



**Chemical Resistance**  
for eltherm Self-Regulating Trace Heaters  
ELSR-

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Date	Approved	Department
09.11.2018	Peter Schmidt	Research & Development

<b>Product Group:</b>	Self-Regulating Trace Heaters ELSR-..	
<b>Specification:</b>	<b>Chemical Resistances</b>	
<b>Products/Outer Sheath</b>	ELSR-N/-M/-L/-W/-N/-H/-R – BO/BOT	
<b>Key</b>	0 = no data available, 1 = resistant, 2 = practically resistant, 3 = partially resistant, 4 = not resistant	
	at +20°C / at +50°C	

Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Acetaldehyde	000075-07-0	40%	3/4	2/3	1/1
Acetaldehyde	000075-07-0	techn. pure	3/4	2/3	1/1
Acetamide	000060-35-5	saturated	1/1	1/1	1/1
Acetic acid	000064-19-7	50%	1/1	1/2	1/1
Acetic acid	000064-19-7	100%	1/3	0/0	1/1
Acetic acid	000064-19-7	90%	1/2	1/1	1/1
Acetic acid	000064-19-7	10%	1/1	1/1	1/1
Acetic acid	000064-19-7	5%	1/1	1/1	1/1
Acetic acid chloride see: Acetyl chloride					
Acetic acid sodium salt see: Sodium acetate					
Acetic aldehyde see: Acetaldehyde					
Acetic anhydride	000108-24-7	techn. pure	1/3	0/0	1/1
Acetic chloride see: Acetyl chloride					
Acetone	000067-64-1		1/3	2/3	1/1
Acetonitrile	000075-05-8		3/4	1/1	(1)
Acetonyl chloride see: Chloroacetone					
Acetophenone	000098-86-2		1/3	1/1	1/1
Acetyl chloride	000075-36-5	100%	3/4	0/0	1/0
Acetylene	000074-86-2	100%	1/0	(1)	1/0
Acetyloxybenzoic acid, 2- see: Acetylsalicylic acid					
Acetylsalicylic acid	000050-78-2	100%	1/2	1/1	1/1
Acrylonitrile	000107-13-1		3/4	1/2	1/0
Adipic acid	000124-04-9	saturated	1/1	1/1	1/1
Alanine, L-	000056-41-7	-	1/1	1/1	1/1
Allspice	-	ground	4/4	0/0	(1)
Allyl acetate	000591-87-7	100%	1/3	0/0	1/1
Allyl alcohol	000107-18-6	96%	2/2	1/1	1/1
Allyl chloride	000107-05-1	100%	4/4	0/0	(2)
Allyl mustard oil	000057-06-7		(2)	0/0	(1)
Almond oil, sweet	008007-69-0	-	(2)	0/0	1/1
Alumina acidic	000142-03-0	saturated	1/1	1/1	1/1

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Aluminium fluoride	007789-18-1	aqueous	1/1	0/0	1/1
Aluminum ammonium dodecahydrate	007784-26-1	saturated	1/1	0/0	1/1
Aluminum chloride	007784-13-6	10%	1/1	2/2	1/1
Aluminum chloride	007784-13-6	solid	1/1	0/0	(1)
Aluminum chloride	007784-13-6	saturated	1/1	0/0	(1)
Aluminum hydroxide	021645-51-2	Xi	1/2	1/1	1/1
Aluminum nitrate	013473-90-0	aqueous	1/1	0/0	1/1
Aluminum oxide, alpha-	001344-28-1	solid	1/1	1/1	1/1
Aluminum potassium sulfate	010043-67-1	diluted	1/1	1/1	1/1
Aluminum potassium sulfate	010043-67-1	saturated	1/1	1/1	1/1
Aluminum sodium sulfate	010102-71-3		1/1	1/1	1/1
Aluminum sulfate	010043-01-3	10%	1/1	0/0	1/1
Aluminum sulfate	010043-01-3	saturated	1/1	0/0	1/1
Aminic acid see: Formic acid					
Aminoacetic acid see: Glycine					
Aminoethanol	000141-43-5		1/2	0/0	(1)
Aminopropanoic acid, alpha see: Alanine, L-					
Ammonium acetate	000631-61-8	saturated	1/1	1/1	1/1
Ammonium bicarbonate	001066-33-7	saturated	1/1	0/0	1/1
Ammonium bisulfide	012124-99-1	each	1/1	0/0	1/1
Ammonium carbonate	010361-29-2	50%	1/1	0/0	1/1
Ammonium carbonate	010361-29-2	aqueous	1/1	0/0	1/1
Ammonium chloride	012125-02-9	solid	1/1	0/0	1/1
Ammonium chloride	012125-02-9	aqueous	1/1	1/1	1/1
Ammonium difluoride	001341-49-7	50%	1/1	0/0	1/1
Ammonium ferric sulfate	007783-83-7	saturated	1/1	0/0	1/1
Ammonium ferrous sulfate	007783-85-9		1/1	1/1	1/1
Ammonium fluoride	012125-01-8	saturated	1/1	0/0	1/1
Ammonium fluoride	012125-01-8	aqueous	1/1	0/0	1/1
Ammonium glycolate	035249-89-9		1/2	1/1	1/1
Ammonium heptamolybdate	012054-85-2		1/1	0/0	1/1
Ammonium hydroxide	001336-21-6	30%	1/2	1/1	1/1
Ammonium hydroxide	001336-21-6	5%	1/1	1/1	1/1

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Ammonium hydroxide	001336-21-6		1/1	1/1	1/1
Ammonium mercaptan see: Ammonium bisulfide					
Ammonium nitrate	006484-52-2	10%	1/1	1/1	1/1
Ammonium nitrate	006484-52-2	saturated	1/1	1/1	1/1
Ammonium nitrite	013446-48-5	aqueous	1/1	0/0	1/1
Ammonium oxalate	014258-49-2		1/2	1/1	1/1
Ammonium persulfate	007727-54-0	saturated	1/1	0/0	1/1
Ammonium persulfate	007727-54-0	aqueous	1/1	0/0	1/1
Ammonium phosphate, Mono-	007722-76-1	each	1/1	1/1	1/1
Ammonium polyphosphate (APP)	068333-79-9		1/1	1/1	1/1
Ammonium rhodanide see: Ammonium thiocyanate					
Ammonium salt see: Ammonium nitrate					
Ammonium sulfate	007783-20-2	10%	1/1	1/1	1/1
Ammonium sulfate	007783-20-2	saturated	1/1	1/1	1/1
Ammonium sulfide	012135-76-1	each	1/1	0/0	1/1
Ammonium sulfide	012135-76-1	aqueous	1/1	0/0	1/1
Ammonium sulfocyanide see: Ammonium thiocyanate					
Ammonium thiocyanate	001762-95-4		1/1	1/1	1/1
Ammonium salt; Ammonium sulfocyanate				0/0	
Amomum	-		(2)	1/1	(1)
Amyl acetate, normal	000628-63-7		3/4		1/1
Amyl alcohol, n- see: Pentanol, 1-				1/1	
Amyl chloride	000543-59-9		4/4	0/0	1/1
Amyl cinnamic aldehyde	000122-40-7		(3)	2/4	(1)
Aniline	000062-53-3		2/3	0/0	1/1
Aniline hydrochloride	000142-04-1	saturated	1/3	0/0	1/1
Anise	-		(2)	0/0	(1)
Anise oil	084775-42-8		(3)	0/0	(1)
Anisole	000100-66-3	100%	3/3	0/0	1/1
Antifreeze agent (car)	-		1/1	1/1	1/0

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Antimony pentachloride	007647-18-9		1/1	0/0	0/0
Antimony trichloride	010025-91-9	90%	1/1	0/0	1/1
Antimony trichloride	010025-91-9	anhydrous	1/1	0/0	(1)
Antimony trichloride	010025-91-9	aqueous	1/1	0/0	(1)
Apple juice	-		1/1	1/1	1/1
Arsenic acid	022538-92-7	aqueous	1/1	1/1	1/1
Arsenic acid	022538-92-7		1/1	1/1	1/1
Arsenic pentoxide	001303-28-2		1/1	0/0	1/1
Ascorbic acid	000050-81-7	aqueous	1/1	1/1	1/1
Atropine sulfate	000055-48-1		1/1	1/1	1/1
Azabenzene see: Pyridine					
Azacyclohexane see: Piperidine					
Azine see: Pyridine					
Azole see: Pyrrole					
Barium carbonate	000513-77-9	saturated	1/1	1/1	1/1
Barium chloride	010361-37-2	saturated	1/1	1/1	1/1
Barium chloride	010361-37-2	aqueous	1/1	1/1	1/1
Barium dibromide	010553-31-8		1/1	1/1	1/1
Barium hydroxide	012230-71-6	saturated	1/1	0/0	1/1
Barium hydroxide	012230-71-6	aqueous	1/1	0/0	1/1
Barium sulfide	021109-95-5	saturated	1/1	0/0	1/1
Battery acid	007664-93-9	38%	1/1	(1)	1/1
Beef tallow	061789-97-7		1/1	0/0	1/1
Beef tallow emulsion	-	sulfonated	1/0	0/0	1/1
Beer	-		1/1	1/1	1/1
Beeswax	008012-89-3		1/3	1/1	1/1
Benzaldehyde	000100-52-7		1/4	1/3	1/1
Benzene	000071-43-2		3/4	1/2	1/1
Benzene chloride see: Chlorobenzene					
Benzenesulfonic acid	000098-11-3	saturated	2/4	0/0	1/1
Benzoic acid	000065-85-0	saturated	1/3	1/1	1/1
Benzoic acid	000065-85-0	aqueous	1/3	1/1	1/1
Benzoic acid chloride see: Benzoyl chloride					

