

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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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	NBR	SI	AL	V2A	V4A	Hastelloy C
Ammonium chloride	(NH ₄)Cl	012125-02-9	solid	Xn		1/1	1/1	1/0	1/0	(2)	0/0	2/3	1/1	0/0	0/0	1/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	1/1	0/0	3/4	1/3L	1/2L	1/1	sal ammoniac
Ammonium chloride	(NH ₄)Cl	012125-02-9	aqueous	Xn		1/1	1/1	1/0	1/0	(2)	1/1	2/3	1/1	1/1	1/0	1/3	1/3	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	3/4	1/3L	1/2L	1/1	sal ammoniac	
Ammonium difluoride	F ₂ H ₃ N	001341-49-7	50 %	T, C		1/1	1/1	2/0	(4)	0/0	0/0	(4)	1/1	0/0	0/0	1/3	0/0	0/0	0/0	1/1	1/1	1/1	1/0	(3)	2/3	0/0	(3)	1/0	1/0		
Ammonium ferric sulfate	(NH ₄)Fe(SO ₄) ₂	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	1/1	1/1	(1)	1/0	(2)	(1)	0/0	(4)	0/0	0/0		
Ammonium ferrous sulfate	(NH ₄) ₂ Fe(SO ₄) ₂	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 ₄)F	012125-01-8	saturated	T, C		1/1	1/1	1/0	4/4	(2)	1/0	(2)	1/1	0/0	0/0	1/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	2/3	1/1	0/0	(4)	(1)	(1)	?	
Ammonium fluoride	(NH ₄)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	1/1	1/1	1/1	1/0	2/3	1/1	0/0	(4)	1/3	1/3	1/1	
Ammonium glycolate	C ₂ H ₃ NO ₃	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 ₄) ₆ Mo ₇ O ₂₄	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 ₃ + H ₂ O	001336-21-6	30 %	C, N		1/1	1/2	(3)	4/4	2/4	1/2	1/2	2/3	1/2	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 ₃ + H ₂ O	001336-21-6	5 %	Xi		1/1	1/1	(2)	3/4	(2)	1/1	1/2	1/1	1/3	2/2	1/1	0/0	0/0	1/1	1/1	1/1	(2)	1/0	(2)	2/3	0/0	1/1	1/1	1/1	1/1	
Ammonium hydroxide	NH ₃ + H ₂ 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 ₄)NO ₃	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 ₄)NO ₃	006484-52-2	saturated	O		1/3	1/1	1/0	1/0	(2)	1/1	2/4	1/1	1/0	1/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/0	2/2	1/1	0/0	(2)	1/1	1/1	1/1	
Ammonium nitrite	(NH ₄)NO ₂	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	0/0	1/1	1/1	1/1	(3)	1/0	0/0	(2)	(1)	(1)			
Ammonium oxalate	C ₂ H ₂ N ₂ O ₄	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 ₄) ₂ S ₂ O ₈	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 ₄) ₂ S ₂ O ₈	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 ₄)H ₂ PO ₄	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 ₄ PO ₃) _n	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 ₄) ₂ SO ₄	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 ₄) ₂ SO ₄	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 ₄) ₂ 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 ₄) ₂ 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 ₃ N ₂ 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 ₇ H ₁₄ O ₂	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 ₈ H ₁₇ 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 ₁₄ H ₁₆ 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 ₆ H ₅ 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 ₆ H ₅ 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	0/0	4/4	0/0	(1)	(1)	(3)	4/4	(3)	4/4	0/0	(1)	(1)	(1)	0/0	
Anisole	C ₇ H ₈ 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	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	(1)	1/0	1/1	1/0	1/2	1/1	0/0	(1)	1/1	1/1		glycol-water-mixture	
Antimony pentachloride	SbCl ₅	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	(2)	(2)	(2)	4/4	0/0	(3)	(4)	(4)	0/0			
Antimony trichloride	SbCl ₃	010025-91-9	90 %	C		1/1	1/1	4/4	1/0	0/0	0/0	4/4	1/1	0/0	0/0	1/0	0/0	0/0	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 ₃	010025-91-9	anhydrous	C		0/0	0/0	4/4	1/0	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		NBR	SI	AL	V2A	V4A	Hastelloy C
Butter	—	—	—	—	—	1/0	1/0	1/0	1/0	1/0	0/0	1/1	1/1	1/1	0/0	0/0	0/0	1/1	0/0	1/1	1/1	(1)	3/0	1/0	1/1	0/0	(1)	(1)	(1)	(1)	
Butyl acetate, normal	C ₈ H ₁₆ O ₂	000123-86-4	100 %	—	X	2/2	2/3	1/0	4/4	3/0	3/3	(2)	3/4	4/4	4/4	4/4	4/4	1/2	1/1	1/1	1/4	3/0	4/4	4/4	0/0	1/1	(1)	(1)	(1)	4/4	
Butyl acrylate	C ₈ H ₁₂ O ₂	000141-32-2	100 %	Xi	X	1/2	2/3	2/0	4/4	1/3	2/3	(2)	3/4	4/4	4/4	4/4	4/4	1/1	1/1	1/1	1/3	4/4	4/4	4/4	0/0	1/1	1/1	1/1	1/0		
Butyl alcohol, normal	C ₄ H ₁₀ O	000071-36-3	techn. pure	Xn	X	1/1	1/3	1/0	2/3	1/0	1/2	1/2	1/2	1/2	2/3	2/3	4/4	1/3	1/1	1/1	1/1	2/0	3/4	1/0	0/0	1/1	(1)	(1)	0/0	Propyl carbinol; Butanol	
Butyl alcohol, sec-	C ₄ H ₁₀ O	000078-92-2	—	Xn	X	1/1	1/2	(1)	2/3	1/0	1/2	(1)	1/2	2/2	2/3	2/2	0/0	0/0	1/1	1/1	1/1	3/0	(1)	(2)	0/0	1/1	(1)	(1)		Butanol, -2; Methyl ethyl carbinol; Butylene hydrate	
Butyl alcohol, tert-	C ₄ H ₁₀ O	000075-65-0	—	F, Xn	X	1/1	1/2	(1)	2/3	1/0	1/2	(1)	1/2	1/1	2/3	1/2	0/0	0/0	1/1	1/1	1/1	3/0	(1)	(2)	0/0	1/1	(1)	(1)			
Butyl aldehyde	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Butyl carbinol, n-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Butyl ether, (Di-) n-	C ₈ H ₁₈ O	000142-96-1	techn. pure	Xi	X	3/4	1/4	(2)	(3)	1/0	(4)	(1)	3/4	0/0	3/0	4/4	0/0	0/0	(1)	1/1	1/1	4/4	4/4	4/4	0/0	1/1	(1)	(1)	0/0	Butoxybutane, 1-;	
Butyl ethylene	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Butyl stearate	C ₂₂ H ₄₄ O ₂	000123-95-5	100 %	Xi	—	0/0	0/0	(1)	(3)	1/0	0/0	(2)	(2)	0/0	0/0	1/0	1/0	0/0	(1)	(1)	(1)	4/4	1/0	4/4	0/0	(1)	1/1	1/1	0/0		
Butylamine	C ₄ H ₁₁ N	000109-73-9	—	F, C	X	0/0	0/0	0/0	(3)	0/0	0/0	3/4	2/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	4/4	4/4	0/0	(1)	(1)	(1)	0/0		
Butylene glycol	C ₄ H ₁₀ O ₂	—	techn. pure	—	—	1/1	1/1	1/0	1/0	1/0	0/0	1/1	0/0	0/0	1/3	0/0	0/0	1/1	1/1	1/1	1/1	1/0	4/4	(1)	0/0	1/1	(1)	0/0		isomer not indicated in the source	
Butylene hydrate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Butylphenol	C ₁₀ H ₁₄ O	—	100 %	Xi	—	0/0	1/1	(3)	(3)	0/0	(3)	(4)	1/1	0/0	0/0	3/4	4/4	0/0	(1)	1/1	1/1	4/4	3/0	4/4	0/0	1/1	1/1	1/1	1/1	isomer not indicated in the source	
Butylphenol, p-tert	C ₁₁ H ₁₆ NO	000098-54-4	techn. pure	C, Xn	—	3/0	0/0	(3)	(3)	0/0	(3)	(4)	1/0	0/0	0/0	3/0	0/0	0/0	(1)	1/0	1/1	4/4	3/0	4/4	0/0	1/1	1/1	1/1			
Butyraldehyde	C ₄ H ₈ O	000123-72-8	—	F, Xn	X	0/0	0/0	(3)	(3)	0/0	(4)	(2)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(2)	(3)	3/0	4/4	4/4	0/0	(1)	(1)	(1)		Butanal; Butyl aldehyde	
Butyric acid	C ₄ H ₈ O ₂	000107-92-6	—	C	—	3/4	4/4	3/3	4/4	0/0	4/4	4/4	4/4	2/2	2/4	4/4	4/4	1/1	1/1	1/1	1/1	4/4	3/4	4/4	0/0	1/2	1/2	1/1	1/1		
Cadmium bromide	CdBr	007789-42-6	—	T	—	1/1	1/1	(3)	(2)	0/0	(3)	(1)	1/1	0/0	0/0	0/0	1/1	0/0	1/1	1/1	(1)	(2)	(2)	(2)	0/0	4/4	0/0	0/0			
Calcium bicarbonate	Ca(HCO ₃) ₂	—	saturated	—	—	1/1	1/1	1/1	(1)	(1)	0/0	1/1	1/1	0/0	0/0	1/0	1/0	0/0	1/1	1/1	1/1	1/0	(1)	(1)	0/0	(2)	(1)	(1)	0/0		
Calcium bisulfite	Ca(HSO ₃) ₂	013780-03-5	saturated	Xn	—	1/1	1/1	(3)	(2)	0/0	0/0	4/4	1/1	0/0	0/0	1/0	0/0	0/0	1/1	1/1	1/1	4/4	1/0	3/3	0/0	(3)	1/1	1/3	1/1		
Calcium bisulfite	Ca(HSO ₃) ₂	013780-03-5	aqueous	Xn	—	1/1	1/1	(3)	(2)	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	4/4	1/0	3/3	0/0	(3)	1/1	1/3	1/1		
Calcium bromide	CaBr ₂	007789-41-5	—	?	—	1/1	1/1	(2)	(1)	(2)	0/0	(3)	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	(3)	0/0	0/0	0/0		
Calcium carbide	CaC ₂	000075-20-7	—	F	X	1/1	1/1	(2)	(2)	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(1)	(2)	(2)	(2)	0/0	(3)	(1)	(1)	0/0	carbide, reacts with water to acetylene - highly flammable!		
Calcium carbonate	CaCO ₃	000471-34-1	saturated	—	—	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	small solubility - no chemical effect expected
Calcium chlorate	Ca(ClO ₃) ₂	010137-74-3	saturated	O, (T)	—	0/0	0/0	(3)	(2)	0/0	1/1	(3)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	(1)	1/1	(2)	(1)	(3)	0/0	1/1	(1)	1/0	1/1		
Calcium chloride	CaCl ₂	010043-52-4	alkoholic	F, Xi	—	1/0	0/0	4/4	(2)	0/0	1/0	(3)	1/1	0/0	0/0	0/0	4/4	0/0	1/1	1/0	(1)	(2)	(2)	(2)	0/0	(3)	1/2L	1/2L	1/1		
Calcium chloride	CaCl ₂	010043-52-4	aqueous	Xi	—	1/1	1/1	1/0	1/0	1/1	(3)	1/1	1/1	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	0/0	3/3	1/2L	1/2L	1/1			
Calcium hydroxyde	CaH ₂ O ₂	001305-62-0	aqueous	(Xi)	—	1/1	1/1	1/0	4/4	1/0	1/1	1/1	1/1	1/1	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/1	1/0	0/0	3/4	1/1	1/1	0/0		
Calcium hydroxyde	CaH ₂ O ₂	001305-62-0	concentrated	C	—	1/1	1/1	1/0	4/4	1/0	1/1	1/1	1/1	2/2	2/2	1/1	1/0	0/0	1/1	1/1	1/1	1/3	1/0	1/1	1/0	0/0	3/4	1/1	1/1	0/0	
Calcium hypochlorite	Ca(OCl) ₂	007778-54-3	saturated	O, C	—	1/1	1/1	1/4	3/4	3/0	1/2	1/0	1/1	2/3	3/0	1/1	1/1	1/1	1/1	1/1	1/3	(2)	2/3	4/4	0/0	4/4	3/0	2/0	1/1	bleaching powder	
Calcium hypochlorite	Ca(OCl) ₂	007778-54-3	aqueous	O, C/Xi	—	0/0	0/0	4/4	1/0	3/0	0/0	1/0	1/1	1/3	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	2/3	4/4	0/0	4/4	3/0	2/0	1/1	bleaching powder	
Calcium nitrate	Ca(NO ₃) ₂	010124-37-5	50 %	O	—	1/1	1/1	(2)	1/0	(2)	1/1	(3)	1/1	1/1	0/0	1/0	1/0	0/0	1/1	1/1	1/1	1/0	1/0	4/4	0/0	1/0	1/1	1/1	1/1		
Calcium nitrate	Ca(NO ₃) ₂	010124-37-5	aqueous	O	—	1/1	1/1	(2)	(1)	(2)	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/0	1/1	1/1	1/1		
Calcium oxide	CaO	001305-78-8	powder	C	—	1/0	1/1	(2)	(2)	(2)	0/0	0/0	1/1	1/1	0/0	1/0	1/0	1/1	1/1	1/1	(1)	1/0	1/0	1/0	0/0	(3)	1/1	1/1			
Calcium phosphate	Ca ₃ (PO ₄) ₂	007758-87-4	aqueous	—	—	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	small solubility - no chemical effect expected
Calcium phosphate	Ca ₃ (PO ₄) ₂	007758-87-4	—	—	—	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	small solubility - no chemical effect expected
Calcium sulfate	CaSO ₄	007778-18-9	saturated	—	—	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/3	1/1	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/0	1/1	1/1	1/1	0/0	plaster
Calcium sulfide	CaS	020548-54-3	aqueous	C	—	0/0	0/0	(2)	(2)	0/0	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	0/0	1/0	(1)	(1)	0/0		
Calcium sulfide	CaS	020548-54-3	—	C	—	0/0	3/3	(2)	(2)	0/0	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	3/3	0/0	1/0	(1)	(1)	0/0		
Calciumacetat	C ₄ H ₈ CaO ₄	000062-54-4	aqueous	—	—	1/1	1/1	(2)	(1)	(2)	0/0	(1)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(1)	1/0	4/4	3/3	0/0	(2)	(1)	(1)	0/0	
Camphor	C ₁₀ H ₁₆ O	000464-48-2 / -49-2	—	F, Xn	X	3/4	3/4	(2)	(3)	0/0	0/0	(2)	1/0	1/3	0/0	4/4	4/4	1/1	0/0	(1)	(0)	(3)	4/4	3/4	1/0	0/0	(1)				

