3	0/0	1/1	1	1	1	1	—	
Lemongrass oil	—	008007-02-1	—	(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	1	1	—	
Ligroin	—	008032-32-4	—	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	1/1	1/1	—	
Lime chloride	[3 x CaCl(OCl) + C <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	1/1	1/1	—	
Lime chloride	[3 x CaCl(OCl) + C <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	1/1	0/0	1	1/1	1/1	1/0	1/1	4/4	0/0	4/4	2/0L	2/0L	1/1	1/1	—	
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	1/1	1/1	—	
Linseed oil	—	008001-26-1	techn. pure	—		1/1	1/3	1/0	1/0	1/0	1/0	1/1	1/1	1/1	0/0	1/3	1/0	1/1	0/0	1	1/1	1/1	4/4	1/1	1/1	0/0	1	1	1	1	—	
Liqueurs	—	—	—	—		1/0	0/0	2	1/0	1/0	0/0	2	1/0	0/0	0/0	1/0	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	1	1	1	0/0	1	1	1	0/0	0/0	
Lube oils	—	—	—	?		1/3	2/3	2-3	1	2	0/0	2	3	0/0	0/0	1/1	1/3	0/0	0/0	1	1/1	1/1	4/4	1/1	1/0	0/0	1/1	1/1	1/1	0/0	—	
Lysol	—	—	—	T		0/0	0/0	4	3	0/0	0/0	3	1/3	0/0	0/0	0/0	0/0	0/0	1	1	2	3	3	3	0/0	3	1/1	1/1	1/1	1/1	—	
Machine oil	—	—	100 %	?		0/0	1/4	1	2	1/0	0/0	1/1	1/3	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	1/1	1/1	1/1	—	
Magnesium bromide	MgBr <sub>2</sub>	007789-48-2	—	Xi		1/1	1/1	2	2	1	0/0	1/1	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1	2	0/0	3	0/0	0/0	0/0	0/0	0/0	—	
Magnesium carbonate	MgCO <sub>3</sub>	000546-93-0	saturated	—		1/1	1/1	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	1/1	1/1	1/1	1/1	1/1	1/1	1/1	—
Magnesium chloride	MgCl <sub>2</sub>	007786-30-3	aqueous	Xi		1/1	1/1	1/0	1/0	1/0	1/2	1/1	1/1	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	1/0L	1/0L	1/1	—
Magnesium chlorite	Mg(ClO <sub>2</sub> ) <sub>2</sub>	??	—	O		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	1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	0/0	0/0	0/0	0/0	—	
Magnesium hydroxide	Mg(OH) <sub>2</sub>	001309-42-8	saturated	—		1/1	1/1	1/0	2	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	2/0	1/1	1/1	1/1	1/1	1/1	0/0	—		
Magnesium iodide	MgJ <sub>2</sub>	010377-58-9	—	(Xn)		1/1	1/1	2	2	2	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	—	
Magnesium nitrate	Mg(NO <sub>3</sub> ) <sub>2</sub>	010377-60-3	saturated	O, Xi		1/1	1/1	1/0	2	1	1/0	1/1	1/1	1/0	0/0	1/1	1/0	0/0	1	1/1	1/1	1/1	1/1	1/1	1	2	0/0	1/0	1/0	1/0	1/1	Nitric acid, magnesium salt;
Magnesiumsulfat	MgSO <sub>4</sub>	007487-88-9	each	?		1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	2/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	—	
Maize-germ oil	—	008001-30-7	techn. pure	—		1/3	0/0	2	1	1/0	0/0	2	1/3	1/1	0/0	3/0	0/0	1/1	0/0	1	1/1	1/1	4/4	1/1	1/0	0/0	1	1	1	1	—	
Maleic acid	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	000110-16-7	saturated	Xn		1/1	1/1	4/4	3	0/0	0/0	3	1	0/0	0/0	1/3	1/0	0/0	1/1	1/1	1/1	1/1	4/4	1/1	4/4	0/0	1/1	1/1	1/1	1/1	—	
Maleic acid	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	000110-16-7	aqueous	Xn		1/1	1/1	4/4	3	0/0	0/0	3	1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	4/4	1/1	1/0	0/0	1/1	1/1	1/1	1/1	—	
Margarine	—	—	—	—		0/0	0/0	2	1/0	1/0	0/0	2	1	1/0	0/0	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	—	
Menthol	C <sub>10</sub> H <sub>20</sub> O	000089-78-1	solid	Xi		1/3	3/4	3/0	3/4	0/0	0/0	2	1/3	4/4	0/0	0/0	0/0	0/0	1	1/												

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	HDFE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	thermoplastics										fluoroplastics		elastomers		metals		COMMENT
																PVC/HART	PVC/WECH	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM	MBR	SI	AL	V2A	V4A	Hastelloy C		
Methyl cellosolve oleate	-> see: Ethylene glycol monomethyl ether oleate																															
Methyl chloride	CH <sub>3</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	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>3</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	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)	0/0		
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	0/0	(1)	(1)	(3)	2/0	4/4	4/4	0/0	(1)	(1)	(1)	0/0		
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)	0/0		
Methyl isopropyl ketone	C <sub>8</sub> H <sub>16</sub> O	000563-80-4		F	X	0/0	0/0	(2)	4/4	(4)	(4)	(2)	(3)	4/4	0/0	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)	0/0		
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>4</sub>	000119-36-8		Xn, Xi		0/0	0/0	(3)	(3)	0/0	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)	0/0	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)	0/0	4/4	2/4	0/0	1/3	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	4/4			
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	4/4			
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	0/0	(1)	(1)	1/4	3/0	4/4	4/4	0/0	3/4	0/0	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	0/0		
Methylcyclopentane	C <sub>6</sub> H <sub>12</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	0/0	(1)	(1)	(1)	4/4	1/0	4/4	0/0	(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	4/4	1/1L	1/1L	1/1		
Methylglycol acetate	C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>	000110-49-6		T		0/0	0/0	1/0	(3)	0/0	0/0	(2)	(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	—																															
Mineral oil	—																															
Mineral water	—																															
Molasses	—																															
Molasses wort	—																															
Monochlorobenzene (MCB)	-> see: Chlorobenzene																															
Monochloroethane	C <sub>2</sub> H <sub>5</sub> Cl	000075-00-3		F+, Xn	X	3/3	3/4	1/0	4/4	0/0	3/4	1/0	3/4	4/4	4/4	4/4	4/4	4/4	1/1	1/1	1/0	1/1	4/4	3/0	4/4	0/0	(3)	1/1L	1/1L	0/0	Ethyl chloride, Chloroethane, 1-	
Morpholine	C <sub>4</sub> H <sub>9</sub> NO	000110-91-8	techn. pure	C, Xn	X	1/1	1/1	(3)	(3)	0/0	0/0	(2)	1/1	0/0	0/0	4/4	4/4	0/0	0/0	(1)	1/1	1/3	3/0	2/3	4/4	0/0	1/0	(1)	(1)	0/0		
Motor oil	—																															
Mowliith D	—																															
Muscate	—																															
Mustard	—																															
Naphtha	—																															
Naphthalene	C <sub>10</sub> H <sub>8</sub>	000032-32-4		(Xn)		1/3	3/4	1/0	(2)	(1)	1/0	1/0	1/3	3/0	1/0	1/0	4/4	0/0	0/0	(1)	1/1	1/1	4/4	1/1	4/4	0/0	1/1	1/1	1/1	0/0	petroleum ether	
Naphthalene (in alcohol)	—																															
Neon	—																															
Nickel acetate	C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub>	000373-02-4	aqueous	(T, N)		1/1	1/1	(3)	(2)	(1)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	1/0	(3)	3/0	0/0	4/4	0/0	0/0			
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	1/1	1/1	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	4/4	2/0L	2/0L	1/1		
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	1/1	1/1	1/1	1/0	1/0	1/0	0/0	4/4	2/0L	2/0L	1/1		
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	0/0	4/4	1/1	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	1/1	1/1	1/1	1/0	1/1	1/1	0/0	4/4	1/1	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	0/0	4/4	1/0	1/0	1/1		
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	1/1	0/0	(1)	(1)	(1)	0/0		
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	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	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	0/0	0/3	1/1	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	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	1/1	4/4	1/0	4/4	0/0	4/4	1/2	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	0/0	4/4	0/0	4/4	0/0	0/0	1/1	4/4	4/4	4/4	4/4	0/0	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	1/1	4/4	2/3	4/4	0/0	4/4	1/2	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	(1)	(1)	(2)	3/0	(3)	(2)	0/0	(3)	0/0	0/0		isomer not indicated in the source	
Nitro reducer	—																															
Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	000098-95-3		T		3/4	4/4	4/4	4/4	1/0	4/4	3/0	2/4	4/4	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	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	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	1/1	1/1	1/0	0/0	1/1	1/1	1/1		
Nitrogen hydride	-> see: Hydrazine																															