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Benzoyl chloride	000098-88-4	100%	3/4	0/0	1/1
Benzyl acetate	000140-11-4		1/2	1/2	1/0
Benzyl alcohol	000100-51-6		4/4	1/1	1/1
Benzyl benzoate	000120-51-4		(3)	0/0	(1)
Benzyl chloride	000100-44-7	100%	4/4	0/0	1/0
Benzyl ether	000103-50-4		(3)	0/0	(1)
Bismuth chloride	007787-60-2		1/1	0/0	1/1
Bismuth nitrate, basic	001304-85-4		1/1	0/0	1/1
Bisulfite solution			1/1	0/0	1/1
Bisulfite solution, containing SO <sub>2</sub>		saturated	1/1	0/0	1/1
Bitter almond oil	090320-35-7		1/4	1/3	1/1
Bitumen	008052-42-4		1/3	0/0	(1)
Bone oil	008001-85-2		1/1	0/0	1/1
Boric acid	010043-35-3	10%	1/1	1/1	1/1
Boric acid	010043-35-3	aqueous	1/1	1/1	1/1
Brake fluid	-		1/1	0/0	1/0
Bromic acid	007789-31-3	concentrated	3/0	0/0	(1)
Bromine	007726-95-6		4/4	1/2	1/3
Bromine pentafluoride	007789-30-2		(3)	0/0	(2)
Bromine steams	007726-95-6		4/4	0/0	1/0
Bromine trifluoride	007787-71-5		(3)	0/0	(2)
Bromine water	007726-95-6	saturated	4/4	0/0	1/1
Bromobenzene	000108-86-1		4/4	2/4	1/0
Bromochloromethane	000074-97-5	100%	4/4	0/0	1/0
Bromotrifluoromethane	000075-63-8		(3)	0/0	(1)
Butadiene, 1,3-	000106-99-0		4/4	1/1	1/1
Butanal see: Butyraldehyde					
Butane	000106-97-8	techn. pure	1/1	0/0	1/1
Butanedicarboxylic acid, 1,4- see Adipic acid					
Butanetriol	-	100%	1/1	0/0	1/1
Butanol see: Butyl alcohol, normal					
Butene	-	techn. pure	4/4	0/0	1/0

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Butoxybutane, 1- see: Butyl ether, (Di-) n-					
Butter	-	-	1/1	0/0	1/1
Butyl acetate, normal	000123-86-4	100%	3/4	1/2	1/1
Butyl acrylate	000141-32-2	100%	3/4	1/1	1/1
Butyl alcohol, normal	000071-36-3	techn. pure	1/2	1/1	1/1
Butyl alcohol, sec-	000078-92-2		1/2	1/1	1/1
Butyl alcohol, tert-	000075-65-0		1/2	1/1	1/1
Butyl aldehyde see: Butyraldehyde					
Butyl carbinol, n- see: Pentanol, 1-					
Butyl ether, (Di-) n-	000142-96-1	techn. pure	3/4	0/0	1/1
Butyl ethylene see: Hexene, 1-					
Butyl stearate	000123-95-5	100%	(2)	0/0	(1)
Butylamine	000109-73-9	F, C	2/0	0/0	(1)
Butylene glycol	-	techn. pure	1/1	0/0	1/1
Butylene hydrate see: Butyl alcohol, sec-					
Butylphenol	-	100%	1/1	0/0	1/1
Butylphenol, p-tert	000098-54-4	techn. pure	1/0	0/0	1/0
Butyraldehyde	000123-72-8		(2)	0/0	(2)
Butyric acid	000107-92-6		4/4	1/1	1/1
Cadmium bromide	007789-42-6		(1)	0/0	1/1
Calcium bicarbonate	-	saturated	1/1	1/1	1/1
Calcium bisulfite	013780-03-5	saturated	1/1	0/0	1/1
Calcium bisulfite	013780-03-5	aqueous	1/1	0/0	1/1
Calcium bromide	007789-41-5		1/1	1/1	1/1
Calcium carbide	000075-20-7		1/1	0/0	1/1
Calcium carbonate	000471-34-1	saturated	1/1	1/1	1/1
Calcium chlorate	010137-74-3	saturated	1/1	0/0	(1)
Calcium chloride	010043-52-4	alkoholic	1/1	0/0	1/0
Calcium chloride	010043-52-4	aqueous	1/1	1/1	1/1
Calcium hydroxyde	001305-62-0	aqueous	1/1	1/1	1/1
Calcium hydroxyde	001305-62-0	concentrated	1/1	1/1	1/1
Calcium hypochlorite	007778-54-3	saturated	1/1	1/1	1/1

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Calcium hypochlorite	007778-54-3	aqueous	1/1	0/0	1/1
Calcium nitrate	010124-37-5	50%	1/1	0/0	1/1
Calcium nitrate	010124-37-5	aqueous	1/1	0/0	1/1
Calcium oxide	001305-78-8	powder	1/1	1/1	1/1
Calcium phosphate	007758-87-4	aqueous	1/1	1/1	1/1
Calcium phosphate	007758-87-4		1/1	1/1	1/1
Calcium sulfate	007778-18-9	saturated	1/1	1/1	1/1
Calcium sulfide	020548-54-3	aqueous	1/1	0/0	1/1
Calcium sulfide	020548-54-3		1/1	0/0	1/1
Calciumacetat	000062-54-4	aqueous	1/1	1/1	1/1
Camphor	000464-48-2/-49-2		1/0	0/0	1/0
Camphor oil	008008-51-3		4/4	0/0	(2)
Caprylic alcohol	000111-87-5		(2)	0/0	(1)
Caraway	-	ground	(2)	0/0	(1)
Carbazole	000086-74-8		1/1	1/1	(2)
Carbolineum	008001-58-9	aqueous	1/0	0/0	1/0
Carbon dioxide	000124-38-9	saturated	1/1	0/0	1/1
Carbon dioxide, damp	000124-38-9	techn. pure	1/1	0/0	1/1
Carbon dioxide, dry	000124-38-9	techn. pure	1/1	0/0	1/1
Carbon disulfide	000075-15-0		4/4	1/3	1/0
Carbon tetrabromide	000558-13-4		3/4	0/0	(1)
Carbon tetrachloride (TETRA)	000056-23-5		4/4	1/1	1/1
Carbon tetrafluoride	000075-73-0		(3)	0/0	(1)
Carbonyl chloride see: Phosgene					
Carnauba wax	008015-86-9		1/1	0/0	1/1
Castor oil	008001-79-4	100%	1/1	0/0	1/1
Caustic potash see: Potassium hydroxide					
Cedar wood oil	008000-27-9		4/4	1/2	(1)
Cesium bromide	007787-69-1		1/1	1/1	1/1
Cetyl alcohol	036653-82-4	100%	1/1	1/1	1/1
Chalk	-		1/1	1/1	1/1
Chloral hydrate	000302-17-0	techn. pure	3/4	0/0	1/1

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Chloramine-T	000127-65-1	diluted	(3)	0/0	1/0
Chloric acid	007790-93-4	1%	1/3	0/0	1/1
Chloric acid	007790-93-4	10%	4/4	0/0	1/1
Chloric acid	007790-93-4	20%	1/4	0/0	1/1
Chloric acid, sodium salt see: Sodium chlorate					
Chlorine	007782-50-5	10 % wet	4/4	1/1	1/1
Chlorine	007782-50-5	97%	4/4	0/0	1/0
Chlorine	007782-50-5	steam	4/4	0/0	1/0
Chlorine dioxide	010049-04-4		(3)	0/0	1/0
Chlorine trifluoride	007790-91-2		(4)	0/0	(2)
Chlorine water	007782-50-5		3/4	1/1	1/1
Chloro acetophenone,	000099-91-2		1/1	1/1	(2)
Chloro-1-propene, 3- see: Allyl chloride					
Chloro-2-propanone, 1- see: Chloroacetone					
Chloroacetic acid	000079-11-8	50%	1/1	0/0	1/1
Chloroacetic acid	000079-11-8		1/2	1/1	1/1
Chloroacetone	000078-95-5		(2)	0/0	(2)
Chlorobenzene	000108-90-7		3/4	1/1	1/1
Chlorodifluoroethane	000075-68-3		(3)	0/0	(1)
Chlorodifluoromethane	000075-45-6		4/4	0/0	1/0
Chloroethane, 1- see: Monochlorethane					
Chloroethyl alcohol, 2-	000107-07-3	techn. pure	4/4	0/0	1/0
Chloroethylene see: Vinyl chloride (VCM)					
Chlorofluorocarbons	-	-	(3)	0/0	(1)
Chlorofluoromethane	000593-70-4		(3)	0/0	(1)
Chloroform	000067-66-3	100%	3/4	2/3	1/1
Chloroformyl chloride see: Phosgene					
Chloronaphthalene, 1-	000090-13-1		4/4	0/0	(1)
Chloropentafluoroethane	000076-15-3		(3)	0/0	(1)
Chloroprene	000126-99-8		(3)	0/0	(1)
Chloropropylene, 3- Allyl chloride					