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics													fluoroplastics		elastomers		metals		COMMENT					
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FPM / FKM		NBR	SI	AL	V2A	V4A
Dimethylaniline	C ₉ H ₁₁ 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	0/0	(1)	(1)	(2)	3/0	4/4	4/4	0/0	(1)	(1)	(1)	0/0	isomer not indicated in the source
Dinitro ethylene glycol	C ₂ H ₄ (NO ₂) ₂	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	0/0	(1)	(1)	(3)	1/0	1/0	4/4	0/0	0/0	(1)	(1)	0/0	
Dinonyl phthalate (DNP)	C ₂₆ H ₄₂ O ₄	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	0/0	(1)	1/0	(2)	(3)	4/4	4/4	0/0	(1)	(1)	(1)	plasticiser	
Diocyl adipate	C ₂₂ H ₄₂ O ₄	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	0/0	(1)	1/1	(2)	(3)	(3)	4/4	0/0	(1)	(1)	(1)	plasticiser	
Diocyl phthalate (DOP)	C ₂₂ H ₃₈ O ₄	000117-81-7	techn. pure	Xn	4/4	4/4	1/0	4/4	1/0	1/0	(2)	4/4	4/4	1/0	4/4	4/4	0/0	0/0	1/1	1/0	(2)	3/0	2/3	4/4	0/0	(1)	(1)	(1)	plasticiser	
Diocyl sebacate	C ₂₆ H ₅₀ O ₄	002432-87-3	—	—	0/0	0/0	(2)	(3)	0/0	0/0	(2)	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	2/0	3/0	4/4	0/0	(1)	(1)	(1)	plasticiser	
Dioxane	C ₄ H ₈ O ₂	000123-91-1	—	F, Xn	X	2/2	2/3	1/0	4/4	1/0	2/3	1/2	3/3	4/4	2/3	3/4	4/4	1/3	1/1	1/1	3/3	2/0	4/4	4/4	0/0	1/1	1/0	1/0	0/0	
Diphenyl ether	C ₁₂ H ₁₀ O	000101-84-8	—	Xn/Xi	0/0	1/0	3/0	(3)	(4)	0/0	1/1	4/4	4/4	0/0	0/0	4/4	4/4	0/0	(1)	1/0	(2)	4/4	3/0	4/4	0/0	(1)	(1)	(1)	0/0	
Diphenylamine	C ₁₂ H ₁₁ N	000122-39-4	—	T	0/0	0/0	0/0	(3)	0/0	0/0	(2)	(3)	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(3)	(3)	(4)	0/0	(1)	(1)	(1)	0/0		
Diphenyl	—	008004-13-5	—	?	0/0	0/0	1/1	(3)	4/4	0/0	1/1	4/4	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	3/0	4/4	0/0	(1)	(1)	(1)	0/0	mixture with diphenyl and diphenyl ether; Bayer
Dipropyl ketone	C ₇ H ₁₄ O	000123-19-3	—	X	0/0	0/0	(3)	(4)	(4)	(4)	1/0	(3)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	(4)	4/4	0/0	(1)	(1)	(1)	0/0	
Dipropylene glycol	C ₈ H ₁₄ O ₃	025265-71-8	—	Xi	1/1	1/1	(2)	2/3	0/0	1/1	1/0	1/1	1/1	2/2	2/3	0/0	0/0	1/1	1/1	(1)	(2)	4/4	3/0	3/3	0/0	(1)	(1)	(1)	0/0	
Dipropylene glycol (mono)methyl ether	C ₈ H ₁₆ O ₂	—	—	—	X	0/0	0/0	(3)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(2)	(3)	(3)	4/4	0/0	(1)	(1)	(1)	0/0	isomer not indicated in the source
Disodium phosphate	Na ₂ HPO ₄	007558-79-4	—	(Xi)	1/1	1/1	1/0	(2)	1/0	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/0	(1)	0/0	(1)	1/1	1/1	0/0	
Dispersion of rubber	—	—	—	?	0/0	0/0	1/0	(2)	(2)	0/0	2/3	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	(3)	(1)	(2)	0/0	(3)	(1)	(1)	0/0	latex
Dithionous acid, disodium salt	-> see: Sodium hydrosulfite																													
Divinylene oxide	-> see: Furan																													
Dope, viscous ~	—	—	—	(Xn, Xi)	1/1	1/1	4/4	(3)	0/0	0/0	1/1	0/0	0/0	1/1	1/1	0/0	0/0	(1)	1/1	1/1	(3)	(2)	4/4	0/0	(3)	3/4	2/4	0/0		
Emulsifiers	—	—	—	?	0/0	0/0	(2)	0/0	0/0	0/0	0/0	1/1	0/0	0/0	0/0	0/0	0/0	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	(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	0/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	
Epichlorhydrin	C ₂ H ₅ 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
Epoxyp propane, 1,2-	-> see: Propylene oxid																													
Ethanal	-> see: Acetaldehyde																													
Ethanedioic acid	-> see: Oxalic acid																													
Ethanenitrile	-> see: Acetonitrile																													
Ethanoyl chloride	-> see: Acetyl chloride																													
Ethoxybenzene	C ₈ H ₁₀ 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	(1)	(1)	(2)	4/4	4/4	4/4	0/0	(1)	(1)	(1)	0/0	Ethyl phenyl ether; Phenyl ethyl ether; Phenetole
Ethyl acetate	C ₄ H ₈ O ₂	000141-78-6	100 %	F	X	1/3	3/4	1/0	4/4	4/4	4/4	1/1	1/3	4/4	4/4	4/4	4/4	1/2	1/1	1/1	3/3	3/0	4/4	4/4	0/0	1/1	(1)	(1)	1/0	
Ethyl acrylate	C ₈ H ₁₀ O ₂	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	1/0
Ethyl alcohol	C ₂ H ₆ O	000064-17-5	40 %	—	X	1/1	1/2	1/0	1/2	1/1	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 ₂ H ₆ 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	1/0	3/0	0/0	0/0	1/1	1/1	1/1	1/0	(2)	1/1	0/0	1/1	1/1	1/1	
Ethyl alcohol	C ₂ H ₆ 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	
Ethyl aldehyde	-> see: Acetaldehyde																													
Ethyl benzoate	C ₈ H ₁₀ O ₂	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)	0/0	
Ethyl butyrate	C ₈ H ₁₂ O ₂	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	0/0	(1)	(1)	(1)	0/0	
Ethyl chloride	-> see: Monochloroethane																													
Ethyl chloroacetate	C ₄ H ₇ ClO ₂	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 ₃ H ₇ NO ₂	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 ₃ H ₆ O ₂	000109-94-4	—	F	X	0/0	0/0	0/0	(4)	0/0	(4)	(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)	0/0	
Ethyl lactate	C ₅ H ₁₀ O ₃	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)	0/0	
Ethyl mercaptan	C ₂ H ₆ 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	(1)	(1)	(2)	(3)	(3)	4/4	0/0	(1)	(1)	(1)	0/0	
Ethyl phenyl ether	-> see: Ethoxybenzene																													
Ethyl silicate	C ₂ H ₆ SiO ₄	000078-10-4	—	Xn	X	0/0	0/0	(2)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	(3)	1/0	0/0	(1)	(1)	(1)	0/0	
Ethylbenzene	C ₈ H ₁₀	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 ₂ H ₄	000074-85-1	—	F+	X	0/0	0/0	1/0	(2)	0/0	1/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(3)	3/0	3/3	0/0	(1)	(1)	(1)	0/0	
Ethylene dibromiden (EDB)	C ₂ H ₄ Br ₂	000106-93-4	—	T	(4)	(4)	(2)	(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	NBR	SI	AL	V2A	V4A	Haselloy C	
Hydrogen sulfide	H ₂ S	007783-06-4	saturated	F+, T+	X	1/1	1/1	1/0	1/0	0/0	0/0	1/0	1/1	3/0	1/0	1/3	3/3	1/0	0/0	1/3	0/0	(1)	1/1	1/0	(3)	4/4	0/0	1/1	1/1	1/1	0/0	
Hydroquinone	C ₆ H ₄ O ₂	000123-31-9	saturated	Xn		0/0	1/3	4/4	(3)	1/0	0/0	(3)	1/0	4/4	0/0	1/0	0/0	1/3	0/0	(1)	1/1	(3)	4/4	4/4	4/4	0/0	(1)	1/0	1/0	0/0	Hydroquinol; Quinol	
Hydroxylaluminium di(acetate)	C ₆ H ₇ AlO ₂	000139-12-8	aqueous	Xn		1/1	1/1	1/1	(1)	1/0	1/1	0/0	0/0	1/3	1/3	0/0	1/1	1/1	(1)	1/0	(3)	3/0	0/0	1/1	1/1	1/1	0/0					
Hydroxylamine disulfate	H ₂ N ₂ SO ₆	010039-54-0	12 %	Xn		1/1	1/1	0/0	(2)	0/0	0/0	(3)	1/1	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	1/0	1/0	1/3	0/0	(4)	1/1	1/1	1/1			
Hydroxylamine disulfate	H ₂ N ₂ SO ₆	010039-54-0	each	Xn		1/1	0/0	0/0	(2)	0/0	0/0	(3)	1/1	0/0	0/0	1/0	0/0	0/0	(1)	(1)	(2)	1/0	1/0	1/3	0/0	(4)	1/1	1/1	1/1			
Hydroxymethyl furfural, 5- (HMF)	C ₆ H ₆ O ₅	000067-47-0		Xi		0/0	0/0	(3)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	0/0	0/0	4/4	0/0	(1)	(1)	(3)	(3)	(3)	4/4	0/0	(1)	(1)	(1)			
Imidole	-> see: Pyrrole																															
Iodine pentafluoride	JF ₅	007783-66-6		(T, C)		0/0	0/0	4/4	(4)	(4)	0/0	4/4	(3)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(2)	(3)	4/4	4/4	4/4	0/0	(3)	0/0	0/0			
Iodine, tincture of	I ₂	007553-56-2		Xn	(X)	1/3	1/3	4/4	3/4	0/0	1/1	1/1	1/2	3/3	0/0	4/4	4/4	3/3	1/1	0/0	1/1	1/1	2/0	1/1	3/3	0/0	1/0	2/0L	1/0L	1/1		
Iodoform	CHI ₃	000075-47-8	100 %	Xn		3/0	3/0	(3)	3/0	0/0	0/0	(2)	3/0	3/0	0/0	4/4	4/4	0/0	(1)	1/0	(2)	1/0	1/0	(3)	0/0	(3)	(1)	(1)	1/1		Triiodomethane;	
Isoamyl alcohol	C ₇ H ₁₄ O	000123-51-3		Xn	X	0/0	0/0	(2)	3/0	1/0	0/0	1/0	1/1	1/3	0/0	0/0	0/0	1/3	0/0	(1)	1/1	1/1	3/0	2/4	3/3	0/0	(1)	(1)	(1)			
Isobutanol	C ₄ H ₁₀ O	000078-83-1		Xn	X	1/1	1/1	(2)	1/2	(2)	1/2	1/0	1/1	2/2	1/2	1/2	0/0	3/4	1/1	1/1	(1)	1/1	1/0	1/0	3/4	0/0	1/0	(1)	(1)	0/0	Methyl-1-propanol, 2-; Isopropyl carbinol; Isobutyl alcohol	
Isobutyl acetate	C ₈ H ₁₆ O ₂	000110-19-0		F	X	0/0	0/0	(2)	(4)	0/0	(4)	1/0	(3)	4/4	0/0	3/0	4/4	0/0	0/0	(1)	1/0	(2)	2/0	4/4	4/4	0/0	(1)	(1)	(1)	0	Methylpropyl acetate, 2-; Methylpropyl ethanoate, Beta-	
Isobutyl alcohol	-> see: Isobutanol																															
Isobutyltrimethylmethane	-> see: Trimethylpentane, 2,2,4-																															
ISO-Fluid	---	---	liquid	Xn, N	X	0/0	2/3	(1)	(3)	1/0	(4)	1/0	3/4	4/4	0/0	1/3	0/0	1/3	0/0	(1)	1/1	(1)	4/4	1/1	1/0	0/0	1/1	1/1	1/1	0/0		
ISO-Fluid A	---	---		(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	1/0	0/0	(1)	(1)	(1)				
ISO-Fluid B	---	---		(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	3/0	0/0	(1)	(1)	(1)				
ISO-Fluid C	---	---		(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	3/0	0/0	(1)	(1)	(1)				
ISO-Fluid D	---	---		(Xn, N)	(X)	0/0	0/0	(2)	(3)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	0/0	4/4	0/0	(1)	(1)	(1)				
Iso-octane	-> see: Trimethylpentane, 2,2,4-																															
Isopropyl acetate	C ₇ H ₁₄ O ₂	000108-21-4		F, Xi	X	1/2	2/3	1/0	4/4	(3)	2/3	1/0	2/3	4/4	4/4	4/4	4/4	0/0	1/2	1/1	1/1	(3)	3/0	4/4	4/4	0/0	(1)	(1)	(1)	0/0		
Isopropyl alcohol	C ₃ H ₈ O	000067-63-0	techn. pure	F	X	1/1	1/1	1/0	1/2	1/0	1/2	1/0	1/1	2/2	1/2	1/2	4/4	1/4	1/1	1/1	1/1	1/1	1/0	1/1	3/3	0/0	(2)	(1)	(1)	0/0		
Isopropyl carbinol	-> see: Isobutanol																															
Isopropyl chloride	C ₃ H ₇ Cl	000075-29-6		F, Xn	X	0/0	0/0	(2)	(4)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	1/0	4/4	0/0	(3)	0/0	0/0			
Jam	---	---				1/1	1/1	(1)	1/1	1/1	0/0	(2)	1/1	1/1	0/0	1/3	0/0	1/1	1/1	1/1	1/1	1/1	(2)	(1)	(1)	0/0	(2)	1/1	1/1	1/1		
Juices	---	---				1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/0	0/0	1/1	1/1	0/0	1/1	1/1	1/1	1/0	1/1	1/1	0/0	(2)	1/1	1/1	1/1			
Kapsolat	-> see: Ethylene glycol monomethyl ether oleate																															
Kerosene	---	008008-20-6		(Xn)		2/2	3/4	(1)	4/4	1/1	2/3	1/1	3/3	4/4	2/3	1/1	0/0	0/0	2/3	1/1	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1	0/0	lamp oil	
Kerosene	---	---	techn. pure	Xn, N	X	1/3	3/4	1/0	3/0	(1)	0/0	1/1	1/3	4/4	1/0	1/0	3/0	3/4	0/0	(1)	1/1	1/1	4/4	1/0	1/1	0/0	(2)	(1)	(1)	1/1		
Lactames	---	---		?		0/0	0/0	0/0	0/0	0/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	0/0	4/4	4/4	4/4	0/0	(2)	(1)	(1)			cyclic amides	
Lactic acid	C ₃ H ₅ O ₃	000050-21-5	3 %	?		1/1	1/2	(3)	1/2	1/0	1/2	2/4	1/2	2/2	1/1	2/3	0/0	1/1	1/1	1/1	1/1	1/1	3/4	1/1	(2)	0/0	(1)	1/1	1/1	1/1	lactol	
Lactic acid	C ₃ H ₅ O ₃	000050-21-5	80 %	C		1/1	1/1	3/4	1/2	0/0	1/2	3/4	1/1	1/1	2/3	2/3	1/1	1/2	1/1	1/1	1/3	3/4	1/1	1/4	0/0	1/0	1/3	1/2	1/1	1/1	lactol	
Lactic acid	C ₃ H ₅ O ₃	000050-21-5	85 %	C		1/1	1/1	3/4	1/2	0/0	1/2	3/4	1/2	2/2	1/1	2/3	2/3	1/1	1/2	1/1	1/1	1/3	3/4	1/1	1/4	0/0	1/0	1/3	1/2	1/1	lactol	
Lactose	C ₁₂ H ₂₂ O ₁₁	000063-42-3	aqueous	---		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	(1)	1/1	1/1	0/0		
Lanolin	---	008006-54-0	techn. pure	---		3/3	3/3	1/0	1/0	0/0	(2)	3/3	1/1	0/0	3/3	3/3	1/1	0/0	(1)	1/1	1/1	4/4	1/1	1/1	0/0	(1)	1/1	1/1	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	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)	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	0/0	1/1	0/0	(1)	(1)	(1)	(2)	(1)	(2)	0/0	(1)	(1)	(1)			
Lauryl alcohol	C ₁₂ H ₂₆ O	000112-53-8	100 %	Xi		0/0	0/0	(2)	(2)	1/0	0/0	(2)	1/1	1/1	0/0	1/1	0/0	1/1	0/0	(1)	1/1	1/1	3/0	1/0	3/3	0/0	(1)	(1)	(1)	0/0		
Lauryl chloride	C ₁₂ H ₂₅ 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				
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)	(2)	4/4	1/0	3/0	0/0	(1)	(1)	(1)				
Lead acetate	C ₄ H ₆ PbO ₄	000301-04-2	aqueous	T, N		1/1	1/1	3/0	1/0	(2)	1/0	1/0	1/1	1/1	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	2/2	3/0	0/0	4/4	1/1	1/1			
Lead acetate	C ₄ H ₆ PbO ₄	000301-04-2		T, N		1/1	1/1	3/0	1/0	(2)	0/0	1/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	2/2	2/2	0/0	4/4	1/1	1/1			
Lead nitrate																																