CHEMICALS	thermoplastics										fluoroplastics			elastomers			metals			COMMENT												
	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC-HART	PVC-WEICH	SAN	ECTFE / ETFE		FEP	PTFE	PVDF	EPDM	FKM / FKM	MBR	SI	AL	V2A	V4A	Hastelloy C	
Phenol	C <sub>6</sub> H <sub>6</sub> O	000108-95-2	10 %	T		1/1	1/1	4/4	4/4	4/4	1/0	4/4	1/1	4/4	4/4	1/3	3/3	3/3	0/0	1/0	1/1	1/1	1/1	4/4	2/3	4/4	0/0	1/1	1/2	1/1	0/0	
Phenol	C <sub>6</sub> H <sub>6</sub> O	000108-95-2	100 %	T, C		2/3	3/3	4/4	4/4	4/4	1/1	4/4	1/2	4/4	3/3	4/4	3/0	4/4	1/1	1/1	1/1	1/1	4/4	3/0	4/4	0/0	1/1	1/2	1/1	0/0		
Phenolic resin mass	—	—	—	?		1/1	1/1	(3)	(3)	0/0	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	(1)	(4)	(3)	(3)	0/0	(2)	(1)	(1)	0/0		
Phenyl chloride	-> see: Chlorobenzene																															
Phenyl methyl ketone	-> see: Acetophenone																															
Phenylethanone, 1-	-> see: Acetophenone																															
Phenyldiazine	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>	000100-63-0	techn. pure	T		3/0	0/0	(3)	(3)	0/0	0/0	(2)	3/4	0/0	0/0	4/4	0/0	0/0	0/0	(1)	1/1	1/1	4/4	1/3	4/4	0/0	(2)	0/0	0/0	0/0		
Phenyldiazine hydrochloride	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> -HCl	000059-88-1	—	T		0/0	0/0	(3)	(2)	0/0	0/0	(3)	1/3	0/0	0/0	3/0	0/0	0/0	0/0	(1)	1/1	1/1	(3)	1/3	1/3	0/0	(4)	(4L)	(4L)			
Phenylsulfonate	—	070528-83-5	—	?		0/0	1/1	0/0	0/0	0/0	0/0	0/0	1/1	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		
Phosgene	COCl <sub>2</sub>	000075-44-5	liquid	T+, C		0/0	0/0	1/0	(3)	0/0	0/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(3)	(1)	3/0	0/0	(3)	3/4	3/4	0/0	0/0	Carbonyl chloride; Chloroformyl chloride	
Phosgene	COCl <sub>2</sub>	000075-44-5	gaseous	T+, C		0/0	3/0	1/0	(3)	0/0	0/0	(2)	3/4	0/0	0/0	4/4	0/0	0/0	0/0	(1)	1/1	(3)	(3)	3/0	0/0	(3)	3/4	3/4	0/0	0/0		
Phosphates	—	—	aqueous	?		1/1	1/1	0/0	0/0	(1)	0/0	(2)	3/4	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	(1)	(1)	(1)	(1)	(2)	0/0	0/0	(1)	(1)	salts of phosphoric acid
Phosphine	PH <sub>3</sub>	007803-51-2	concentrated	F+, T+ X		0/0	0/0	1/0	(3)	0/0	0/0	1/0	(3)	0/0	0/0	1/0	0/0	0/0	0/0	0/0	1/0	1/1	1/0	1/0	4/4	0/0	(1)	0/0	0/0	0/0		
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	007664-38-2	30 %	C		1/1	1/1	4/4	1/0	0/0	4/4	1/1	1/1	0/0	0/0	1/1	0/0	0/0	1/1	1/1	1/1	1/0	1/1	3/3	0/0	4/4	1/3	1/2	1/1			
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	007664-38-2	85 %	C		1/1	1/1	4/4	1/2	0/0	1/2	4/4	1/2	1/2	1/1	1/2	1/1	1/2	1/1	1/1	1/1	1/1	3/0	1/1	4/4	0/0	4/4	2/4	1/3	1/1		
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	007664-38-2	1-5 %	Xi		1/1	1/1	(3)	1/1	1/0	1/1	3/4	1/1	2/2	1/1	1/1	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/0	1/1	2/3	0/0	(4)	1/1	1/1		
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	007664-38-2	20 %	Xi		1/1	1/1	4/4	(2)	0/0	4/4	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	3/3	0/0	4/4	1/3	1/2	1/1		
Phosphorus oxychloride	POCl <sub>3</sub>	010025-87-3	100 %	T, C		0/0	1/0	4/4	4/4	0/0	0/0	4/4	1/3	0/0	0/0	4/4	4/4	0/0	0/0	0/0	1/1	(2)	1/0	1/1	4/4	0/0	1/3	1/3L	1/3L	1/1		
Phosphorus oxychloride	POCl <sub>3</sub>	010025-87-3	—	T, C		0/0	1/0	4/4	4/4	0/0	0/0	4/4	1/3	0/0	0/0	4/4	4/4	0/0	0/0	0/0	1/1	(2)	1/0	1/1	4/4	0/0	1/3	1/3L	1/3L	1/1		
Phosphorus pentachloride	PCl <sub>5</sub>	010026-13-8	—	T+, C		0/0	1/0	4/4	4/0	0/0	4/4	1/1	0/0	0/0	4/4	4/4	0/0	0/0	0/0	0/0	1/1	1/1	(3)	(3)	4/4	0/0	1/1	1/3L	1/3L			
Phosphorus pentoxide	P <sub>2</sub> O <sub>5</sub>	001314-56-3	techn. pure	C		1/0	0/0	(4)	(3)	0/0	4/4	1/0	0/0	0/0	1/0	0/0	0/0	0/0	0/0	(1)	1/0	1/1	(3)	(2)	3/4	0/0	1/1	1/0	1/0	0/0		
Phosphorus trichloride	PCl <sub>3</sub>	007719-12-2	—	T, C		3/3	3/3	4/4	4/4	0/0	4/4	1/3	0/0	0/0	4/4	4/4	0/0	0/0	0/0	1/0	1/1	1/1	1/0	3/4	4/4	0/0	1/1	0/0	0/0	1/1		