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<b>Specification:</b>	<b>Chemical Resistances</b>	
<b>Products/Outer Sheath</b>	ELSR-N/-M/-L/-W/-N/-H/-R – BO/BOT	
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	at +20°C / at +50°C	

Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Chlorosulfonic	007790-94-5	techn. Pure	4/4	0/0	1/0
Chlorotoluene	-		(3)	0/0	1/0
Chlorotrifluoromethane	000075-72-9		(3)	0/0	(1)
Chromic acid	001333-82-0	10%	1/1	1/1	1/1
Chromic acid	001333-82-0	20%	3/3	0/0	1/1
Chromic acid	001333-82-0	50%	3/3	1/1	1/1
Chromic potassium sulfate	saturated		1/1	1/1	1/1
Chromic-sulfuric acid	065272-71-1	concentrated	4/4	1/1	1/1
Chromium salts	-	each	1/1	0/0	1/1
Chromium trioxide see: Chromic acid					
Cinnamaldehyde	000104-55-2		(3)	0/0	(1)
Cinnamon	-	ground	(2)	0/0	(1)
Cinnamon oil	008007-80-5		4/4	1/2	(1)
Citric acid	000077-92-9	10%	1/1	1/1	1/1
Citric acid	000077-92-9	50%	1/1	0/0	1/1
Citric acid	000077-92-9	saturated	1/1	0/0	1/1
Citrus juices	-	aqueous	1/1	0/0	1/1
Cleaning agents	-		1/1	0/0	1/1
Clophen A60	011096-82-5		4/4	0/0	(1)
Coal gas, without benzene	-		1/0	0/0	1/0
Cobalt dichloride	007646-79-9	aqueous	1/1	0/0	1/1
Cocoa	-		(2)	1/1	(1)
Cocoa butter	008002-31-1		(2)	0/0	1/1
Coconut butter	-		(2)	0/0	1/1
Coconut fatty alcohol	068425-37-6	techn. pure	1/3	0/0	1/1
Coconut oil	008001-31-8	techn. pure	1/1	0/0	1/1
Cod-liver oil	008001-69-2		1/3	0/0	1/1
Colza oil	008002-13-9		1/3	0/0	1/1
Compressed air	-	oleagineus	3/0	0/0	1/1
Condy's crystals see: Potassium permanganate					
Copper acetate	004180-12-5	aqueous	1/1	0/0	1/1
Copper sulfate	007758-99-8	aqueous	1/1	1/1	1/1
Cotton oil	008001-29-4	techn. Pure	1/1	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Creosote	-		3/4	0/0	1/1
Creosote see: Carbolineum					
Cresol (-mixtures)	001319-77-3		2/3	1/2	1/1
Crotonaldehyde	004170-30-3	techn. pure	1/0	0/0	1/0
Crude oil	-	100%	1/3	0/0	1/1
Cumene	000098-82-8		3/4	1/2	(1)
Cupric chloride	007447-39-4	saturated	1/3	0/0	1/1
Cupric nitrate	003251-23-8	saturated	1/1	0/0	1/1
Cupric nitrate	003251-23-8	aqueous	1/1	0/0	1/1
Cuprous chloride	007758-89-6	aqueous	1/1	0/0	1/1
Cuprous cyanide	000544-92-3	saturated	1/3	0/0	1/1
Curry	-		(2)	0/0	(1)
Cyanoethylene see: Acrylonitrile					
Cyanomethane see: Acetonitrile					
Cyclanon	-		1/1	0/0	1/1
Cyclohexane	000110-82-7		3/4	1/2	1/1
Cyclohexanol	000108-93-0	techn. pure	1/3	0/0	1/1
Cyclohexanone	000108-94-1	techn. pure	2/4	0/0	1/1
Cyclohexatriene see: Benzene					
Cymene, p-	000099-87-6		(3)	0/0	(1)
DDT (emulsion)	000050-29-3		1/1	0/0	(1)
Decahydronaphthalene	000091-17-8		3/4	1/1	1/1
Dehydroacetic acid	000124-18-5		(3)	0/0	(1)
Dehydroacetic	000520-45-6		(2)	0/0	1/1
Densodrin W	-	aqueous	0/0	0/0	1/1
Desiccator fat	-		(2)	0/0	1/1
Desmodur 44	000101-68-8		(2)	0/0	(1)
Developer for fotos	-		1/2	0/0	1/1
Developer liquids	-		1/1	1/1	1/1
Dextrin	009004-53-9	aqueous	1/1	0/0	1/1
Diacetone alcohol	000123-42-2		2/2		(1)
Diamine see: Hydrazine					
Diaminoethane	000107-15-3	techn. pure	1/1	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Diammonium sulfide see: Ammonium sulfide					
Diamyl phthalate	000131-18-0	100%	(2)	0/0	(1)
Dibenzyl sebacate	??		(3)	0/0	(1)
Dibromoethane, 1,2- see: Ethylene dibromiden (EDB)					
Dibromotetrafluoroethane	000124-73-2		(3)	0/0	(1)
Dibutyl phthalate, n-	000084-74-2	FR, 80 °C	0	0	(1)
Dibutyl phthalate, n-	000084-74-2		2/2	1/1	1/1
Dibutyl sebacate	000109-43-3	techn. Pure	1/0	0/0	1/1
Dibutylamine	000111-92-2		(2)	0/0	(1)
Dichloroacetic acid	000079-43-6	50%	1/1	0/0	1/1
Dichloroacetic acid	000079-43-6	techn. pure	1/3	0/0	1/1
Dichlorobenzene, 1,2-	000095-50-1		3/4	1/3	1/1
Dichlorobenzene, 1,4-	000106-46-7		3/4	1/3	1/0
Dichlorodifluoromethane	000075-71-8	techn. pure	4/4	0/0	1/0
Dichlorodifluoromethane	000075-71-8		4/4	0/0	1/0
Dichloroethane	-		3/4	1/1	1/1
Dichloroethylene	-	techn. pure	3/0	0/0	1/0
Dichlorofluoromethane	000075-43-4	100%	4/4	0/0	1/0
Dichlorohexafluorocyclobutane	000356-18-3		(3)	0/0	(1)
Dichloroisopropyl ether	-		(3)	0/0	(1)
Dichloropropane	-	100%	4/4	0/0	(1)
Dichlorotetrafluoroethane	000076-14-2		(3)	0/0	(1)
Dicyclohexyl phthalate	000084-61-7	techn. pure	1/3	0/0	(1)
Dicyclohexylamine (DCHA)	000101-83-7		(2)	0/0	(1)
Diesel fuel	-		1/3	0/0	1/1
Diesel fuel for	-		1/3	1/1	1/1
Diesel oil	068334-30-5	100%	1/3	0/0	1/1
Diethanolamine (DEA)	000111-42-2	100%	1/2	0/0	1/0
Diethyl ethyl	000060-29-7	techn. pure	4/4	1/2	1/1
Diethyl ketone see: Pentanone, 3-					
Diethyl malonate	000105-53-3		1/1	1/1	(1)
Diethyl sebacate	000110-40-7		(2)	0/0	(1)