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	NBR	SI	AL	V2A	V4A
Magnesium bromide	MgBr ₂	007789-48-2		Xi		1/1	1/1	(2)	(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)	(2)	0/0	(3)	0/0	0/0		
Magnesium carbonate	MgCO ₃	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	
Magnesium chloride	MgCl ₂	007786-30-3	aqueous	Xi		1/1	1/1	1/0	1/0	1/0	1/2	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	
Magnesium chlorite	Mg(ClO ₂) ₂	??		O		0/0	0/0	0/0	0/0	0/0	0/0	1/1	0/0	0/0	0/0	0/0	0/0	1/1	0/0	0/0	1/1	0/0	0/0	0/0	0/0	1/1	0/0	0/0	0/0	
Magnesium hydroxide	Mg(OH) ₂	001309-42-8	saturated	—		1/1	1/1	1/0	(2)	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	2/0	1/1	1/1	1/1	0/0	
Magnesium iodide	MgI ₂	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)	(2)	0/0	(2)	0/0	0/0	
Magnesium nitrate	Mg(NO ₃) ₂	010377-60-3	saturated	O, Xi		1/1	1/1	1/0	(2)	(1)	1/0	1/1	1/0	0/0	1/1	1/0	0/0	1/1	1/1	1/1	1/1	1/1	(1)	(2)	0/0	1/0	1/0	1/0	1/1	
Magnesiumsulfat	MgSO ₄	007487-88-9	each	—		1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	2/0	0/0	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	1/1	
Maleic acid	C ₄ H ₂ O ₄	000110-16-7	saturated	Xn		1/1	1/1	4/4	(3)	0/0	0/0	(3)	1/1	0/0	0/0	1/3	1/0	0/0	1/1	1/1	1/1	1/1	4/4	1/1	4/4	1/1	1/1	1/1	1/1	
Maleic acid	C ₄ H ₂ O ₄	000110-16-7	aqueous	Xn		1/1	1/1	4/4	(3)	0/0	0/0	(3)	1/1	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	1/0	0/0	0/0	1/1	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	(1)	1/1	1/1	1/1	
Menthol	C ₁₀ H ₂₀ O	000089-78-1	solid	Xi		1/3	3/4	3/0	3/4	0/0	(2)	1/3	4/4	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	3/0	1/0	3/3	0/0	(1)	1/0	1/0	1/0	
Mercuric chloride	HgCl ₂	007487-94-7	aqueous	T+, C		1/1	1/1	4/4	1/0	(2)	1/1	3/0	1/1	1/3	1/0	1/3	1/0	1/1	1/1	1/1	1/1	1/0	1/1	1/3	0/0	4/4	(4)	(4)	1/1	
Mercuric cyanide	C ₂ HgN ₂	000592-04-1	saturated	T+		1/1	1/1	(3)	(2)	0/0	(3)	1/1	0/0	0/0	1/3	0/0	0/0	(1)	1/1	1/1	(1)	1/1	(2)	0/0	4/4	1/0	1/1	1/1	1/1	
Mercuric nitrate	Hg(NO ₃) ₂	010045-94-0	saturated	(T+)		1/1	1/1	1/0	(2)	(0/0)	(3)	1/1	1/0	0/0	1/3	1/0	0/0	(1)	1/1	1/1	1/1	1/0	1/1	1/3	0/0	4/4	1/1	1/1	1/1	
Mercury	Hg	007439-97-6	pure	T		1/1	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	3/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	(3)	1/1	1/1	1/1	
Mesityl oxide	C ₉ H ₁₀ O	000141-79-7		Xn	X	0/0	0/0	(2)	(4)	(4)	(4)	(2)	(3)	4/4	0/0	0/0	0/0	4/4	0/0	(1)	1/1	0/0	3/0	4/4	4/4	0/0	(1)	(1)	(1)	
Methacetone	—	—		-> see: Pentanone, 3-																										
Methacrylic acid	C ₄ H ₆ O ₂	000079-41-4		C		1/0	1/1	4/4	4/4	0/0	0/0	4/4	1/1	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(3)	3/0	4/4	4/4	0/0	(4)	0/0	0/0	0/0	
Methane	CH ₄	000074-82-8	techn. pure	F+	X	1/0	0/0	1/0	1/0	1/0	0/0	1/0	1/0	0/0	0/0	1/0	0/0	0/0	0/0	1/1	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1	0/0
Methanoic acid	—	—		-> see: Formic acid																										
Methenamine	—	—		-> see: Hexamethylenetetramine																										
Methoxy butanol	C ₄ H ₁₀ O ₂	—	100 %	?	X	0/0	1/3	(2)	(3)	0/0	0/0	(2)	1/3	0/0	0/0	0/0	0/0	0/0	(1)	1/1	(2)	3/0	1/0	1/0	0/0	(1)	(1)	(1)	isomer not indicated in the source	
Methoxyethane	C ₃ H ₈ O	000540-67-0	100 %	(F+)	X	0/0	3/0	(1)	(4)	0/0	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	1/0	(2)	4/4	4/4	4/4	0/0	1/1	(1)	(1)	Methyl ethyl ether;	
Methoxyethyl oleate	—	—		-> see: Ethylene glycol monomethyl ether oleate																										
Methyl acetate	C ₄ H ₈ O ₂	000079-20-9	techn. pure	F	X	1/0	1/1	1/0	4/4	3/0	(4)	2/0	1/3	4/4	0/0	4/4	4/4	4/4	0/0	1/0	1/1	1/4	3/0	4/4	4/4	0/0	(1)	1/1	1/1	0/0
Methyl acrylate	C ₅ H ₈ O ₂	000096-33-3		F, Xn	X	0/0	0/0	(2)	4/4	(4)	(4)	(2)	(2)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(3)	4/4	4/4	4/4	4/4	0/0	(1)	(1)	(1)	
Methyl alcohol	CH ₃ O	000067-56-1		F, T	X	1/1	1/1	2/0	4/4	1/0	1/1	1/1	1/1	3/4	3/3	1/3	3/3	3/4	1/1	1/1	1/1	1/0	3/4	3/3	0/0	1/0	1/1	1/1		
Methyl amine	CH ₃ N	000074-89-5	32 %	F+, C	X	1/0	1/0	4/4	4/4	0/0	0/0	1/0	1/0	0/0	0/0	3/0	4/4	0/0	(1)	1/0	3/0	1/0	4/4	4/4	0/0	1/0	1/0	1/0	0/0	
Methyl benzene	C ₆ H ₆	000108-88-3		F, Xn	X	3/4	3/4	1/0	4/4	1/0	3/3	1/3	3/4	4/4	4/4	4/4	4/4	1/1	1/1	1/0	1/1	4/4	3/4	4/4	0/0	1/1	1/1	1/1	1/1	
Methyl bromide	CH ₃ Br	000074-83-9	techn. pure	T		3/0	4/4	1/0	(3)	0/0	0/0	1/0	4/4	4/4	0/0	4/4	4/4	0/0	0/0	1/0	1/0	1/1	4/4	1/0	4/4	0/0	4/4	1/1L	1/1L	0/0
Methyl butanol	C ₅ H ₁₂ O	—		Xn	X	0/0	0/0	(2)	(2)	1/0	0/0	1/0	1/0	0/0	0/0	1/3	0/0	(1)	1/1	1/1	3/0	2/2	3/3	0/0	(1)	(1)	(1)	isomer not indicated in the source		
Methyl butyl ketone	C ₈ H ₁₆ O	000591-78-6		F, T	X	0/0	0/0	(2)	(4)	(4)	(2)	(3)	4/4	0/0	0/0	0/0	0/0	(1)	(1)	(3)	1/0	4/4	4/4	0/0	(1)	(1)	(1)			
Methyl cellosolveat oleate	—	—		-> see: Ethylene glycol monomethyl ether oleate																										
Methyl chloride	CH ₂ Cl	000074-87-3	techn. pure	F+, T	X	3/0	2/0	4/4	(3)	0/0	0/0	1/0	4/4	4/4	4/4	4/4	4/4	4/4	0/0	1/0	1/0	1/1	4/4	4/4	4/4	0/0	4/4	1/1L	1/1L	
Methyl cyanide	—	—		-> see: Acetonitrile																										
Methyl dichloroacetate	C ₂ H ₂ Cl ₂ O ₂	000116-54-1		(Xn)		1/1	0/0	(3)	(4)	(4)	(3)	1/1	0/0	0/0	4/4	0/0	0/0	(1)	1/1	3/3	4/4	4/4	4/4	0/0	(3)	0/0	0/0			
Methyl ethyl carbinol	—	—		-> see: Butyl alcohol, sec-																										
Methyl ethyl ether	—	—		-> see: Methoxyethane																										
Methyl ethyl ketone (MEK)	C ₄ H ₈ 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 ₂ H ₄ O ₂	000107-31-3		F+	X	0/0	0/0	(2)	4/4	0/0	(4)	(2)	(2)	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	2/0	4/4	4/4	4/4	0/0	(1)	(1)	(1)	0/0
Methyl isobutyl ketone	C ₈ H ₁₆ 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 ₆ H ₁₂ 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 ₅ H ₈ O ₂	000080-62-6	100 %	F, Xi</																										