Phthalic acid	C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>	000088-99-3	saturated	Xi		1/1	1/1	3/3	(3)	1/0	0/0	1/0	1/1	1/0	0/0	1/4	0/0	1/1	0/0	1/1	1/1	1/1	1/0	2/3	4/4	0/0	1/1	1/1	1/1	1/1		
Phthalsäuremonoamylester ?	C <sub>13</sub> H <sub>18</sub> O <sub>4</sub>	??	—	(Xn)		0/0	0/0	(3)	(3)	0/0	0/0	(3)	(2)	0/0	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(2)	(2)	(3)	0/0	(1)	(1)	(1)			
Picric acid	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>7</sub>	000088-89-1	1 % aqueous	T		1/0	1/0	3/0	(3)	0/0	0/0	(3)	1/1	0/0	0/0	1/0	4/4	0/0	0/0	1/0	1/0	1/1	3/0	1/0	3/4	0/0	1/0	1/0	1/0	1/0		
Pine oil	—	008023-99-2	—	?		0/0	0/0	1/0	(3)	0/0	(4)	(2)	1/1	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	4/4	1/0	1/0	0/0	1/1	(1)	(1)	0/0	0/0	pinus sylvestris
Pineapple juice	—	—	—	—		1/1	1/1	1/0	(2)	1/0	0/0	(2)	1/1	1/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	(1)	(2)	(1)	0/0	(2)	(1)	(1)			
Pink	—	—	ground	?		0/0	0/0	(2)	4/4	(1)	0/0	(2)	2/4	0/0	0/0	0/0	4/4	0/0	0/0	0/0	1/1	(2)	(2)	(2)	(2)	0/0	(1)	(1)	(1)	0/0		
Piperidine	C <sub>6</sub> H <sub>11</sub> N	000110-89-4	—	F, T, C		0/0	0/0	(3)	(3)	0/0	0/0	(2)	(2)	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)		Hexahydropyridine; Azacyclohexane; Pentamethylenimine	
Plasticiser	—	—	—	?		1/3	1/3	(2)	(3)	0/0	0/0	(2)	1/3	0/0	0/0	0/0	3/3	0/0	0/0	(1)	1/0	(2-3)	0/0	4/4	0/0	(1)	(1)	(1)				
Polish remover	—	—	—	?		(X)	0/0	0/0	(2)	4/4	0/0	(4)	(2)	1/3	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	4/4	0/0	(1)	(1)	(1)	0/0		
Polyester resins	—	—	—	(Xn)		(X)	3/4	3/4	1/0	4/4	1/0	0/0	(2)	3/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	(3)	4/4	0/0	(1)	(1)	(1)			
Polyethylene glycol	HO-(C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> -H	025322-68-3	100 %	(—)		1/1	1/1	(3)	0/0	0/0	1/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(2-3)	(2)	(3)	0/0	(1)	(1)	(1)	0/0		
Polyoxymethylene	-> see: Paraformaldehyde																															
Polyran M25 N	—	—	80°C	?		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0/0	0	0	0/0	0	3	0	0	(1)	(1)		lubricating oil	
Polyran M400	—	—	80°C	?		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0/0	0	0	0/0	0	(3)	0	0	(1)	(1)		lubricating oil	
Polysovan O	C <sub>12</sub> H <sub>22</sub> O <sub>3</sub>	007397-62-8	100 %	Xi		0/0	1/1	(2)	(3)	1/0	0/0	1/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	0/0	0/0	0/0	(3)	0/0	(1)	(1)			solvent cleaner, butyl glycolate; Celanese AG	
Potassium acetate	C <sub>4</sub> H <sub>7</sub> KO <sub>2</sub>	000127-08-2	aqueous	Xi		1/1	1/1	1/0	(1)	(2)	0/0	1/1	1/1	0/0	1/0	1/0	0/0	1/1	1/1	1/0	1/1	1/1	3/0	3/3	0/0	1/3	1/1	1/1	0/0			
Potassium bisulfate	KHSO <sub>4</sub>	007646-93-7	aqueous	(C)		1/1	1/1	4/4	1/0	(2)	0/0	2/0	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/0	4/4	4/4	1/1		
Potassium bisulfate	KHSO <sub>4</sub>	007646-93-7	—	C		1/1	1/1	4/4	1/0	0/0	0/0	2/0	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/0	4/4	4/4	?		
Potassium bitartrate	K <sub>2</sub> H <sub>6</sub> KO <sub>6</sub>	000868-14-4	saturated	Xi		1/1	1/1	(2)	(2)	0/0	(2)	1/1	0/0	0/0	1/0	1/0	0/0	1/1	1/1	1/1	1/1	(2)	(1)	(1)	0/0	(4)	1/3	1/2	0/0			
Potassium borate	KBO <sub>2</sub>	012228-88-5	10 %	(Xn)		1/1	1/1	1/0	(2)	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	1/0	1/0	1/0	0/0	(3)	0/0	0/0	0/0		
Potassium borate	KBO <sub>2</sub>	012228-88-5	aqueous	(Xn)		1/1	1/1	1/0	(2)	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	1/0	1/0	0/0	(3)	0/0	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	(2)	1/1	1/1	0/0	1/3	0/0	1/1	0/0	(1)	1/1	1/1	1/0	1/1	0/0	(2)	0/0	0/0	0/0	0/0			
Potassium bromate	KBrO <sub>3</sub>	007758-01-2	aqueous	O, T		0/0	0/0	(2)	(2)	0/0	(2)	1/1	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	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	0/0	1/3	1/0																