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Diethyl succinate	000123-25-1		(2)	0/0	(1)
Diethylamine	000109-89-7	techn. pure	1/2	0/0	1/0
Diethylbenzene	000135-01-3		4/4	1/2	(1)
Diethylene glycol	000111-46-6		1/1	1/1	1/1
Diethylene glycolether	-		1/1	1/1	(1)
Difluoroethane	000075-37-6		(3)	0/0	(1)
Difluoromethane	000075-10-5		(3)	0/0	(1)
Diglycolic acid	000110-99-6	aqueous	1/1	0/0	1/1
Diglycolic acid	000110-99-6	30%	1/1	0/0	1/1
Diisobutyl ketone	000108-83-8	techn. pure	1/4	0/0	1/1
Diisobutylene (DIB)	025167-70-8		1/2	0/0	(1)
Diisopropyl ether	000108-20-3	techn. pure	3/4	0/0	1/1
Di-isopropyl ketone	000565-80-0		(3)	0/0	(1)
Dimethyl ether	000115-10-6	gas	4/4	0/0	1/0
Dimethyl formamide (DMF)	000068-12-2		1/1	2/2	1/1
Dimethyl ketone see: Acetone					
Dimethyl phthalate (DMP)	000131-11-3	100%	2/3	0/0	1/1
Dimethyl sulfoxide (DMSO)	000067-68-5		1/1	1/2	(1)
Dimethylacetone see: Pentanone, 3-					
Dimethylamine	000124-40-3	techn. pure	1/3	0/0	1/1
Dimethylaniline	-		4/4	0/0	(1)
Dinitro ethylene glycol	000628-96-6	diluted	(2)	0/0	(1)
Dinonyl phthalate (DNP)	000084-76-4	techn. pure	1/3	0/0	1/0
Diocetyl adipate	000103-23-1		4/4	0/0	1/1
Diocetyl phthalate (DOP)	000117-81-7	techn. pure	4/4	0/0	1/0
Diocetyl sebacate	002432-87-3		(3)	0/0	(1)
Dioxane	000123-91-1		3/3	1/3	1/1
Diphenyl ether	000101-84-8		4/4	0/0	1/0
Diphenylamine	000122-39-4		(3)	0/0	(1)
Diphyl	008004-13-5		4/4	0/0	(1)
Dipropyl ketone	000123-19-3		(3)	0/0	(1)
Dipropylene glycol	025265-71-8		1/1	1/1	(1)
Dipropylene glycol (mono)methylether	-		(2)	0/0	(1)
Disodium phosphate	007558-79-4		1/1	1/1	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Dispersion of rubber	-		1/1	0/0	(1)
Dithionous acid, disodium salt see: Sodium hydrosulfite					
Divinylene oxide see: Furan					
Dope, viscous	-		1/1	0/0	1/1
Emulsifiers	-		1/1	0/0	(1)
Emulsions for fotos	-		1/1	0/0	1/1
Ephetin	-	10% in water	1/1	0/0	0/0
Epichlorhydrin	000106-89-8	100%	2/2	0/0	1/0
Epoxypropane, 1,2- see: Propylene oxid					
Ethanal see: Acetaldehyde					
Ethanedioic acid see: Oxalic acid					
Ethanenitrile see: Acetonitrile					
Ethanoyl chloride see: Acetyl chloride					
Ethoxybenzene	000103-73-1		(3)	0/0	(1)
Ethyl acetate	000141-78-6	100%	1/3	1/2	1/1
Ethyl acrylate	000140-88-5	100%	4/4	0/0	1/0
Ethyl alcohol	000064-17-5	40%	1/1	1/1	1/1
Ethyl alcohol	000064-17-5	50%	1/1	0/0	1/1
Ethyl alcohol	000064-17-5	96%	1/1	1/1	1/1
Ethyl aldehyde see: Acetaldehyde					
Ethyl benzoate	000093-89-0		2/3	1/2	1/0
Ethyl butyrate	000105-54-4		2/4	1/2	(1)
Ethyl chloride see: Monochloroethane					
Ethyl chloroacetate	000105-39-5	techn. pure	1/1	0/0	1/1
Ethyl cyanoacetate	000105-56-6		1/1	1/1	(1)
Ethyl formate	000109-94-4		(2)	0/0	(1)
Ethyl lactate	000097-64-3		1/1	1/1	(1)
Ethyl mercaptan	000075-08-1		(2)	0/0	(1)
Ethyl phenyl ether see: Ethoxybenzene					
Ethyl silicate	000078-10-4		(2)	0/0	(1)
Ethylbenzene	000100-41-4		3/4	2/3	1/0
Ethylene	000074-85-1		(2)	0/0	(1)

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Ethylene dibromiden (EDB)	000106-93-4		4/4	0/0	(1)
Ethylene glycol	000107-21-1		1/1	1/1	1/1
Ethylene glycol monobutyl ether	000111-76-2	100%	1/0	0/0	1/0
Ethylene glycol monoethyl ether	000110-80-5	100%	2/4	0/0	1/0
Ethylene glycol monoethyl ether	000115-15-9		1/2	1/2	(1)
Ethylene glycol monomethyl ether	000109-86-4	100%	1/1	1/1	1/1
Ethylene glycol monomethyl ether	000111-10-4		1/2	1/1	(1)
Ethylene oxide	000075-21-8		3/3	1/1	(1)
Ethylenediaminetetraacetic acid (EDTA)	000060-00-4		1/1	1/1	1/1
Ethylhexanol-1	000104-76-7		1/0	0/0	1/1
Ethyne see: Acetylene					
Eucalyptus oil	008000-48-8		(2)	0/0	(1)
Exhaust gases, alkaline	-		1/1	0/0	1/1
Exhaust gases, containing carbon dioxide		low	1/1	1/1	1/1
Exhaust gases, containing hydrochloric acid		all	1/1	1/1	1/1
Exhaust gases, containing hydrogen fluoride		low	1/1	(2)	1/1
Exhaust gases, containing nitrose		low	1/3	(2)	1/1
Exhaust gases, containing sulfur dioxide		low	1/1	0/0	1/1
Exhaust gases, containing sulfur trioxide		low	4/4	(2)	1/1
Exhaust gases, containing sulfuric acid		all	1/3	(2)	1/1
Fat, animal	-		1/3	0/0	1/1
Fat, mineral	-		1/3	0/0	1/1
Fat, vegetable	-		1/3	0/0	1/1
Fats, edible oil	-		3/0	0/0	1/1
Fatty alcohol sulfonates	-	aqueous	1/3	0/0	1/1
Ferric chloride	007705-08-0	saturated	1/1	1/1	1/1
Ferric nitrate	010421-48-4	aqueous	1/1	1/1	1/1
Ferric nitrate	010421-48-4	saturated	1/1	1/1	1/1
Ferric sulfate	010028-22-5	saturated	1/1	1/1	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Ferrous chloride	007758-94-3	saturated	1/1	1/1	1/1
Ferrous sulfate	007720-78-7	saturated	1/1	1/1	1/1
Ferrous sulfate	007720-78-7	aqueous	1/1	1/1	1/1
Ferrous sulfate	007720-78-7		1/1	1/1	1/1
Fire-damp	-		(2)	0/0	1/1
Fixer for fotos	-		1/1	0/0	1/1
Fluid 101, 100 °C	-		(3)	0	0
Fluorides	-		1/1	1/1	(1)
Fluorine	007782-41-4		4/4	1/3	1/2
Fluorobenzene	000462-06-6		(3)	0/0	(1)
Fluorocarbons	-		(3)	1/1	1/1
Formaldehyde solution	000050-00-0	10%	1/1	1/1	1/1
Formaldehyde solution	000050-00-0	30%	1/1	0/0	1/1
Formaldehyde solution	000050-00-0	40%	1/2	1/1	1/1
Formamide	000075-12-7	techn. pure	1/1	0/0	1/1
Formic acid	000064-18-6	50%	1/2	1/1	1/1
Formic acid	000064-18-6	98-100 %	1/3	1/1	1/1
Formic acid	000064-18-6	3%	1/2	1/1	1/1
Freon 11 see: Trichlorofluoromethane					
Freon 11 see: Trichlorofluoromethane					
Freon 112 see: Tetrachlorodifluoroethane					
Freon 112 see: Tetrachlorodifluoroethane					
Freon 113 see: Trichlorotrifluoroethane					
Freon 113 see: Trichlorotrifluoroethane					
Freon 114 see: Dichlorotetrafluoroethane					
Freon 114 see: Dichlorotetrafluoroethane					
Freon 114 B2 see: Dibromotetrafluoroethane					
Freon 114 B2 see: Dibromotetrafluoroethane					
Freon 115 see: Chloropentafluoroethane					
Freon 115 see: Chloropentafluoroethane					
Freon 12 see: Dichlorodifluoromethane					

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Freon 12 see: Dichlorodifluoromethane					
Freon 13 see: Chlorotrifluoromethane					
Freon 13 see: Chlorotrifluoromethane					
Freon 13 B1 see: Bromotrifluoromethane					
Freon 13 B1 see: Bromotrifluoromethane					
Freon 14 see: Carbon tetrafluoride					
Freon 14 see: Carbon tetrafluoride					
Freon 142b see: Chlorodifluoroethane					
Freon 142b see: Chlorodifluoroethane					
Freon 152a see: Difluoroethane					
Freon 152a see: Difluoroethane					
Freon 21 see: Dichlorodifluoromethane					
Freon 21 see: Dichlorodifluoromethane					
Freon 218 see: Octafluoropropane					
Freon 218 see: Octafluoropropane					
Freon 22 see: Chlorodifluoromethane					
Freon 22 see: Chlorodifluoromethane					
Freon 31 see: Chlorofluoromethane					
Freon 31 see: Chlorofluoromethane					
Freon 32 see: Difluoromethane					
Freon 32 see: Difluoromethane					
Freon C 318 see: Perfluorocyclobutane					
Freon C 318 see: Perfluorocyclobutane					
Freon C316 see: Dichlorohexafluorocyclobutane					
Freon C316 see: Dichlorohexafluorocyclobutane					
Frigen 12 see: Dichlorodifluoromethane					
Frigen 12 see: Dichlorodifluoromethane					
Frigen 21 see: Dichlorodifluoromethane					
Frigen 21 see: Dichlorodifluoromethane					
Frigen 22 see: Chlorodifluoromethane					
Frigen 22 see: Chlorodifluoromethane					