CHEMICALS	thermoplastics										fluoroelastomers			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	NBR	SI	AL	V2A	V4A	Haselloy C					
Molasses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Molasses wort	—	—	—	?	—	1/1	1/1	1/0	(2)	(2)	0/0	(2)	1/1	0/0	0/0	1/1	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	(2)	(1)	(1)	—	—	—				
Monochlorobenzene (MCB)	-> see: Chlorobenzene																																			
Monochloroethane	C ₂ H ₅ 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	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 ₄ H ₉ 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	—	—	—	?	—	0/0	0/0	1/0	(2)	(1)	0/0	1/1	1/3	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	1/1	4/4	1/0	1/0	0/0	1/1	1/1	1/1	—	—	—	—	—		
Mowilith D	—	—	—	?	—	1/0	0/0	(2)	0/0	(2)	0/0	(2)	1/0	0/0	0/0	1/0	0/0	0/0	0/0	(1)	1/1	1/0	(2)	(2)	(2)	0/0	(2)	(1)	(1)	0/0	—	—	—	dispersion of polyvinyl acetate; Clariant		
Muscat	—	—	ground	?	—	0/0	0/0	(2)	4/4	(2)	0/0	(2)	4/4	0/0	0/0	0/0	3/3	0/0	(1)	(1)	(2)	(2)	(2)	(2)	0/0	(1)	(1)	(1)	—	—	—	—	—			
Mustard	—	—	—	—	—	0/0	0/0	(2)	1/0	(1)	0/0	1/0	1/1	0/0	0/0	1/1	0/0	1/1	0/0	(1)	(1)	(1)	(2)	1/0	1/0	0/0	(2)	1/0L	1/0L	—	—	—	—	—		
Naphtha	—	008032-32-4	—	(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	(1)	1/1	1/1	4/4	1/1	4/4	0/0	1/1	1/1	1/1	1/1	0/0	—	—	—	petroleum ether		
Naphthalene	C ₁₀ H ₈	000091-20-3	100 %	F, Xn	X	0/0	1/3	1/0	(3)	0/0	0/0	1/2	1/3	3/4	1/0	4/4	4/4	1/4	0/0	(1)	1/1	1/3	4/4	1/1	4/4	0/0	1/1	1/1	1/1	0/0	—	—	—	—		
Naphthalene (in alcohol)	—	—	—	F, Xn	X	1/4	1/4	(2)	(3)	0/0	0/0	1/2	1/3	3/4	0/0	0/0	0/0	3/4	0/0	(1)	1/1	(2)	4/4	(3)	(3)	0/0	(1)	(1)	(1)	0/0	—	—	—	—		
Neon	Ne	007440-01-9	—	—	—	0/0	0/0	1/0	(1)	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	1/0	0/0	1/1	1/1	1/1	—	—	—	—	—	—		
Nickel acetate	C ₂ H ₃ NO ₄	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 ₂	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	1/0	1/0	1/0	0/0	4/4	2/0L	2/0L	1/1	—	—	—	—	—		
Nickel dichloride	NiCl ₂	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	0/0	4/4	2/0L	2/0L	1/1	—	—	—	—	—		
Nickel sulfate	NiSO ₄	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	1/0	1/1	1/1	0/0	4/4	1/1	1/1	1/1	—	—	—	—	—		
Nickel sulfate	NiSO ₄	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 ₃) ₂	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 ₁₀ H ₁₄ N ₂	000054-11-5	—	T+	—	1/0	1/0	(3)	(3)	0/0	0/0	(2)	1/0	1/0	0/0	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 ₆ H ₇ NO ₂	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 ₃	007697-37-2	1-10 %	C	—	1/1	1/1	4/4	1/2	(2)	1/1	4/4	1/2	1/1	2/4	1/3	1/2	0/0	1/3	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 ₃	007697-37-2	50 %	C+	—	2/4	3/4	4/4	4/4	(2)	2/4	4/4	3/4	4/4	2/3	2/3	0/0	0/3	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	1/2	1/2	—	—	—	—	—	
Nitric acid	HNO ₃	007697-37-2	66 %	C+	—	2/4	3/4	4/4	4/4	(4)	2/3	4/4	4/4	4/4	3/4	0/0	0/0	1/1	1/1	1/1	1/1	4/4	1/0	4/4	0/0	4/4	1/2	1/2	1/2	—	—	—	—	—		
Nitric acid	HNO ₃	007697-37-2	100 %	O, C+	—	4/4	4/4	4/4	4/4	(4)	0/0	4/4	4/4	0/0	0/0	4/4	0/0	4/4	0/0	0/0	1/1	4/4	4/4	4/4	4/4	0/0	1/1	2/3	3/3	?	—	—	—	—		
Nitric acid	HNO ₃	007697-37-2	70 %	O, C+	—	2/4	3/4	4/4	4/4	(4)	2/3	4/4	4/4	4/4	3/4	0/0	0/0	1/1	1/1	1/1	1/1	4/4	2/3	4/4	0/0	4/4	1/2	1/2	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 ₇ H ₅ NO ₄	—	—	(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	—	—	—	?	X	0/0	0/0	3/0	(4)	0/0	(4)	(3)	(3)	4/4	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	(3)	(4)	4/4	0/0	(1)	(1)	(1)	—	—	—	—	—	solvent cleaner mixture	
Nitrobenzene	C ₆ H ₅ NO ₂	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 ₂ H ₅ NO ₂	000079-24-3	—	Xn	X	0/0	0/0	(3)	(4)	0/0	(3)	(2)	0/0	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 ₂	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	1/1	1/1	1/1	1/1	1/1	1/0	0/0	1/1	1/1	1/1	—	—	—	—	—	—		
Nitrogen hydride	-> see: Hydrazine																																			
Nitrogen tetroxide	N ₂ O ₄	010544-72-6	—	(O), T+, C	—	0/0	0/0	3/0	(3)	1/0	0/0	4/4	1/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	4/4	4/4	4/4	0/0	(2)	(1)	(1)	—	—	—	—	—	—	
Nitroglycerine	C ₃ H ₅ (NO ₃) ₃	000055-63-0	diluted	(E, T+)	—	0/0	0/0	(3)	(3)	0/0	0/0	(2)	(2)	0/0	0/0	3/0	4/4	0/0	0/0	(1)	(1)	0/0	(1)	1/0	(3)	1/0	1/0	4/4	0/0	0/0	0/0	0/0	—	—	—	—
Nitrohydrochloric acid	HNO ₃ + HCl	008007-56-5	—	C	—	4/4	4/4	4/4	4/4	3/3	4/4	4/4	4/4	4/4	4/4	4/4	3/4	1/1	(2)	1/1	3/0	4/4	4/4	4/4	0/0	4/4	4/4	4/4	4/4	4/4	—	—	—	—	—	aqua regia: mixture of hydrochloric acid and nitric acid
Nitropropane	C ₃ H ₇ NO ₂	—	—	(T)	—	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)	—	—	—	—	—	isomer not indicated in the source	
Nitrose gases	—	—	diluted	T	—	1/1	0/0	3/0	4/4	0/0	4/4	1/4	0/0	0/0	1/3	0/0	0/0	0/0	(1)	1/1	1/1	3/0	3/0	4/4	0/0	(2)	(1)	(1)	0/0	—	—	—	—	—	nitrogen monoxide + nitrogen dioxide	
Nitrotoluene	C ₇ H ₇ NO ₂	001321-12-6	techn. pure	T	—	1/3	1/3	4/4	4/4	1/0	(4)	3/0	1/3	4/4	0/0	4/4	4/4	0/0	0/0	(1)	1/1	1/1	4/4	4/4	4/4	0/0	(1)	1/1	1/1	1/1	—	—	—	—	—	
Nitrous acid, sodium salt	-> see: Sodium nitrite																																			
Nitrous oxide	N ₂ O	010024-97-2	—	(O)	—	0/0	0/0	(2)	(2)	(1)	0/0	(2)	(2)	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(1)	2/0	1/0	1/0	0/0	1/1	(1)	(1)	—	—	—	—	—	nitric oxide	
Nonanol	-> see: Nonyl alcohol																																			
Nonyl alcohol	C ₉ H ₂₀ O	000143-08-8	100 %	Xn, Xi																																