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	thermoplastics																	fluoroplastics	elastomers	metals	COMMENT							
					FLAMMABLE	HDFE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC/HART	PVC/WECH	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FKM/FKM		MBR	SI	AL	V2A	V4A	Hastelloy C	
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	1/3	1/1	1/1	1/1	1/1	(2)	1/0	4/4	3/3	0/0	4/4	1/1	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	1/1	3/3	1/0	4/4	3/4	0/0	4/4	1/1	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	1/1	3/3	1/0	4/4	3/4	0/0	4/4	1/1	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	1/1	1/0	1/3	3/3	0/0	4/4	1/1	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	1/1		
Potassium iodate	KJO <sub>3</sub>	007758-05-6		O		0/0	0/0	(2)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	0/0	(1)	1/0	1/1	(1)	(1)	(2)	0/0	1/1	1/1	1/1	0/0	
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	1/0	1/1	1/3	0/0	1/1	1/1L	1/1L	1/1		
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	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	1/1	1/1L	1/1L	1/1		
Potassium lye																																
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	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/1	1/1	1/1	1/1		Saltpeper; 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	1/1	0/0	1/1	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	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	1/3	0/0	1/1	1/1	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	1/0	1/1	1/1	4/4	0/0	1/1	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	1/1	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1	1/1	1/1		Permanganic acid, potassium salt; Condy'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	1/1	1/3	0/0	1/3	0/0	1/3	1/1	1/1	1/1	1/1	1/0	1/1	4/4	0/0	1/1	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	1/0	0/0	1/3	1/0	1/1	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	4/4	1/0	1/0	1/1		
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	0/0	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	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	0/0		
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	(1)	1/1	1/1	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	0/0		
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	1/1	1/1	1/1	(1)	(1)	1/1	3/3	0/0	(1)	(1)	(1)			
Precipitated silica	SiO <sub>2</sub>	001343-98-2	each	—		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	0/0	(1)	1/1	1/1	1/1	
Prontosil	—	—		(Xn)		0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(2)	(2)	(2)	(2)	0/0	(1)	0/0	0/0	?	for chemotherapy; Bayer - no more available
Propane	C <sub>3</sub> H <sub>8</sub>	000074-98-6	liquid	F+	X	1/0	1/0	1/0	1/0	0/0	1/1	1/0	0/0	1/0	1/0	1/0	3/0	1/0	0/0	(1)	1/1	1/1	4/4	1/0	4/4	0/0	1/1	1/1	1/1	1/1	0/0	
Propane	C <sub>3</sub> H <sub>8</sub>	000074-98-6	gaseous	F+	X	3/4	4/4	1/0	3/4	1/0	4/4	1/1	2/4	4/4	3/3	1/2	0/0	0/0	1/1	1/1	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1	0/0		
Propanetriol, 1,2,3-																																
Propanone, 2-																																
Propargyl alcohol	C <sub>3</sub> H <sub>4</sub> O	000107-19-7	7 %	Xn		1/1	1/1	(3)	1/0	0/0	0/0	(2)	1/1	0/0	0/0	1/1	1/0	0/0	0/0	(1)	1/1	1/3	1/0	1/1	1/1	0/0	1/0	(1)	(1)	0/0		
Propenenitrile, 2-																																
Propenyl alcohol																																
Propionic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	000079-09-4	50 %	C, F	X	1/3	1/3	3/3	4/4	0/0	0/0	4/4	1/1	4/4	4/4	1/3	3/3	0/0	0/0	(1)	1/1	1/1	3/0	1/1	4/4	0/0	1/1	(1)	(1)	1/1		
Propionic acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	000079-09-4		C, F+	X	1/3	1/3	3/3	4/4	0/0	0/0	4/4	1/3	4/4	4/4	4/4	4/4	0/0	0/0	1/0	1/1	1/1	4/4	3/0	4/4	0/0	1/1	1/2	1/1	1/1		
Propyl acetate, normal	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	000109-60-4		F	X	0/0	0/0	(1)	4/4	0/0	(4)	1/0	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	3/0	4/4	4/4	0/0	(1)	(1)	(1)				
Propyl alcohol	C <sub>3</sub> H <sub>7</sub> O	000071-23-8		F	X	1/1	1/1	1/1	1/0	1/0	0/0	1/1	1/1	3/0	0/0	2/2	3/3	1/4	0/0	1/1	1/1	1/1	1/0	1/1	3/3	0/0	1/1	(1)	(1)	0/0		
Propyl carbinol																																
Propyl nitrate	C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>	000627-13-4		(E, Xn)	(X)	0/0	0/0	(3)	(3)	0/0	0/0	(3)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	3/0	4/4	4/4	0/0	(2)	(1)	(1)			
Propylamine, n-	C <sub>3</sub> H <sub>7</sub> N	000107-10-8		F, C, Xn	X	0/0	0/0	0/0	(3)	0/0	0/0	(2)	(2)	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)			
Propylene	C <sub>3</sub> H <sub>6</sub>	000115-07-1		F+	X	1/1	1/1	1/0	(3)	1/0	0/0	1/0	1/1	4/4	0/0	3/4	4/4	0/0	0/0	(1)	1/1	(1)	4/4	1/0	4/4	0/0	1/1	1/1	1/1			
Propylene glycol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	000057-55-6		—		1/1	1/1	4/4	2/3	(2)	1/1	1/0	1/1	2/2	3/4	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	1/1	(1)	(1)	1/1		
Propylene oxid	C <sub>3</sub> H <sub>6</sub> O	000075-56-9		F+, T	X	1/1	1/2	(3)	2/3	0/0	1/2	(2)	1/2	4/4	2/2	3/4	0/0	4/4	3/4	1/1	1/0	1/4	3/0	4/4	4/4	0/0	(1)	(1)	(1)	0/0	Epoxypropane, 1,2-; Methyloxirane; Methyl ethylene oxide	
Pydraul C (312, 540)				(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)	0/0	4/4	1/0	4/4	0/0	0/0	(1)	(1)		based on phosphoric ester; Monsanto	
Pydraul E (29, 30, 50, 65, 90, 11)				(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)	0/0	1/0	1/0	4/4	0/0	0/0	(1)	(1)		based on phosphoric ester; Monsanto		
Pyridine	C <sub>5</sub> H <sub>5</sub> N	000110-86-1		F, Xn	X	1/3	0/2	1/0	4/4	0/0	0/2	1/1	3/3	4/4	4/4	4/4	4/4	1/1	(2)	1/1	1/3	4/4	4/4	4/4	4/4	0/0	1/1	1/1	1/1	0/0	Azine; Azabenzene	
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	1/3	0/0	(1)	(1)	1/1										