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Fructose	000057-48-7	all	1/1	0/0	1/1
Fruit pulp	-		1/1	1/1	1/1
Fruit wine	-		1/0	1/1	(1)
Fuel + 20% ethyl alcohol	-		(3)	0/0	(1)
Fuel + 20% methyl alcohol	-		(3)	0/0	(1)
Fuel, Normal	-		3/4	0/0	(1)
Fuel, piston engine (JP)	-		1/4	0/0	(1)
Fuel, Super	-		3/4	0/0	(1)
Furalmethanal, 2- see: Furfural					
Furan	000110-00-9		(3)	0/0	(1)
Furancarboxyaldehyde, 2- see: Furfural					
Furfural	000098-01-1		4/4	0/0	(1)
Furfuryl alcohol	000098-00-0	techn. pure	1/3	0/0	1/1
Gallic acid	000149-91-7		1/1	0/0	1/1
Gas liquor	-		1/1	0/0	(1)
Gas oil	-		1/3	0/0	1/1
Gas, natural	-		(2)	0/0	(1)
Gasoline	008006-61-9		3/4	0/0	1/1
Gasoline	086290-81-5		3/4	1/1	1/1
Gearbox EP (Hypoid), 110 °C	-		(3)	0	(2)
Gelatin	009000-70-8	all	1/1	1/1	1/1
Genantin	-		1/1	0/0	1/1
Ginger	-	ground	(2)	0/0	(1)
Glucose	000050-99-7	all	1/1	1/1	1/1
Glue (bone glue)	-	all	1/1	0/0	1/1
Glycerol	000056-81-5	all	1/1	1/1	1/1
Glycine	000056-40-6	10%	1/1	1/1	1/1
Glycolic acid	000079-14-1	37%	1/1	0/0	1/1
Glycolic acid	000079-14-1	70%	1/1	0/0	1/1
Glysantin	-		1/1	0/0	1/1
Gum tragacanth	009000-65-1		1/1	1/1	1/1
HD-Oil motor oil,	-		1/3	0/0	1/1
Helium	007440-59-7		1/0	1/1	1/1

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	at +20°C / at +50°C	

Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Henkel-P3-solution	-		1/1	0/0	1/1
Heptane, normal	000142-82-5		2/4	1/1	1/1
Heptanol, 1-	000111-70-6		(2)	0/0	(1)
Heptanone	-		(3)	0/0	(1)
Hexachlorbenzene (HCB)	000118-74-1		(3)	0/0	(2)
Hexachlorocyclohexane (alpha-BHC)	000319-84-6		(3)	0/0	(2)
Hexahydropyridine see: Piperidine					
Hexaldehyde, n-	000066-25-1		(2)	0/0	(1)
Hexamethylenetetramine	000100-97-0		(2)	0/0	(1)
Hexane, n-	000110-54-3		2/3	1/1	1/1
Hexanedioic see: Adipic acid					
Hexanetriol	-	100%	1/1	0/0	1/1
Hexene, 1-	000592-41-6		(3)	0/0	(1)
Hexyl alcohol	000111-27-3		1/2	0/0	1/0
Honey	-		1/1	1/1	1/1
Hydraulic fluids, HFA	-	50 °C	(3)	0	(1)
Hydraulic fluids, HFB	-	50 °C	(3)	0	(1)
Hydraulic fluids, HFC	-	60 °C	(3)	0	(1)
Hydraulic fluids, HFD-R	-	100 °C	(3)	0	0
Hydraulic fluids, HFD-S	-	100 °C	(3)	0	0
Hydraulic oil (based on mineral oil)	-		1/3	0/0	(1)
Hydrazine	000302-01-2	10%	1/1	0/0	1/0
Hydrazine hydrate	010217-52-4	aqueous	1/1	0/0	1/0
Hydrocyanic acid, sodium salt see: Sodium cyanite					
Hydrogen	001333-74-0	techn. pure	1/0	0/0	1/1
Hydrogen bromide	010035-10-6	40%	1/1	0/0	1/1
Hydrogen bromide	010035-10-6	50%	1/2	1/1	1/1
Hydrogen bromide	010035-10-6	diluted	1/1	0/0	1/1
Hydrogen carboxylic acid see: Formic acid					
Hydrogen chloride	007647-01-0	1-5 %	1/1	1/1	1/1
Hydrogen chloride	007647-01-0	35%	1/2	1/1	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Hydrogen chloride	007647-01-0	concentrated	1/2	1/1	1/1
Hydrogen chloride	007647-01-0	20%	1/1	1/1	1/1
Hydrogen chloride (gas)	007647-01-0	anhydrous	1/1	0/0	1/1
Hydrogen cyanide	000074-90-8	techn. pure	1/1	0/0	1/1
Hydrogen cyanide	000074-90-8	aqueous	1/1	0/0	1/1
Hydrogen fluoride	007664-39-3	anhydrous	(2)	0/0	1/0
Hydrogen fluoride	007664-39-3	4%	1/2	1/1	1/1
Hydrogen fluoride	007664-39-3	50%	1/1	1/1	1/1
Hydrogen fluoride	007664-39-3	70%	1/3	0/0	1/1
Hydrogen fluoride	007664-39-3	100%	(2)	0/0	1/0
Hydrogen peroxide	007722-84-1	30%	1/3	1/1	1/1
Hydrogen peroxide	007722-84-1	100%	4/4	0/0	(1)
Hydrogen peroxide	007722-84-1	90%	1/2	1/1	1/1
Hydrogen peroxide	007722-84-1	3%	1/1	1/1	1/1
Hydrogen sulfide	007783-06-4	saturated	1/1	0/0	1/1
Hydroquinone	000123-31-9	saturated	1/0	0/0	1/1
Hydroxyaluminium di(acetate)	000139-12-8	aqueous	1/1	1/1	1/1
Hydroxylamine disulfate	010039-54-0	12%	1/1	0/0	(1)
Hydroxylamine disulfate	010039-54-0	all	1/1	0/0	(1)
Hydroxymethyl furfural, 5- (HMF)	000067-47-0		(2)	0/0	(1)
Imidole see: Pyrrole					
Iodine pentafluoride	007783-66-6		(3)	0/0	(2)
Iodine, tincture of I2	007553-56-2		1/2	1/1	1/1
Iodoform	000075-47-8	100%	3/0	0/0	1/0
Isoamyl alcohol	000123-51-3		1/1	0/0	!/1
Isobutanol	000078-83-1		1/1	1/1	(1)
Isobutyl acetate	000110-19-0		(3)	0/0	1/0
Isobutyl alcohol see: Isobutanol					
Isobutyltrimethylmethane see Trimethylpentane, 2,2,4-					
ISO-Fluid liquid	-	liquid	3/4	0/0	1/1
ISO-Fluid A	-	-	(3)	0/0	(1)
ISO-Fluid B	-	-	(3)	0/0	(1)