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	NBR	SI	AL	V2A	V4A	Haselloy C	
Pineapple juice	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pink	—	—	ground	?	0/0	0/0	(2)	4/4	(1)	0/0	(2)	(2)	4/4	0/0	0/0	0/0	4/4	0/0	(1)	1/1	(2)	(2)	(2)	(2)	(2)	0/0	(1)	(1)	(1)	(1)	0/0	
Piperidine	C ₄ H ₁₁ 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)	(1)	0/0	Hexahydropyridine; Azacyclohexane; Pentamethylenimine	
Plasticiser	—	—	—	?	1/3	1/3	(2)	(3)	0/0	0/0	(2)	1/3	0/0	0/0	0/0	0/0	3/3	0/0	(1)	(1)	0/0	(2-3)	0/0	4/4	0/0	(1)	(1)	(1)	(1)	0/0		
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	(1)	(1)	(2)	(3)	4/4	0/0	(1)	(1)	(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)	(1)	0/0		
Polyethylene glycol	HO-(C ₂ H ₄ O) _n -H	025322-68-3	100 %	(—)	1/1	1/1	(3)	0/0	0/0	0/0	1/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(2)	(2-3)	(2)	(3)	0/0	(1)	(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	3	0	0	(1)	(1)	0/0	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	0	(1)	(1)	0/0	lubricating oil		
Polysolvan O	C ₂ H ₂ O ₃	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)	(1)	0/0	solvent cleaner, butyl glycolate; Celanese AG		
Potassium acetate	C ₂ H ₃ KO ₂	000127-08-2	aqueous	Xi	1/1	1/1	1/0	(1)	(2)	0/0	1/1	1/1	0/0	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 ₄	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	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/0	1/0	1/0	1/0	4/4	4/4	1/1		
Potassium bisulfate	KHSO ₄	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	C ₄ H ₄ KO ₆	000868-14-4	saturated	Xi	1/1	1/1	(2)	(2)	0/0	0/0	(2)	1/1	0/0	0/0	1/0	1/0	0/0	1/1	1/1	1/1	(2)	(1)	(1)	0/0	(4)	1/3	1/2	0/0	0/0			
Potassium borate	KBO ₂	012228-88-5	10 %	(Xn)	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	1/3	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	1/1	0/0	(3)	0/0	0/0	0/0			
Potassium borate	KBO ₂	012228-88-5	aqueous	(Xn)	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/0	1/0	1/1	0/0	(3)	0/0	0/0	0/0			
Potassium bromate	KBrO ₃	007758-01-2	saturated	O, T	1/3	1/3	(2)	1/0	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	1/1	1/1	0/0	(2)	0/0	0/0	0/0			
Potassium bromate	KBrO ₃	007758-01-2	aqueous	O, T	0/0	0/0	(2)	(2)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	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	1/0	1/1	1/1	1/1	1/1	1/0	1/1	1/1	1/1	0/0	1/0	1/0L	1/0L	1/1			
Potassium carbonate	K ₂ CO ₃	000584-08-7	saturated	Xn	1/1	1/1	1/1	3/3	(2)	1/1	1/1	1/1	0/0	1/1	1/1	1/1	0/0	1/1	1/1	1/3	1/0	1/0	1/1	0/0	4/4	1/1	1/1	1/1	1/1			
Potassium carbonate	K ₂ CO ₃	000584-08-7	aqueous	Xn	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/0	1/0	1/1	0/0	4/4	1/1	1/1	1/1	1/1			
Potassium chlorate	KClO ₃	003811-04-9	saturated	O, Xn	1/1	0/0	1/0	(2)	0/0	0/0	2/0	1/1	1/0	0/0	1/1	0/0	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1	1/1	1/1	1/1			
Potassium chlorate	KClO ₃	003811-04-9	aqueous	O, Xn	1/1	0/0	1/0	(2)	0/0	0/0	2/0	1/1	1/0	0/0	1/1	0/0	0/0	(1)	1/1	1/1	1/0	1/1	4/4	0/0	1/1	1/1	1/1	1/1	1/1			
Potassium chloride	KCl	007447-40-7	aqueous	Xi	1/1	1/1	1/0	1/0	1/0	1/0	1/1	1/1	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/3	1/1L	1/1L	1/1		
Potassium chromate	K ₂ CrO ₄	007789-00-6	saturated	T	1/0	1/1	2/0	(2)	0/0	1/0	(2)	1/1	1/1	0/0	1/1	1/0	1/1	0/0	(1)	1/1	1/1	1/0	1/0	3/3	0/0	1/1	(1)	(1)	1/1			
Potassium chromate	K ₂ CrO ₄	007789-00-6	aqueous	T	0/0	0/0	(2)	(2)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	1/0	3/3	0/0	1/1	(1)	(1)	1/1				
Potassium cyanide	KCN	000151-50-8	saturated	T+	1/1	1/1	1/0	4/4	0/0	0/0	3/0	1/1	0/0	0/0	1/3	4/4	0/0	0/0	1/1	1/1	1/3	1/0	1/1	3/3	0/0	3/4	1/0	1/0	1/1			
Potassium cyanide	KCN	000151-50-8	aqueous	T+	1/1	1/1	1/0	4/4	0/0	0/0	3/0	1/1	0/0	0/0	1/3	1/4	0/0	0/0	1/1	1/1	1/3	1/0	1/1	3/3	0/0	3/4	1/0	1/0	1/1			
Potassium dichromate	K ₂ Cr ₂ O ₇	007778-50-9	saturated	T	1/1	1/0	4/4	3/0	3/0	1/0	3/0	1/1	1/3	0/0	1/3	1/0	1/3	0/0	(1)	1/1	1/1	1/0	2/0	3/3	0/0	1/1	1/1	1/1	1/1			
Potassium dichromate	K ₂ Cr ₂ O ₇	007778-50-9	aqueous	T	0/0	0/0	3/0	1/0	3/0	3/0	1/1	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/0	2/0	3/3	0/0	1/1	1/1	1/1	1/1	1/1			
Potassium ferricyanide	C ₆ FeK ₃ N ₆	013746-66-2	each	Xn	1/1	1/1	1/0	(1)	(1)	0/0	2/0	1/1	1/1	0/0	1/3	1/1	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	1/1	1/1	1/1	1/1			
Potassium ferrocyanide	C ₆ FeK ₄ N ₆ x 3H ₂ O	014459-95-1	saturated	—	1/1	1/1	1/0	(2)	(1)	0/0	2/0	1/1	0/0	0/0	1/1	1/1	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	(1)	1/1	1/1	1/1			
Potassium ferrocyanide	C ₆ FeK ₄ N ₆ x 3H ₂ O	014459-95-1	diluted	—	1/0	1/1	1/0	(1)	(1)	0/0	2/0	1/1	0/0	0/0	1/3	1/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	(1)	0/0	1/1	1/1	1/1	1/1			
Potassium fluoride	KF	007789-23-3	—	T	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	(1)	(1)	1/0	(1)	0/0	1/1	1/1	1/1	0/0			
Potassium hydrogen carbonate	CHKO ₃	000298-14-6	saturated	—	1/1	1/1	1/0	(2)	(2)	0/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	0/0	4/4	(1)	(1)	1/1			
Potassium hydroxide	KHO	001310-58-3	10 %	C+	1/1	1/1	1/0	4/4	4/4	0/0	1/1	1/1	0/0	0/0	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	4/4	3/3	0/0	4/4	1/1	1/1	1/1	1/1		
Potassium hydroxide	KHO	001310-58-3	30 %	C+	1/1	1/1	1/3	4/4	4/4	1/0	(3)	1/1	1/0	1/0	1/3	1/0	0/0	0/0	1/1	(2)	1/0	4/4	3/3	0/0	4/4	1/1	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	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	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	(1)	1/1	1/1	3/0	1/0	3/3	0/0	4/4	3/3L	2/2L	1/1	0/0			
Potassium iodate	KJO ₃	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)	(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/																					