CHEMICALS	thermoplastics										fluoroplastics			elastomers			metals			COMMENT												
	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC-HART	PVC-WEICH	SAN	ECTFE/ETFE		FEP	PTFE	C/PVDF	EPDM	FKM / FKM	MBR	SI	AL	V2A	V4A	Hastelloy C	
Silicone greases				(-)	0/0	0/0	1/0	1/0	1/0	1/1	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	(1)	(1)	1/0	1/1	1/1	0/0	1/1	1/1	1/1	1/1		
Silicone oil				?	1/1	1/1	1/0	1/0	1/0	1/1	1/1	3/3	1/0	1/4	0/0	1/1	0/0	1/1	0/0	1/1	(1)	(1)	1/0	1/1	1/1	0/0	1/1	1/1	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)	(2)	(2)	1/1	(2)	1/1	2/2	0/0	0/0	1/1	1/1	(1)	(1)	(1)	(1)	(2)	(3)	0/0	(4)	0/0	0/0	0/0	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	0/0	0/0	1/1	(1)	(1)	(1)	(1)	(3)	0/0	(4)	0/0	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	0/0	1/1	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	1/3	1/2	1/1	1/1	1/1	1/1	1/1	1/0	1/1	3/3	0/0	4/4	1/1	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	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	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	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	1/1	1/0	1/1	1/1	0/0	(3)	1/1	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	1/1	1/0	(3)	3/3	0/0	1/1	1/1	1/1	1/1	1/1	Acetic acid sodium salt;	
Sodium benzoate	C <sub>7</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	1/0	(1)	1/1	(1)	(1)	1/1		
Sodium benzoate	C <sub>7</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	1/1	1/1		
Sodium benzoate	C <sub>7</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	1/1	1/1		
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	0/0	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	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	1/1	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	1/1	1/0	1/0	1/3	0/0	1/3	(2)	1/1	1/1	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	(1)	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/0	1/1	1/1	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	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	1/0	3/3	0/0	1/3	1/1	1/1	1/1	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	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	1/1	1/1	(2)	(1)	1/3	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	
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)	(1)	1/3	0/0	4/4	0/0	0/0	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	1/0	1/1	1/1	1/1	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/3	1/1	1/1	1/1	0/0	3/4	1/1	1/1	1/1	1/1	
Sodium carbonate	Na <sub>2</sub> CO <sub>3</sub>	000497-19-8	aqueous	Xi	1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/1	2/0	0/0	1/1	0/0	0/0	1/2	1/1	1/1	1/1	1/3	1/1	1/1	1/1	0/0	3/4	1/1	1/1	1/1	1/1	
Sodium carbonate	Na <sub>2</sub> CO <sub>3</sub>	000497-19-8		Xi	1/1	1/1	1/0	1/0	0/0	1/1	1/1	2/0	0/0	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/3	1/1	1/1	1/1	0/0	3/4	1/1	1/1	1/1	1/1	
Sodium chlorate	NaClO <sub>3</sub>	007775-09-9	each	O, Xn	1/1	1/0	1/0	1/0	0/0	1/0	2/0	1/1	0/0	1/3	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/0	2/3	0/0	1/0	1/1	1/1	1/1	1/1	Chloric acid, sodium salt;
Sodium chlorate	NaClO <sub>3</sub>	007775-09-9	aqueous	O, Xn	0/0	0/0	3/0	1/0	1/0	0/0	2/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	3/3	0/0	1/0	1/1	1/1	1/1	1/1		
Sodium chloride	NaCl	007647-14-5	each	-	1/1	1/1	1/0	1/1	1/0	1/2	1/1	1/1	1/0	1/3	1/3	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	0/0	3/4	1/2	1/2	1/1	1/1		
Sodium chloride	NaCl	007647-14-5	aqueous	-	1/1	1/1	1/1	1/1	1/1	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	1/1	1/1	3/4	1/2	1/2	1/1	1/1	
Sodium chlorite	NaClO <sub>2</sub>	007758-19-2	diluted	(O, Xn)	1/0	1/3	1/4	(2)	0/0	0/0	(2)	1/3	0/0	3/0	4/4	0/0	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	3/4	3/4	3/3	0/0	0/0	0/0		
Sodium chromate	Na <sub>2</sub> CrO <sub>4</sub>	007775-11-3	diluted	T	1/0	1/0	1/1	(2)	0/0	0/0	(2)	1/1	1/1	0/0	1/3	0/0	1/1	0/0	(1)	1/1	1/1	1/0	1/0	1/3	0/0	1/1	1/1	1/1	1/1	1/1	0/0	
Sodium cyanide	CNNa	000143-33-9	saturated	T	1/1	1/1	1/0	(3)	0/0	0/0	3/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	3/3	0/0	4/4	(2)	(2)	0/0	Hydrocyanic acid, sodium salt;	
Sodium cyanide	CNNa	000143-33-9	aqueous	T	1/1	1/1	1/0	(3)	1/0	0/0	3/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	4/4	(2)	(2)	0/0		
Sodium dichromate	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	010588-01-9		T	0/0	1/1	1/0	1/0	3/0	1/1	(3)	1/1	1/1	0/0	1/0	0/0	0/0	1/1	(1)	1/1	1/1	1/0	1/0	3/3	0/0	1/1	(1)	(1)	1/1	1/1		
Sodium dithionite				-> see: Sodium hydrosulfite																												
Sodium dodecylbenzene sulfonate	C <sub>18</sub> H <sub>35</sub> NaSO <sub>3</sub>	025155-30-0		Xn	1/1	1/1	(2)	(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)	(2)	0/0	(2)	(1)	(1)				
Sodium ferrocyanide	C <sub>4</sub> FeNa <sub>6</sub> N <sub>6</sub>	013601-19-9		Xn	1/1	1/1	(1)	(2)	(1)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(1)	(1)	(2)	0/0	(1)	(1)					
Sodium fluoride	NaF	007681-49-4	saturated	T	1/1	1/1	1/0	(2)	(1)	1/0	1/1	1/1	0/0	1/0	1/3	1/1	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/1	0/0	0/0	0/0	1/1		
Sodium hydrosulfite	Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	007775-14-6	10 %	Xn	1/1	0/0	(2)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	1/3	0/0	1/1	0/0	(1)	1/1	1/3	1/0	1/1	3/3	0/0	4/4	1/1	1/1	1/1	1/1		
Sodium hydrosulfite	Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	007775-14-6		Xn	1/1	0/0	(2)	(2)	(2)	0/0	(2)	1/1	0/0	0/0	1/3	0/0	1/1	0/0	(1)	1/1	1/3	1/0	1/1	3/3	0/0	4/4	1/1	1/1	1/1	1/1		
Sodium hydroxide	NaOH	001310-73-2	concentrated	C	1/1	1/1	1/3	4/4	4/4</																							