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
ISO-Fluid C	-	-	(3)	0/0	(1)
ISO-Fluid D	-	-	(3)	0/0	(1)
Iso-octane see: Trimethylpentane, 2,2,4-					
Isopropyl acetate	000108-21-4		2/3	1/2	1/1
Isopropyl alcohol	000067-63-0	techn. pure	1/1	1/1	1/1
Isopropyl carbinol see: Isobutanol					
Isopropyl chloride	000075-29-6		(3)	0/0	(1)
Jam	-		1/1	1/1	1/1
Juices	-		1/1	0/0	1/1
Kapsolat see: Ethylene glycol monomethyl oleate					
Kerosene	008008-20-6		3/3	2/3	1/1
Kerosene	-	techn. pure	1/3	0/0	1/1
Lactames	-		(2)	0/0	(1)
Lactic acid	000050-21-5	3%	1/2	1/1	1/1
Lactic acid	000050-21-5	80%	1/1	1/2	1/1
Lactic acid	000050-21-5	85%	1/2	1/2	1/1
Lactose	000063-42-3	aqueous	1/1	1/1	1/1
Lanolin	008006-54-0	techn. pure	3/3	0/0	1/1
Lard	-		(2)	0/0	1/1
Latex	-		1/1	0/0	1/1
Laurel	-	ground	(2)	0/0	(1)
Lauryl alcohol	000112-53-8	100%	1/1	0/0	1/1
Lauryl chloride	000112-52-7	100%	(3)	0/0	1/0
Lavender oil	008000-28-0		(3)	0/0	(1)
Lead acetate	000301-04-2	aqueous	1/1	1/1	1/1
Lead acetate	000301-04-2		1/1	1/1	1/1
Lead nitrate	010099-74-8	aqueous	1/1	1/1	1/1
Lead nitrate	010099-74-8		1/1	1/1	1/1
Lead stearate	001072-35-1		1/1	1/1	1/1
Lead sulfate	007446-14-2		1/1	1/1	1/1
Lead tetraethyl (TEL)	000078-00-2	techn. pure	2/4	0/0	1/0
Lemon juice	-	-	1/1	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Lemon oil	084929-31-7		(3)	0/0	(1)
Lemongrass oil	008007-02-1		(3)	0/0	(1)
Ligroin	008032-32-4		(3)	0/0	1/1
Limonene, DL-	000138-86-3		(3)	0/0	(1)
Linseed oil	008001-26-1	techn. pure	1/1	0/0	1/1
Liqueurs	-		1/0	0/0	1/1
Lithium bromide	007550-35-8		1/1	0/0	1/1
Lube oils	-		3/0	0/0	1/1
Lysol	-		1/3	0/0	(1)
Machine oil	-	100%	1/3	0/0	1/1
Magnesium bromide	007789-48-2		1/1	1/1	1/1
Magnesium carbonate	000546-93-0	saturated	1/1	1/1	1/1
Magnesium chloride	007786-30-3	aqueous	1/1	1/1	1/1
Magnesium chlorite	??		0/0	0/0	1/1
Magnesium hydroxide	001309-42-8	saturated	1/1	1/1	1/1
Magnesium iodide	010377-58-9		1/1	1/1	1/1
Magnesium nitrate	010377-60-3	saturated	1/1	1/1	1/1
Magnesiumsulfat	007487-88-9	all	1/1	1/1	1/1
Maize-germ oil	008001-30-7	techn. pure	1/3	0/0	1/1
Maleic acid	000110-16-7	saturated	1/1	1/1	1/1
Maleic acid	000110-16-7	aqueous	1/1	1/1	1/1
Margarine	-		1/1	0/0	1/1
Menthol	000089-78-1	solid	1/3	0/0	1/1
Mercuric chloride	007487-94-7	aqueous	1/1	1/1	1/1
Mercuric cyanide	000592-04-1	saturated	1/1	(1)	1/1
Mercuric nitrate	010045-94-0	saturated	1/1	(1)	1/1
Mercury	007439-97-6	pure	1/1	1/1	1/1
Mesityl oxide	000141-79-7		(3)	0/0	1/1
Methacetone see: Pentanone, 3-					
Methacrylic acid	000079-41-4		1/1	0/0	1/1
Methane	000074-82-8	techn. pure	1/0	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Methanoic acid see: Formic acid					
Methenamine see: Hexamethylenetetramine					
Methoxy butanol	-	100%	1/3	0/0	1/1
Methoxyethane	000540-67-0	100%	(3)	0/0	1/0
Methoxyethyl oleate see: Ethylene glycol monomethyl ether oleate					
Methyl acetate	000079-20-9	techn. pure	1/3	0/0	1/1
Methyl acrylate	000096-33-3		(2)	0/0	(1)
Methyl alcohol	000067-56-1		1/1	1/1	1/1
Methyl amine	000074-89-5	32%	1/0	0/0	1/0
Methyl benzene	000108-88-3		3/4	1/1	1/0
Methyl bromide	000074-83-9	techn. pure	4/4	0/0	1/0
Methyl butanol	-		1/1	0/0	1/1
Methyl butyl ketone	000591-78-6		(3)	0/0	(1)
Methyl cellosolveat oleate see: Ethylene glycol monomethyl ether oleate					
Methyl chloride	000074-87-3	techn. pure	4/4	0/0	1/0
Methyl cyanide see: Acetonitrile					
Methyl dichloroacetate	000116-54-1		1/1	0/0	1/1
Methyl ethyl carbinol see: Butyl alcohol, sec-					
Methyl ethyl ether see: Methoxyethane					
Methyl ethyl ketone (MEK)	000078-93-3		1/3	2/3	1/1
Methyl ethylene oxide see: Propylene oxide					
Methyl formate	000107-31-3		(2)	0/0	(1)
Methyl isobutyl ketone	000108-10-1		2/4	2/3	1/1
Methyl isopropyl ketone	000563-80-4		(3)	0/0	(1)
Methyl ketone see: Acetone					
Methyl methacrylate	000080-62-6	100%	(2)	0/0	1/1
Methyl propyl ketone	000107-87-9		2/3	1/2	(1)
Methyl salicylate	000119-36-8		1/0	0/0	(1)
Methyl sulfuric acid	000077-78-1	50%	2/4	0/0	1/1
Methyl sulfuric acid	000077-78-1	aqueous	(2)	0/0	1/1
Methyl-1-propanol, 2- see: Isobutanol					
Methylchloroacetate	000096-34-4	techn. pure	1/1	0/0	(1)

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Methylcyclohexane	000108-87-2		3/0	0/0	1/0
Methylcyclopentane	000096-37-7		(3)	0/0	(1)
Methylene chloride	000075-09-2		3/4	2/2	1/1
Methylglycol acetate	000110-49-6		(2)	0/0	(1)
Methyloxirane see: Propylene oxid					
Methylpropyl acetate, 2- see: Isobutyl acetate					
Milk	-		1/1	1/1	1/1
Mineral oil	008012-95-1		1/3	1/1	1/1
Mineral water	-		1/1	1/1	1/1
Molasses	-		1/1	1/1	1/1
Molasses wort	-		1/1	1/1	1/1
Monochlorobenzene (MCB) see: Chlorobenzene					
Monochloroethane	000075-00-3		3/4	1/1	1/0
Morpholine	000110-91-8	techn. pure	1/1	0/0	1/1
Motor oil	-		1/3	0/0	(1)
Mowilith D	-		1/0	0/0	1/1
Muscat	-	ground	(2)	0/0	(1)
Mustard	-		1/1	0/0	(1)
Naphtha	008032-32-4		1/3	0/0	1/1
Naphthalene	000091-20-3	100%	1/3	0/0	1/1
Naphthalene (in alcohol)	-		1/3	0/0	1/1
Neon	007440-01-9		(1)	1/1	1/1
Nickel acetate	000373-02-4	aqueous	1/1	0/0	1/1
Nickel dichloride	007718-54-9	saturated	1/1	0/0	1/1
Nickel dichloride	007718-54-9	aqueous	1/1	0/0	1/1
Nickel sulfate	007786-81-4	saturated	1/1	0/0	1/1
Nickel sulfate	007786-81-4	aqueous	1/1	0/0	1/1
Nickelous nitrate	013138-45-9	saturated	1/1	0/0	1/1
Nicotine	000054-11-5		1/0	0/0	(1)
Nicotinic acid	000059-67-6	diluted	1/0	0/0	(1)
Nitric acid	007697-37-2	1-10 %	1/1	1/1	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Nitric acid	007697-37-2	50%	3/4	1/1	1/1
Nitric acid	007697-37-2	66%	4/4	1/1	1/1
Nitric acid	007697-37-2	100%	4/4	0/0	1/1
Nitric acid	007697-37-2	70%	4/4	1/1	1/1
Nitric acid see: Ammonium nitrate					
Nitric acid, magnesium salt see: Magnesium nitrate					
Nitric acid, potassium salt see: Potassium nitrate					
Nitro benzoic acid	-		1/0	0/0	(1)
Nitro reducer	-		(3)	0/0	(1)
Nitrobenzene	000098-95-3		2/4	1/2	1/1
Nitroethane	000079-24-3		(2)	0/0	(1)
Nitrogen	007727-37-9		1/1	1/1	1/1
Nitrogen hydride see: Hydrazine					
Nitrogen tetroxide	010544-72-6		1/0	0/0	(1)
Nitroglycerine	000055-63-0	diluted	(2)	0/0	1/0
Nitrohydrochloric acid	+		4/4	1/1	1/1
Nitropropane	-		(2)	0/0	(1)
Nitrose gases	-	diluted	1/4	0/0	1/1
Nitrotoluene	001321-12-6	techn. pure	1/3	0/0	1/1
Nitrous acid, sodium salt see: Sodium nitrite					
Nitrous oxide	010024-97-2		(2)	0/0	(1)
Nonanol see: Nonyl alcohol					
Nonyl alcohol	000143-08-8	100%	1/1	0/0	(1)
Nutmeg oil	008008-45-5		(2)	0/0	(1)
Octafluoropropane	000076-19-7		(3)	0/0	(1)
Octane	000111-65-9		1/1	1/1	(1)
Octyl carbinol see: Nonyl alcohol					
Octyl cresol	-	100%	3/0	0/0	(1)
Oils and fats, vegetable	-		1/3	0/0	1/1
Oils, essential	-		3/4	0/0	(1)
Oleic acid	000112-80-1	techn. pure	1/3	0/0	1/1
Oleic acid methyl ester	000112-62-9	-	(2)	0/0	(1)