CHEMICALS	thermoplastics										fluoroelastics			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	NBR	SI	AL	V2A	V4A	Hastelloy C
Spindle oil	—	—	?	?	3/3	2/3	(2)	2	1/0	0/0	(2)	1/4	0/0	0/0	3/0	0/0	0/0	0/0	(1)	1/1	1/0	(3)	(2)	4/4	0/0	(4)	3/4	2/4	0/0		
Spinning bath acid	—	—	100mg CS ₂ /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	0/0	(1)	1/1	1/0	(3)	(2)	4/4	0/0	(4)	3/4	2/4	0/0		
Spirit (of wine)	C ₂ H ₆ O	—	—	F	X	1/0	1/3	1/0	1/3	1/1	1/2	1/2	1/1	3/4	1/2	1/3	3/0	1/3	1/1	1/1	1/1	1/1	1/0	3/0	3/3	0/0	1/1	1/1	1/1		ethyl alcohol
Spirits	C ₂ H ₆ O	—	—	—	—	1/1	1/0	1/0	1/1	1/1	0/0	1/2	1/1	0/0	1/0	1/1	0/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/1	1/1	1/1	0/0	ethyl alcohol 40 %
Spirits of Turpentine	—	008006-64-2	—	Xn	X	2/2	3/4	1/0	4/4	1/0	3/3	1/1	4/4	4/4	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		
Spirits of wine	C ₂ H ₆ O	—	50 %	(F)	X	1/0	1/1	1/0	1/1	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	ethyl alcohol
Spirits of wine	C ₂ H ₆ 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	ethyl alcohol
Spruce oil	—	008008-80-8	—	?	?	1/2	2/4	(2)	2/3	0/0	2/3	(2)	1/2	4/4	3/3	3/4	0/0	3/4	1/2	1/1	(1)	(2)	4/4	1/0	3/3	0/0	(1)	(1)	(1)		pinus sylvestris
Stannic chloride	SnCl ₄	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 ₂	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	1/1	1/1	1/1	1/0	1/0	1/1	0/0	4/4	4/4	3/4	1/1		
Stannous chloride	SnCl ₂	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	1/1	0/0	1/1	1/1	1/1	1/0	1/1	1/1	0/0	4/4	4/4	3/4	1/1	
Starch solution	(C ₆ H ₁₀ O ₅) _n	—	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	1/1	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)	1/4	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 ₂ 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	3	4/4	0	(1)	1/1	1/1			
Stearic acid	C ₁₈ H ₃₆ O ₂	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	3/0	1/1	3/3	0/0	1/1	1/1	1/1	1/1		
Strontium bromide	SrBr ₂	010476-81-0	—	Xi	1/1	1/1	(2)	(1)	(1)	0/0	(1)	0/0	0/0	0/0	0/0	0/0	0/0	1/1	0/0	1/1	1/1	(1)	(1)	(1)	(2)	0/0	(3)	0/0	0/0		
Strychnine	C ₂₁ H ₂₂ N ₂ O ₂	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	0/0	1/1	1/1	(1)	(2)	(2)	(2)	0/0	(2)	(1)	(1)		
Styrene	C ₈ H ₈	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 ₄ H ₆ O ₄	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	1/0	1/1	(1)	0/0	1/1	1/0	1/0	1/1			
Succinic acid	C ₄ H ₆ O ₄	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	—	—	saturated	(Xi)	1/1	1/1	(3)	(2)	0/0	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)	0/0	(3)	0/0	0/0		
Sugar beet juice	—	—	—	—	1/1	1/1	1/0	1/0	0/0	1/0	1/1	1/1	1/0	0/0	1/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	(2)	(1)	(1)			
Sugar syrup	—	—	—	—	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/3	0/0	0/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1		
Sulfur	S ₈	007704-34-9	techn. pure	Xi	1/1	1/1	1/0	1/0	(2)	0/0	1/0	1/1	1/1	0/0	3/0	3/4	1/1	0/0	(1)	1/1	1/1	3/0	1/1	4/4	0/0	(1)	1/1	1/1	1/1	flower of sulfur	
Sulfur (mono)chloride	S ₂ Cl ₂	010025-67-9	—	C	0/0	0/0	4/4	(3)	0/0	0/0	4/4	4/4	0/0	0/0	0/0	0/0	0/0	0/0	1/0	1/1	1/0	4/4	1/0	4/4	0/0	3/4	1/1L	1/1L	0/0		
Sulfur dioxide	SO ₂	007446-09-5	damp	T, C	1/1	1/1	(3)	(3)	0/0	1/1	4/4	1/3	3/4	2/2	1/2	0/0	0/0	1/1	1/1	1/1	1/4	1/0	4/4	4/4	0/0	3/4	1/1	1/1	1/0	with H2O->sulfurous acid	
Sulfur dioxide	SO ₂	007446-09-5	liquid	T, C	3/4	4/4	(3)	3/4	0/0	4/4	4/4	4/4	4/4	2/2	3/4	0/0	0/0	1/2	1/1	1/1	4/4	1/0	4/4	4/4	0/0	(3)	(1)	(1)	1/0	with H2O->sulfurous acid	
Sulfur hexafluoride	SF ₆	002551-62-4	—	—	0/0	0/0	1/0	(2)	1/0	0/0	(2)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(2)	1/0	3/0	1/0	0/0	(1)	(1)	(1)		
Sulfur trioxide	SO ₃	007446-11-9	—	C+	4/4	4/4	4/4	(4)	(4)	0/0	4/4	4/4	0/0	4/4	0/0	0/0	0/0	(2)	(2)	3/4	3/0	1/0	4/4	0/0	(3)	(1)	(1)	(1)	0/0		
Sulfur, melted, 121 °C	S ₈	007704-34-9	?	?	0	0	(4)	(3)	0	4	4	4	0	0	0	0	0	0	0	(1)	0	4	1	4	0	(3)	1	1	0/0		
Sulfuric acid	H ₂ SO ₄	007664-93-9	40 %	C+	1/1	1/1	4/4	2/0	(4)	1/2	4/4	1/1	2/0	3/0	1/3	1/3	1/1	1/1	1/1	1/1	1/1	(3)	1/1	4/4	0/0	3/4	2/3	2/3	0/0		
Sulfuric acid	H ₂ SO ₄	007664-93-9	60 %	C+	1/3	1/3	4/4	3/3	(4)	1/2	4/4	1/3	2/4	1/1	1/2	0/0	0/0	1/1	1/1	1/1	1/1	4/4	1/1	4/4	0/0	4/4	4/4	3/4	0/0		
Sulfuric acid	H ₂ SO ₄	007664-93-9	80 %	C+	1/1	1/1	4/4	3/4	4/4	1/2	4/4	1/1	3/4	3/0	1/1	1/3	0/0	1/1	1/1	1/1	1/1	4/4	1/1	4/4	0/0	4/4	2/4	2/3	0/0		
Sulfuric acid	H ₂ SO ₄	007664-93-9	95 %	C+	3/4	3/4	4/4	4/4	2/2	4/4	3/4	4/4	4/4	2/4	0/0	4/4	1/1	1/1	1/1	1/1	1/1	4/4	1/1	4/4	0/0	4/4	1/3	1/3	0/0		
Sulfuric acid	H ₂ SO ₄	007664-93-9	fuming	C+	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	0/0	(1)	1/0	4/4	4/4	1/0	4/4	0/0	(3)	1/2	1/1	0/0	oleum
Sulfuric acid	H ₂ SO ₄	007664-93-9	1-6 %	Xi	1/1	1/1	4/4	1/1	0/0	1/1	4/4	1/1	1/2	1/1	1/2	0/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	3/0	0/0	(3)	2/2	1/2	0/0		
Sulfuric acid	H ₂ SO ₄	007664-93-9	20 %	Xi	1/1	1/1	4/4	1/2	0/0	1/2	4/4	1/2	1/2	1/1	1/2	0/0	0/0	1/1	1/1	1/1	1/1	2/0	1/1	4/4	0/0	(3)	2/3	2/3			
Sulfuric acid	-> see: Battery acid																														
Sulfurous acid	H ₂ SO ₃	007782-99-2	saturated	(C)	1/1	1/1	4/4	4/4	1/0	0/0	4/4	1/1	0/0	0/0	1/1	0/0	0/0	0/0	1/1	1/1	1/1	3/0	(3)	3/4	0/0	3/4	1/1	1/1	1/1		
Sulfurous acid, disodium salt	-> see: Sodium sulfite																														
Sulfuryl chloride	Cl ₂ SO ₂	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	0/0	1/0	3/0	3/0	1/0	4/4	0/0	3/4	0/0	0/0			
Tallow	—	—	techn. pure	—	1/1	1/1	1/0	(1)	1/0	0/0	1/0	1/1	0/0																		