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/WECH	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM	FPM/FKM		NR	SI	AL	V2A	V4A	Hastelloy C	
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	0/0	(1)	1/1	1/1	1/0	1/0	(3)	0/0	4/4	0/0	1/0	0/0		
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	1/1	0/0	1/1	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	0/0	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1	1/1		
Sodium polyphosphates	(NaPO <sub>3</sub> ) <sub>n</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	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	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	0/0	1/1	1/1	1/1	1/1	1/1		
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)	(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	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	0/0	1/1	1/1	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	1/1		
Sodium sulfide	Na <sub>2</sub> S	001313-82-2	saturated	C		1/1	1/1	1/0	3/0	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)	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	1/1		
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	1/1		
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	1/1		
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	1/1		
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	1/1		
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)	0/0		
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	1/1	4/4	1/1	1/0	0/0	(1)	1/1	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	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	(1)	1/1	1/1	1/1		
Spindle oil	—	—	—	?		3/3	2/3	(2)	(2)	1/0	0/0	(2)	1/4	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	(4)	1/1	1/1	0/0	1/1	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	0/0			
Spirit (of wine)	C <sub>2</sub> H <sub>6</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			
Spirits	C <sub>2</sub> H <sub>6</sub> O	—	—	—		1/1	1/0	1/0	1/1	0/0	1/2	1/1	0/0	1/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	0/0	1/1	1/1	1/1	1/1	0/0		
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	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	1/1	1/1		
Spirits of wine	C <sub>2</sub> H <sub>6</sub> O	—	50 %	(F)	X	1/0	1/1	1/0	1/1	1/0	1/2	1/1	1/0	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	1/1	1/1		
Spirits of wine	C <sub>2</sub> H <sub>6</sub> O	—	96 %	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	1/1		
Spruce oil	—	008008-80-8	—	?		1/2	2/4	(2)	2/3	0/0	2/3	(2)	1/2	4/4	3/3	0/0	3/4	1/2	1/1	(1)	(2)	4/4	1/0	3/3	0/0	(1)	(1)	(1)				
Stannic chloride	SnCl <sub>4</sub>	007646-78-8	aqueous	C		1/1	1/1	4/4	(3)	0/0	0/0	(4)	1/1	4/4	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	4/4	3/4			
Stannous chloride	SnCl <sub>2</sub>	007772-99-8	aqueous	(C, Xn)		1/1	1/1	(4)	(2)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/1	1/1	0/0	4/4	4/4	3/4	1/1		
Stannous chloride	SnCl <sub>2</sub>	007772-99-8	saturated	C, Xn		1/1	1/1	4/4	1/0	0/0	0/0	(2)	1/1	1/1	0/0	1/0	1/0	1/0	0/0	1/1	1/1	1/1	1/0	1/1	0/0	4/4	4/4	3/4	1/1			
Starch solution	(C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub>	—	each	—		1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	0/0	0/0	1/1	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	0/0		
Starch syrup	—	—	—	—		1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	0/0	0/0	1/1	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	0/0		
Stauffer grease, thick	—	—	—	(—)		0/0	0/0	(2)	(2)	(1)	0/0	(1)	2/4	0/0	0/0	0/0	1/1	0/0	(1)	1/1	(1)	4/4	(1)	(2)	0/0	(1)	1/1	1/1	0/0			
Steam	H <sub>2</sub> O	—	up to 150°C	?		4	4	4/4	0/0	0	(3)	(3)	0	0	0	0	0	0	0	0	0	1	0	1	3	4/4	0	(1)	1/1	1/1		
Stearic acid	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	000057-11-4	crystals	Xi		1/3	1/3	1/0	1/2	1/0	1/1	1/0	1/3	1/2	2/2	1/2	1/1	1/1	1/1	1/1	1/1	1/1	1/1	3/0	1/1	3/3	0/0	1/1	1/1	1/1	1/1	
Strontium bromide	SrBr <sub>2</sub>	010476-81-0	—	Xi		1/1	1/1	(2)	(1)	(1)	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	(1)	(1)	(2)	(0)	(3)	0/0	0/0			
Strychnine	C <sub>21</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub>	000057-24-9	—	T+		1/1	1/1	(1)	(1)	(2)	0/0	(2)	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	(1)	(2)	(2)	(2)	0/0	(2)	(1)	(1)			
Styrene	C <sub>8</sub> H <sub>8</sub>	000100-42-5	100 %	Xn, Xi	X	4/4	3/4	1/1	4/4	1/1	(4)	1/1	3/4	0/0	0/0	4/4	4/4	0/0	0/0	1/0	1/1	(2)	4/4	3/0	4/4	0/0	1/1	1/1	1/1	0/0		
Succinic acid	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	000110-15-6	50 %	Xi		1/1	1/1	(3)	(2)	0/0	0/0	(3)	1/1	0/0	0/0	2/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	0/0	1/1	1/0	1/0	1/1			
Succinic acid	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	000110-15-6	saturated	Xi		1/1	1/1	(3)	(2)	0/0	0/0	(3)	1/1	1/1	0/0	1/3	1/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/1	1/0	1/0	?		
Sugar acid	—	—																														