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Oleum	008014-95-7	10 % SO3	4/4	0/0	1/0
Oleum steams	-	low	4/4	0/0	(1)
Olive oil	008001-25-0		1/1	0/0	1/1
Orange juice	-		1/1	1/1	1/1
Orange oil	008028-48-6		(3)	0/0	1/1
Orange oil, bitter	068916-04-1		2/3	1/1	(1)
Oxacyclopentadiene see: Furan					
Oxalic acid	000144-62-7	aqueous	1/1	1/1	1/1
Oxalic acid	000144-62-7		1/1	1/1	1/1
Oxygen	007782-44-7	techn. pure	1/3	0/0	1/1
Ozone	010028-15-6		3/4	1/1	(1)
Ozone-air-mixture	-		3/4	1/1	(1)
Palm kernel oil	008023-79-8		1/3	0/0	1/1
Palm oil	008002-75-3		1/3	0/0	1/1
Palmitic acid	000057-10-3	techn. Pure	3/4	0/0	1/1
Paraffin wax	008002-74-2	melted	(2)	0	1
Paraffin-emulsion	-		1/3	0/0	1/1
Paraffins	-	100%	1/1	0/0	1/1
Paraformaldehyde	030525-89-4		1/0	0/0	(1)
Peanut oil	008002-03-7		1/1	0/0	1/1
Pectin	009000-69-5	aqueous	1/1	1/1	1/1
Pectin	009000-69-5		1/1	1/1	1/1
Pelargonic alcohol see: Nonyl alcohol					
Penicillin	-		(2)	(1)	(1)
Pentachlorbiphenyl	-		4/4	0/0	(1)
Pentamethyleneimine see: Piperidine					
Pentane, normal	000109-66-0		(3)	0/0	(1)
Pentanethiol, 1-	000110-66-7		(2)	0/0	(1)
Pentanol, 1-	000071-41-0		1/1	1/1	1/1
Pentanone, 3-	000096-22-0		2/2	2/3	1/1
Pentyl alcohol, n- see: Pentanol, 1-					
Pepper	-	ground	(2)	0/0	(1)
Perchloric acid	007601-90-3	70%	4/4	1/2	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Perchloric acid	007601-90-3	20%	1/3	0/0	1/1
Perchlorobutadiene	000087-68-3		(3)	0/0	(2)
Perchloroethylene see: Tetrachloroethylene					
Perfluorocyclobutane	000115-25-3		(3)	0/0	(1)
Perfumes	-		1/0	0/0	(1)
Permanganic acid, potassium salt see Potassium permanganate					
Petroleum	008002-05-9		1/0	0/0	1/0
Petroleum ether	008032-32-4	techn. pure	1/3	0/0	1/1
Phenacetin	000062-44-2		(2)	0/0	(1)
Phenethyl alcohol	000060-12-8		1/0	0/0	(1)
Phenetole see: Ethoxybenzene					
Phenol	000108-95-2	10%	1/1	0/0	1/1
Phenol	000108-95-2	100%	1/2	1/1	1/1
Phenolic resin mass	-		1/1	0/0	(1)
Phenyl chloride see: Chlorobenzene					
Phenyl methyl ketone see: Acetophenone					
Phenylethanone, 1- see: Acetophenone					
Phenylhydrazine	000100-63-0	techn. pure	3/4	0/0	1/1
Phenylhydrazine hydrochloride	000059-88-1		1/3	0/0	1/1
Phenylsulfonate	070528-83-5		1/1	0/0	(1)
Phosgene	000075-44-5	liquid	0/0	0/0	1/1
Phosgene	000075-44-5	gaseous	3/4	0/0	1/1
Phosphates	-	aqueous	3/4	0/0	1/1
Phosphine	007803-51-2	concentrated	(3)	0/0	1/0
Phosphoric acid	007664-38-2	30%	1/1	0/0	1/1
Phosphoric acid	007664-38-2	85%	1/2	1/1	1/1
Phosphoric acid	007664-38-2	1-5 %	1/1	1/1	1/1
Phosphoric acid	007664-38-2	20%	1/1	0/0	1/1
Phosphorus oxychloride	010025-87-3	100%	1/3	0/0	1/1
Phosphorus oxychloride	010025-87-3		1/3	0/0	1/1
Phosphorus pentachloride	010026-13-8		1/1	0/0	1/1
Phosphorus pentoxide	001314-56-3	techn. pure	1/0	0/0	1/0

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Phosphorus trichloride	007719-12-2		1/3	0/0	1/1
Phthalic acid	000088-99-3	saturated	1/1	0/0	1/1
Phthalsäuremonoamylester	??		(2)	0/0	(1)
Picric acid	000088-89-1	1 % aqueous	1/1	0/0	1/0
Pine oil	008023-99-2		1/1	0/0	(1)
Pineapple juice	-		1/1	1/1	1/1
Pink	ground		(2)	0/0	1/1
Piperidine	000110-89-4		(2)	0/0	(1)
Plasticiser	-		1/3	0/0	(1)
Polish remover	-	?	1/3	0/0	(1)
Polyester resins	-		3/0	0/0	(1)
Polyethylene glycol	025322-68-3	100%	1/1	0/0	(1)
Polyoxymethylene see: Paraformaldehyde					
Polyran M25	-	80 °C	0	0	0
Polyran M400	-	80 °C	0	0	0
Polysolvan O	007397-62-8	100%	(2)	0/0	(1)
Potassium acetate	000127-08-2	aqueous	1/1	1/1	1/0
Potassium bisulfate	007646-93-7	aqueous	1/1	1/1	1/1
Potassium bisulfate	007646-93-7		1/1	1/1	1/1
Potassium bitartrate	000868-14-4	saturated	1/1	1/1	1/1
Potassium borate	012228-88-5	10%	1/1	1/1	1/1
Potassium borate	012228-88-5	aqueous	1/1	1/1	1/1
Potassium bromate	007758-01-2	saturated	1/1	0/0	1/1
Potassium bromate	007758-01-2	aqueous	1/1	0/0	1/1
Potassium bromide	007758-02-3	each	1/1	0/0	1/1
Potassium carbonate	000584-08-7	saturated	1/1	0/0	1/1
Potassium carbonate	000584-08-7	aqueous	1/1	0/0	1/1
Potassium chlorate	003811-04-9	saturated	1/1	0/0	1/1
Potassium chlorate	003811-04-9	aqueous	1/1	0/0	1/1
Potassium chloride	007447-40-7	aqueous	1/1	1/1	1/1
Potassium chromate	007789-00-6	saturated	1/1	0/0	1/1
Potassium chromate	007789-00-6	aqueous	1/1	0/0	1/1
Potassium cyanide	000151-50-8	saturated	1/1	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Potassium cyanide	000151-50-8	aqueous	1/1	0/0	1/1
Potassium dichromate	007778-50-9	saturated	1/1	0/0	1/1
Potassium dichromate	007778-50-9	aqueous	1/1	0/0	1/1
Potassium ferricyanide	013746-66-2	each	1/1	1/1	1/1
Potassium ferrocyanide	014459-95-1	saturated	1/1	1/1	1/1
Potassium ferrocyanide	014459-95-1	diluted	1/1	1/1	1/1
Potassium fluoride	007789-23-3		1/1	1/1	1/1
Potassium hydrogen carbonate	000298-14-6	saturated	1/1	1/1	1/1
Potassium hydroxide	001310-58-3	10%	1/1	1/1	1/1
Potassium hydroxide	001310-58-3	30%	1/1	0/0	1/1
Potassium hydroxide	001310-58-3	50%	1/1	1/1	1/1
Potassium hydroxide	001310-58-3	concentrated	1/1	1/1	1/1
Potassium hydroxide	001310-58-3	1%	1/1	1/1	1/1
Potassium hypochlorite	007778-66-7	diluted	1/3	0/0	1/1
Potassium iodate	007758-05-6		1/1	0/0	1/0
Potassium iodide	007681-11-0	saturated	1/1	1/1	1/1
Potassium iodide	007681-11-0	aqueous	1/1	1/1	1/1
Potassium lye see: Potassium hydroxide					
Potassium nitrate	007757-79-1	50%	1/1	1/1	1/1
Potassium nitrate	007757-79-1	aqueous	1/1	1/1	1/1
Potassium perchlorate	007778-74-7	saturated	1/1	1/1	1/1
Potassium perchlorate	007778-74-7	aqueous	1/1	1/1	1/1
Potassium permanganate	007722-64-7	aqueous	1/1	0/0	1/1
Potassium permanganate	007722-64-7		1/1	1/1	1/1
Potassium persulfate	007727-21-1	all	1/1	0/0	1/1
Potassium sulfate	007778-80-5	aqueous	1/1	1/1	1/1
Potassium sulfide	001312-73-8	diluted	1/1	0/0	1/1
Potassium sulfite	010117-38-1	saturated	1/1	0/0	1/1
Potassium thiosulfate	010233-00-8	saturated	1/1	1/1	1/1
Precipitated silica	001343-98-2	all	1/1	1/1	1/1
Prontosil	-		(2)	0/0	(1)
Propane	000074-98-6	liquid	1/0	0/0	1/1
Propane	000074-98-6	gaseous	2/4	1/1	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Propanetriol, 1,2,3- see: Glycerol					
Propanone, 2- see: Acetone					
Propargyl alcohol	000107-19-7	7%	1/1	0/0	1/1
Propenenitrile, 2- see: Acrylonitrile					
Propenyl alcohol see: Allyl alcohol					
Propionic acid	000079-09-4	50%	1/1	0/0	1/1
Propionic acid	000079-09-4		1/3	0/0	1/1
Propyl acetate, normal	000109-60-4		(2)	0/0	(1)
Propyl alcohol	000071-23-8		1/1	0/0	1/1
Propyl carbinol see: Butyl alcohol, normal					
Propyl nitrate	000627-13-4		(2)	0/0	(1)
Propylamine, n-	000107-10-8		(2)	0/0	(1)
Propylene	000115-07-1		1/1	0/0	1/1
Propylene glycol	000057-55-6		1/1	1/1	1/1
Propylene oxid	000075-56-9		1/2	3/4	1/0
Pydraul C (312, 540)	-		0/0	0/0	(1)
Pydraul E (29, 30, 50, 65, 90, 11)	-		0/0	0/0	(1)
Pyridine	000110-86-1		3/3	1/1	1/1
Pyrogallic acid	000087-66-1		1/0	0/0	(1)
Pyroligneous oil	008001-20-5		(2)	0/0	(1)
Pyrrole	000109-97-7		(3)	0/0	(1)
Quinine	000130-95-0		1/1	1/1	1/1
Quinol see: Hydroquinone					
Ramasit	-		0/0	0/0	(1)
Resorcinol	000108-46-3	5%	1/1	1/3	(1)
Resorcinol	000108-46-3	saturated	1/1	1/1	(1)
Roaster off-gas	-	all	1/1	0/0	(1)
Rose oil	008007-01-0		(2)	0/0	(1)
Rum ether	008030-89-5		(2)	0/0	(1)
Sagrotan	-	liquid	1/3	0/0	(1)
Salicyl acid	000069-72-7	saturated	1/1	1/1	1/0
Salicyl acid	000069-72-7	powder	1/1	1/1	1/0
Salicylaldehyde	000090-02-8		1/2	1/4	(1)