CHEMICALS	FORMULA	CAS-NR.	CONCENTRATION	HAZARD NOTE	FLAMMABLE	thermoplastics																	fluoroelastics		elastomers		metals		COMMENT					
						HDPE	LDPE	PA	PC	PETG	PMP	POM	PP	PS	PSU	PVC HART	PVC WEICH	SAN	ECTFE / ETFE	FEP	PTFE	PVDF	EPDM	FPM / FKM	NBR	SI	AL	V2A		V4A	Haselloy C			
Titanium (tetra)chloride	TiCl ₄	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	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	
Toluene	—	092045-38-0	100 %	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	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	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 ₉ H ₁₈ O ₆	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)	(1)				
Tribromomethane	CHBr ₃	000075-25-2		T		4/4	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 ₁₈ H ₃₂ O ₇	000077-94-1		—		1/2	2/3	(2)	4/4	0/0	2/3	(2)	2/3	4/4	3/3	3/4	0/0	0/0	1/2	1/1	(1)	(2)	(3)	(3)	(3)	0/0	(1)	(1)	(1)					
Tributyl phosphate (TBP)	C ₁₂ H ₂₇ PO ₄	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				
Trichloroacetaldehyde	C ₂ HCl ₃ 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	0/0				
Trichloroacetic acid (TCA)	C ₂ HCl ₃ O ₂	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 ₆ H ₃ Cl ₃	—	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	isomer not indicated in the source			
Trichloroethane	C ₂ H ₂ Cl ₃	—		Xn		3/4	4/4	3/0	4/4	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	isomer not indicated in the source			
Trichloroethylene (TRI)	C ₂ HCl ₃	000079-01-6	100 %	Xn		3/4	4/4	3/0	4/4	4/4	4/4	(2)	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 ₃ 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	0/0	(3)	(1)	0/0	4/4	2/0	1/0	0/0	(3)	0/0	0/0	0/0			
Trichlorophenol	C ₆ H ₂ Cl ₃ O	—		(Xn, Xi)		0/0	0/0	(3)	(4)	0/0	0/0	(3)	(3)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	(1)	(3)	(4)	(3)	(4)	0/0	(3)	0/0	0/0	0/0	isomer not indicated in the source		
Trichlorotrifluoroethane	C ₂ Cl ₃ F ₃	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						
Trichlorotrifluoroethane	C ₂ Cl ₂ F ₃	—	100 %	?		4/4	3/4	1/0	3/0	0/0	0/0	1/0	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			isomer not indicated in the source			
Tricresyl phosphate (TCF)	C ₂₁ H ₂₇ PO ₄	—	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	isomer not indicated in the source			
Triethanolamine (TEA)	C ₆ H ₁₅ NO ₃	000102-71-6	techn. pure	Xi		1/1	1/2	(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)	0/0				
Triethylamine (TEA)	C ₆ H ₁₅ 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	0/0	(1)	1/1	3/4	4/4	3/0	3/4	0/0	(1)	(1)	(1)	0/0				
Triethylene glycol	C ₆ H ₁₂ O ₄	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)	0/0				
Triethylene glycol diacetate	C ₁₂ H ₁₈ O ₆	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)					
Trihydroxypropane, 1,2,3-	-> see: Glycerol																																	
Triiodomethane	-> see: Iodoform																																	
Triisopropylbenzene	C ₉ H ₁₂	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)					
Trimethylbenzene, 1,2,4-	C ₉ H ₁₂	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	0/0	(1)	(1)	(2)	4/4	(2)	4/4	0/0	1/1	1/1	1/1	0/0				
Trimethylolpropane	C ₈ H ₁₆ O ₃	000077-99-6	aqueous	—		0/0	0/0	(2)	(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)	(2)	(2)	0/0	(1)	(1)	(1)					
Trimethylpentane, 2,2,4-	C ₈ H ₁₈	000540-84-1	techn. pure	F, Xn	X	1/3	1/3	1/0	(2)	1/0	(4)	1/0	1/3	3/4	1/0	1/0	4/4	1/1	0/0	(1)	1/1	1/1	4/4	1/0	1/0	0/0	1/1	1/1	0/0	0/0	Iso-octane; Isobutyltrimethylmethane			
Triocetyl phosphate	C ₂₂ H ₄₅ PO ₄	000078-42-2	techn. pure	(Xn)		3/0	1/0	1/0	(3)	0/0	0/0	(2)	1/3	0/0	0/0	4/4	0/0	0/0	0/0	(1)	1/1	(3)	3/0	3/4	4/4	0/0	(1)	(1)	(1)	0/0	Tris(2-ethylhexyl) phosphate			
Tripolypropylene glycol (TPG)	C ₂₄ H ₄₈ O ₄	024800-44-0		(—)		1/1	1/1	(3)	1/2	0/0	1/1	1/0	1/1	1/1	1/1	2/3	0/0	0/0	1/1	1/1	1/1	(2)	(3)	(2)	(3)	0/0	(1)	(1)	(1)					
Trisodium phosphate	Na ₃ PO ₄	007601-54-9		Xi		1/1	1/1	1/0	(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	1/0	1/1	1/1	0/0	(4)	1/1	1/1				
Turbine oil (based on mineral oil)	—	—	—	?		0/0	0/0	(1)	(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	4/4	(2)	1/0	0/0	1/1	1/1	1/1					
Turpentine surrogate	—	—	—	Xn, N	X	0/0	0/0	1/0	(3)	1/0	(4)	1/0	(3)	4/4	0/0	0/0	0/0	1/3	0/0	(1)	1/1	(1)	4/4	1/1	(3)	0/0	1/1	1/1	1/1	1/1				
Two-stroke oil	—	—	100 %	—		0/0	1/3	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	1/1					
Undecanol	C ₁₁ H ₂₂ O	000112-42-5		Xi		1/2	1/3	(1)	2/3	(1)	1/2	1/0	1/2	2/2	3/3	1/3	0/0	1/1	1/2	1/1	1/1	(1)	(3)	(1)	(2)	0/0	(1)	(1)	(1)					
Urea	CH ₄ N ₂ O	000057-13-6	aqueous	Xi		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	1/1	0/0	1/1	1/0	1/0	1/1				
Urea	CH ₄ N ₂ O	000057-13-6		Xi		1/1	1/1	1/0	1/0	1/2	1/1	1/1	1/2	3/3	2/4	3/3	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/1	0/0	1/1	1/0	1/0	1/1				
Uric acid	C ₅ H ₄ N ₄ O ₃	000069-93-2		Xi		1/1	1/1	(2)	1/0	1/0	0/0	1/0	1/0	0/0	1/0	1/0	0/0	1/1	1/1	1/1	1/1	1/1	1/0	(1)	(1)	0/0	4/4	1/1	1/1	0/0				
Urine	—	—	—	—		1/1	1/1	1/0	1/0	1/0	0/0	1/1	1/1	3/0	0/0	1/3	1/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	(2)	1/1	1/1	1/1				
Urotropin	-> see: Hexamethylenetetramine																																	
Valerian drops	—	—	—	?		0/0	0/0	(2)	(2)	(2)	0/0	(2)	(2)	4/4	0/0	0/0	0/0	1/0	0/0	1/1	1/1	(1)	(3)	(3)	(2)	0/0	(2)	(1)	(1)					
Vaseline	—	008009-03-8	techn. pure	(—)		3/4	2/3	1/0	1/0	1/0	0/0	—	1/3	1/1	0/0	3/0	0/0	1/1	0/0	(1)	1/1	1/1	3/0	1/1	1/1	0/0	1/1	1/1	1/1	1/1	petrolatum			
Vaseline oil	—	008012-95-1	100 %	?		0/0	1/3	1/0	(2)	1/0	1/0	—	1/3	1/0	1/0	3/0	0/0	0/0	(1)	(1)	(1)	3/0	1/0	1/0	0/0	1/1	1/1	1/1	1/1	1/1	paraffin oil			
Vaseline oil	—	008012-95-1		?		1/1	1/3	1/0	1/0	0/0	0/0	1/1	1/3	1/1	0/0	1/3	1/0	1/1	0/0	(1)	1/1	1/1	4/4	1/1	1/3	0/0	1/1	1/1	1/1	1/1	paraffin oil			
Vegetable oils	—	—	—	—		0/0	0/0	0/0	(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	4/4	1/0	1/0	0/0	(1)	1/1	1/1					
Vinegar	C ₂ H ₄ O ₂	000064-19-7		(Xi)		1/1	1/3	4/4	1/2	1/1	1/0	1/3	1/1																					