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	thermoplastics													fluoroplastics		elastomers		metals		COMMENT								
					FLAMMABLE	HDFE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC/HART	PVC/WECH	SAN	ECTFE/ETFE	FEP	PTFE	PVDF	EPDM		FKM /FKM	MBR	SI	AL	V2A	V4A	Hastelloy C	
Sulfuryl chloride	Cl <sub>2</sub> SO <sub>2</sub>	007791-25-5	techn. pure	C	4/4	4/4	4/4	1/0	0/0	0/0	4/4	4/4	0/0	0/0	4/4	4/4	0/0	0/0	1/1	1/0	0/0	0/0	0/0	1/1	1/1	3/0	1/1	1/1	0/0	1/1	1/1	0/0
Tallow	—	—	techn. pure	—	1/1	1/1	1/0	(1)	1/0	0/0	1/0	1/1	0/0	0/0	1/1	1/0	0/0	0/0	(1)	1/1	1/1	3/0	1/1	1/1	0/0	(1)	1/1	1/1	0/0			
Tannic acid	C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>	001401-55-4	10 %	Xi	1/1	1/1	1/0	3/3	0/0	1/1	4/4	1/1	3/3	0/0	1/1	0/0	0/0	0/0	(1)	1/1	1/1	3/0	1/1	3/3	0/0	1/0	1/1	1/1	1/1			
Tannic acid	C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>	001401-55-4	—	Xi	1/1	1/1	1/0	4/4	0/0	0/0	4/4	1/1	1/1	0/0	0/0	0/0	1/1	0/0	(1)	1/1	1/1	3/0	1/1	3/3	0/0	1/0	1/1	1/1	1/1			
Tanning extracts	—	—	—	?	1/1	1/1	1/0	(3)	0/0	0/0	4/4	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	3/0	1/0	3/3	0/0	1/0	1/1	1/1	1/1			
Tanning extracts, vegetable	—	—	techn. usually	?	1/1	1/1	1/0	(3)	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	3/0	1/0	3/3	0/0	1/0	1/1	1/1	1/1			
Tar	—	—	—	T	0/0	1/0	1/0	(3)	1/0	0/0	1/0	(2)	1/0	1/0	1/0	3/0	0/0	0/0	(1)	(1)	(2)	4/4	1/0	4/4	0/0	(1)	(1)	(1)	(1)			
Tartaric acid	C <sub>4</sub> H <sub>4</sub> O <sub>6</sub>	000087-69-4	aqueous	Xi	1/1	1/1	3/3	1/2	0/0	0/0	(3)	1/1	0/0	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	3/0	1/1	1/1	0/0	(4)	1/3	1/2	1/1			
Tartaric acid	C <sub>4</sub> H <sub>4</sub> O <sub>6</sub>	000087-69-4	—	Xi	1/1	1/1	4/4	1/2	0/0	1/1	(3)	1/1	2/2	1/1	1/2	1/3	1/1	1/1	1/1	1/1	1/1	3/0	1/1	1/1	0/0	(4)	1/3	1/2	1/1			
Tetrabromoethane (TBE)	C <sub>2</sub> H <sub>2</sub> Br <sub>4</sub>	—	100 %	T+	4/4	3/4	(3)	4/4	(4)	(4)	(3)	3/4	4/4	0/0	4/4	4/4	0/0	0/0	(1)	(1)	(2)	4/4	1/0	4/4	0/0	(3)	0/0	0/0	0/0			
Tetrachloroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>4</sub>	—	techn. pure	T+	3/0	3/4	3/0	4/4	(4)	(4)	1/1	3/4	4/4	0/0	4/4	4/4	4/4	0/0	1/0	1/1	1/3	4/4	4/4	4/4	0/0	(3)	0/0	0/0	0/0			
Tetrachlorodifluoroethane	C <sub>2</sub> Cl <sub>4</sub> F <sub>2</sub>	000076-12-0	—	?	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	4/4	3/0	3/0	0/0	(3)	0/0	0/0	0/0				
Tetrachloroethylene	C <sub>2</sub> Cl <sub>4</sub>	000127-18-4	—	Xn	4/4	4/4	4/4	4/4	3/4	4/4	1/3	4/4	4/4	4/4	4/4	4/4	3/3	1/1	1/1	1/1	4/4	2/3	4/4	0/0	(3)	0/0	0/0	0/0				
Tetrahydrofuran (THF)	C <sub>4</sub> H <sub>8</sub> O	000109-99-9	—	F, Xi	X	3/4	4/4	1/0	4/4	1/0	3/4	1/3	3/4	4/4	4/4	4/4	4/4	2/3	1/1	1/0	3/3	4/4	4/4	0/0	1/1	(1)	(1)	1/1				
Tetrahydrofurfuryl alcohol	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	000097-99-4	—	Xi	0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(3)	(3)	(4)	0/0	(2)	(1)	(1)				
Tetrahydronaphthalene	C <sub>10</sub> H <sub>12</sub>	000119-64-2	techn. pure	Xi	3/4	4/4	1/0	4/4	1/0	(4)	1/0	4/4	4/4	4/4	4/4	4/4	0/0	0/0	(1)	1/0	1/0	4/4	1/0	4/4	0/0	1/1	1/1	1/1	0/0			
Thiocyanic acid, ammonium salt	—	—	-> see: Ammonium thiocyanate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Thioglycolic acid	C <sub>2</sub> H <sub>2</sub> SO <sub>2</sub>	000068-11-1	—	T, C	0/0	1/1	(3)	(3)	0/0	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(3)	(3)	(3)	(4)	0/0	3/4	0/0	1/1	0/0			
Thionyl chloride	Cl <sub>2</sub> SO	007719-09-7	techn. pure	C	4/4	4/4	4/4	4/4	2/0	4/4	4/4	4/4	4/4	4/4	4/4	4/4	1/1	1/0	(3)	3/0	1/0	4/4	0/0	3/4	0/0	0/0	0/0	0/0	0/0			
Thiophene	C <sub>4</sub> H <sub>4</sub> S	000110-02-1	—	F, Xn	X	3/3	3/3	(2)	4/4	0/0	(4)	(2)	3/4	4/4	0/0	0/0	4/4	0/0	(1)	(1)	(3)	4/4	4/4	3/0	0/0	(1)	(1)	1/1	0/0			
Thymol	C <sub>10</sub> H <sub>14</sub> O	000089-83-8	—	C, Xn	0/0	0/0	(3)	(3)	0/0	0/0	(3)	(3)	3/4	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(4)	1/0	4/4	0/0	(1)	(1)	(1)	1/1			
Titanium (tetra)chloride	TiCl <sub>4</sub>	007550-45-0	—	C	0/0	0/0	4/4	(3)	0/0	0/0	(3)	(3)	0/0	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(3)	4/4	(3)	4/4	0/0	(4)	0/0	0/0				
Toluene	—	092045-38-0	—	T	1/0	1/3	1/0	(3)	0/0	0/0	1/0	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	3/0	4/4	0/0	(1)	1/1	1/1				
Train oil	—	—	—	—	0/0	0/0	1/0	(2)	1/0	0/0	(1)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	3/4	1/0	1/0	0/0	(1)	(1)	(1)				
Transformer oil	—	—	—	?	1/3	3/3	1/0	(3)	1/1	1/0	3/3	1/3	1/3	1/0	1/0	0/0	1/3	0/0	(1)	1/1	(3)	4/4	2/3	3/3	0/0	1/1	(1)	1/1	0/0			
Triacetin	C <sub>21</sub> H <sub>40</sub> O <sub>6</sub>	000102-76-1	—	Xn	0/0	0/0	0/0	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	1/0	4/4	3/3	0/0	(1)	(1)	(1)				