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	NBR		SI	AL	V2A	V4A	Hastelloy C				
Wines	—	—	—	—	1/1	1/1	1/0	1/0	1/1	1/0	(2)	1/1	1/1	1/0	1/1	1/1	0/0	0/0	0/0	0/0	0/0	0/0	1/1	1/1	1/1	(2)	(1)	1/0	4/4	0/0	(2)	(1)	(1)	0/0	
Wort for fermentation	—	—	—	?	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	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/1	1/0	1/0	0/0	1/1	1/1	1/1			
Xenon	Xe	007440-63-3	—	—	0/0	0/0	1/0	(1)	1/1	0/0	1/1	(2)	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	(1)	1/1	1/1	1/1	1/0	1/0	0/0	1/1	1/1	1/1				
Xylene	C ₈ H ₁₀	001330-20-7	—	(F), Xn X	3/4	3/4	1/0	4/4	0/0	3/4	1/2	4/4	4/4	4/4	4/4	4/4	4/4	1/2	1/1	1/0	1/3	4/4	1/3	4/4	0/0	1/1	1/1	1/1	1/1	1/1					
Yeast	—	—	each	—	1/1	1/1	1/0	(1)	1/0	0/0	1/1	1/1	0/0	0/0	1/0	1/0	0/0	1/1	1/1	1/1	1/1	1/0	1/0	1/1	0/0	1/1	(1)	(1)							
Zinc acetate	C ₄ H ₆ ZnO ₄	000557-34-6	aqueous	Xn, Xi	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	0/0	1/1	1/1	(1)	1/0	(3)	3/3	0/0	(3)	(1)	(1)					
Zinc bromide	ZnBr ₂	007699-45-8	—	C, Xn	1/1	1/1	4/4	(2)	0/0	0/0	(2)	1/1	0/0	0/0	0/0	0/0	0/0	1/1	0/0	1/1	1/1	(1)	(2)	(1)	(2)	0/0	(3)	0/0	0/0						
Zinc carbonate	ZnCO ₃	003486-35-9	saturated	?	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	1/1	(2)	(1)	(1)	0/0		small solubility - no chemical effect expected			
Zinc chloride	ZnCl ₂	007646-85-7	aqueous	(C, Xn)	1/1	1/1	3/4	(2)	0/0	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	1/1	0/0	3/4	1/4L	1/3L	1/1						
Zinc nitrate	Zn(NO ₃) ₂	007779-88-6	—	O, C, Xn	1/1	1/1	1/4	(2)	0/0	0/0	(2)	1/1	1/0	1/0	1/0	1/0	1/1	0/0	1/1	1/1	(1)	1/0	(1)	(2)	0/0	(3)	(1)	(1)	0/0						
Zinc oxide	ZnO	001314-13-2	solid	Xn, Xi	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	(2)	1/1	1/1		small solubility - no chemical effect expected			
Zinc oxide ointment	—	—	—	?	0/0	0/0	(1)	(2)	(2)	0/0	(2)	(2)	1/1	0/0	0/0	0/0	1/1	0/0	(1)	1/1	(2)	(4)	(2)	(2)	0/0	(2)	(1)	(1)							
Zinc phosphate	Zn ₃ (PO ₄) ₂	007779-90-0	saturated	?	1/1	1/1	(1)	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	(2)	(1)	(1)	0/0					
Zinc sludge	—	—	—	?	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	(1)	(2)	0/0	0/0	0/0	(3)	0/0	0/0									
Zinc stearate	C ₃₆ H ₇₀ ZnO ₄	000557-05-1	—	Xi	1/1	1/1	(1)	1/1	0/0	1/1	1/1	1/1	1/1	1/1	1/2	1/1	1/1	1/1	1/1	1/1	(2)	1/1	(2)	0/0	(2)	0/0	(2)	(1)	(1)						
Zinc sulfate	ZnSO ₄	007733-02-0	10 %	—	1/1	1/1	(3)	1/0	(2)	1/0	2/0	1/1	1/1	0/0	1/1	1/0	1/1	1/1	1/1	1/1	1/1	1/0	1/1	1/0	0/0	3/4	1/1	1/1	1/1						
Zinkchlorid	ZnCl ₂	007646-85-7	10 %	C, Xn	1/1	1/1	3/4	1/0	0/0	1/1	2/0	1/1	1/3	0/0	1/3	1/0	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/0	1/1	0/0	3/4	1/4L	1/3L	1/1					

Chemical resistance

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

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

Hazard notes

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

Description of the materials

Thermoplastics

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

Fluoroplastics

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

Elastomers

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

Metals

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