Tribromomethane	CHBr <sub>3</sub>	000075-25-2	—	T	4/4	4/4	4/4	4/4	4/4	(4)	4/4	4/4	4/4	4/4	0/0	0/0	2/3	1/1	(1)	(2)	4/4	(4)	4/4	0/0	(3)	0/0	0/0	0/0				
Tributyl citrate (TBC)	C <sub>18</sub> H <sub>32</sub> O <sub>7</sub>	000077-94-1	—	—	1/2	2/3	(2)	4/4	0/0	2/3	(2)	2/3	4/4	3/3	4/4	0/0	0/0	1/2	1/1	(1)	(2)	(3)	(3)	(3)	0/0	(1)	(1)	1/1				
Tributyl phosphate (TBP)	C <sub>12</sub> H <sub>27</sub> PO <sub>4</sub>	000126-73-8	techn. pure	Xn	1/1	1/1	1/0	(3)	0/0	0/0	(2)	1/3	0/0	0/0	4/4	4/4	0/0	0/0	(1)	1/1	1/0	3/0	4/4	4/4	0/0	(1)	(1)	1/1	1/1			
Trichloroacetaldehyde	C <sub>2</sub> HCl <sub>3</sub> O	000075-87-6	100 %	T/ Xi	1/1	1/1	4/4	(3)	(4)	0/0	(3)	1/1	0/0	0/0	4/4	4/4	0/0	0/0	(1)	0/0	(4)	3/0	(4)	4/4	0/0	4/4	0/0	0/0				
Trichloroacetic acid (TCA)	C <sub>2</sub> HCl <sub>3</sub> O <sub>2</sub>	000076-03-9	—	C+	1/4	3/4	4/4	4/4	4/4	0/0	4/4	1/1	4/4	0/0	4/4	4/4	0/0	0/0	1/0	1/1	1/4	3/0	4/4	4/4	0/0	1/3	3/0L	2/0L	1/1			
Trichlorobenzene	C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub>	—	100 %	(Xn)	4/4	4/4	(3)	(3)	0/0	(4)	(2)	4/4	4/4	0/0	4/4	4/4	4/4	0/0	(1)	(2)	(3)	(4)	(3)	4/4	0/0	(2)	0/0	0/0	0/0			
Trichloroethane	C <sub>2</sub> H <sub>2</sub> Cl <sub>3</sub>	—	—	Xn	3/4	4/4	3/0	4/4	4/4	(2)	4/4	4/4	4/4	4/4	4/4	1/2	1/1	(1)	1/3	4/4	1/0	4/4	0/0	4/4	0/0	4/4	0/0	0/0				
Trichloroethylene (TRI)	C <sub>2</sub> HCl <sub>3</sub>	000079-01-6	100 %	Xn	3/4	4/4	3/0	4/4	4/4	4/4	4/4	4/4	4/4	4/4	0/4	1/2	1/1	1/0	1/1	4/4	1/3	4/4	0/0	1/3	1/1L	1/1L	1/0					
Trichlorofluoromethane	CCl <sub>3</sub> F	000075-69-4	—	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	0/0	(3)	(1)	0/0	4/4	2/0	1/0	(3)	0/0	0/0	0/0				
Trichlorophenol	C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> O	—	—	(Xn, Xi)	0/0	0/0	(3)	(4)	0/0	0/0	(3)	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(3)	(4)	(3)	(4)	(3)	(4)	0/0	(3)	0/0	0/0				
Trichlorotrifluoroethane	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	000076-13-1	—	?	0/0	0/0	1/0	(3)	1/0	0/0	1/0	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/0	4/4	3/0	1/0	0/0	(3)	0/0	0/0	0/0				
Trichlorotrifluoroethane	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	—	100 %	?	4/4	3/4	1/0	3/0	0/0	0/0	1/0	4/4	4/4	1/0	3/4	4/4	3/3	0/0	0/0	(1)	1/0	4/4	3/0	1/0	0/0	(3)	0/0	0/0				
Tricresyl phosphate (TCF)	C <sub>21</sub> H <sub>21</sub> PO <sub>4</sub>	—	techn. pure	T/Xn, N	1/1	1/1	1/0	4/4	1/0	0/0	1/0	1/3	4/4	0/0	4/4	4/4	4/4	0/0	(1)	1/1	(3)	3/0	3/4	4/4	0/0	1/1	1/1	1/1	1/1			
Triethanolamine (TEA)	C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	000102-71-6	techn. pure	Xi	1/1	1/2	(2)	1/0	0/0	2/2	1/1	1/1	0/0	3/0	4/4	1/1	0/0	1/1	1/0	1/0	2/0	4/4	4/4	0/0	(1)	(1)	1/1	0/0				
Triethylamine (TEA)	C <sub>6</sub> H <sub>15</sub> N	000121-44-8	techn. pure	F, C, Xn	X	0/0	0/0	(2)	(3)	0/0	0/0	1/1	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	3/4	4/4	3/0	3/4	0/0	(1)	(1)	1/1	0/0			
Triethylene glycol	C <sub>6</sub> H <sub>14</sub> O <sub>4</sub>	000112-27-6	—	Xi	1/1	1/1	(3)	1/2	0/0	1/1	1/0	1/1	1/2	1/1	2/3	0/0	1/1	1/1	1/1	(1)	(2)	(2)	(1)	(3)	0/0	(1)	(1)	1/1	0/0			
Triethylene glycol diacetate	C <sub>12</sub> H <sub>18</sub> O <sub>6</sub>	000111-21-7	—	?	0/0	0/0	(3)	(3)	0/0	0/0	1/0	(2)	0/0	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(3)	(3)	(4)	(4)	0/0	(1)	(1)	1/1				
Trihydroxypropane, 1,2,3-	—	—	-> see: Glycerol	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Triiodomethane	—	—	-> see: Iodoform	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Trisopropylbenzene	C <sub>15</sub> H <sub>24</sub>	000717-74-8	—	—	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	1/0	1/0	0/0	1/1	(1)	1/1				
Trimethylbenzene, 1,2,4-	C <sub>9</sub> H <sub>12</sub>	000095-63-6	—	Xn	X	0/0	0/0	(1)	(4)	0/0	0/0	(2)	3/3	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	(2)	4/4	0/0	1/1	1/1	1/1	0/0			



## Chemical resistance

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

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

## Hazard notes

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

## Description of the materials

### Thermoplastics

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

### Fluoroplastics

E-CTFE	Ethylene-chlorotrifluoroethylene (Halar )
ETFE	Ethylene-tetrafluoroethylene
FEP	Tetrafluoroethylene-perfluoropropylene (Teflon, FEP)
PTFE	Polytetrafluoroethylene (Teflon)
PVDF	Polyvinylidene fluoride

### Elastomers

EPDM	Ethylene-propylene-diene rubber
FPM/FKM	Fluorinated rubber (Viton)
NBR	Acryl-nitrile-butadiene rubber
SI	Silicone rubber

### Metals

Al	Aluminium
V2A	Stainless steel 1.4301 (AISI 304)
V4A	Stainless steel 1.4401 (AISI 316)
Hastelloy C	Nickel-chromium-molybdenum alloy