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Salt spring	007647-14-5	saturated	1/1	1/1	1/1
Salt water, sea water	-		1/1	1/1	1/1
Saltpeter see: Potassium nitrate					
Saturated steam condensate	-		1/1	0/0	1/1
Sea	-		1/1	1/1	1/1
Silicofluoric acid	016961-83-4	32%	1/1	1/1	1/1
Silicone greases	-		1/1	0/0	(1)
Silicone oil	-		1/1	0/0	1/1
Silver acetate	000563-63-3		1/1	1/1	(1)
Silver cyanide	000506-64-9		1/1	0/0	(1)
Silver nitrate	007761-88-8	aqueous	1/1	0/0	1/1
Silver nitrate	007761-88-8	C	1/2	1/1	1/1
Skydrol 500	-	-	0/0	0/0	(1)
Skydrol 7000	-		0/0	0/0	(1)
Soaps, liquid	-		1/1	0/0	1/1
Soapy solution	-	all	1/1	1/1	1/1
Sodium acetate	000127-09-3	all	1/1	1/1	1/1
Sodium benzoate	000532-32-1	36%	1/1	1/1	1/1
Sodium benzoate	000532-32-1	aqueous	1/1	1/1	1/1
Sodium benzoate	000532-32-1		1/1	1/1	1/1
Sodium bicarbonate	000144-55-8	aqueous	1/1	1/1	1/1
Sodium bisulfate	007681-38-1	10%	1/1	1/1	1/1
Sodium bisulfate	007681-38-1	all	1/1	1/1	1/1
Sodium bisulfite	007631-90-5	aqueous	1/1	0/0	1/1
Sodium borate	001303-96-4	saturated	1/1	1/1	1/1
Sodium borate	001303-96-4	aqueous	1/1	1/1	1/1
Sodium bromate	007789-38-0	each	1/1	0/0	1/1
Sodium bromide	007647-15-6	each	1/1	1/1	1/1
Sodium carbonate	000497-19-8	saturated	1/1	1/1	1/1
Sodium carbonate	000497-19-8	aqueous	1/1	1/1	1/1
Sodium carbonate	000497-19-8		1/1	1/1	1/1
Sodium chlorate	007775-09-9	each	1/1	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Sodium chlorate	007775-09-9	aqueous	1/1	0/0	1/1
Sodium chloride	007647-14-5	each	1/1	1/1	1/1
Sodium chloride	007647-14-5	aqueous	1/1	1/1	1/1
Sodium chlorite	007758-19-2	diluted	1/3	0/0	1/1
Sodium chromate	007775-11-3	diluted	1/1	0/0	1/1
Sodium cyanide	000143-33-9	saturated	1/1	0/0	1/1
Sodium cyanide	000143-33-9	aqueous	1/1	0/0	1/1
Sodium dichromate	010588-01-9		1/1	1/1	1/1
Sodium dithionite see: Sodium hydrosulfite					
Sodium dodecylbenzene sulfonate	025155-30-0		1/1	0/0	1/1
Sodium ferrocyanide	013601-19-9		1/1	1/1	1/1
Sodium fluoride	007681-49-4	saturated	1/1	0/0	1/1
Sodium hydrosulfite	007775-14-6	10%	1/1	0/0	1/1
Sodium hydrosulfite	007775-14-6		1/1	0/0	1/1
Sodium hydroxide	001310-73-2	concentrated	1/1	0/0	1/1
Sodium hydroxide	001310-73-2	30%	1/1	0/0	1/1
Sodium hydroxide	001310-73-2	45%	1/1	0/0	1/1
Sodium hydroxide	001310-73-2	50%	1/1	1/1	1/1
Sodium hydroxide	001310-73-2	60%	1/1	0/0	1/1
Sodium hydroxide	001310-73-2	1%	1/1	1/1	1/1
Sodium hypochlorite	007681-52-9	diluted	2/3	0/0	1/1
Sodium hypochlorite	007681-52-9	15%	2/3	1/1	1/1
Sodium hypochlorite	007681-52-9	saturated	2/3	0/0	1/1
Sodium hypochlorite	007681-52-9	12,5% Cl	2/3	1/1	1/1
Sodium iodide	007681-82-5	each	1/0	1/1	1/1
Sodium metabisulfite	007681-57-4	each	1/1	0/0	1/1
Sodium nitrate	007631-99-4	saturated	1/1	1/1	1/1
Sodium nitrate	007631-99-4	aqueous	1/1	1/1	1/1
Sodium nitrite	007632-00-0	saturated	1/1	0/0	1/1
Sodium nitrite	007632-00-0	aqueous	1/1	0/0	1/1
Sodium oxalate	000062-76-0	saturated	1/1	1/1	1/1
Sodium perborate	013517-20-9	saturated	1/1	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Sodium perborate	013517-20-9	aqueous	1/1	0/0	1/1
Sodium perchlorate	007601-89-0	saturated	1/1	0/0	1/1
Sodium peroxide	001313-60-6	10%	2/2	0/0	1/1
Sodium peroxide	001313-60-6	saturated	2/2	0/0	1/1
Sodium persulfate	007775-27-1	saturated	1/1	0/0	1/1
Sodium phosphate	010101-89-0	saturated	1/1	1/1	1/1
Sodium phosphate	010101-89-0	aqueous	1/1	1/1	1/1
Sodium polyphosphates	068915-31-1	saturated	1/1	0/0	1/1
Sodium silicate	001344-09-8	all	1/1	0/0	1/1
Sodium silicate	001344-09-8	saturated	1/1	0/0	1/1
Sodium stearate	000822-16-2	aqueous	1/1	1/1	1/1
Sodium sulfate	007757-82-6	saturated	1/1	1/1	1/1
Sodium sulfate	007757-82-6	aqueous	1/1	1/1	1/1
Sodium sulfate	007757-82-6		1/1	1/1	1/1
Sodium sulfide	001313-82-2	saturated	1/1	0/0	1/1
Sodium sulfide	001313-82-2	aqueous	1/1	0/0	1/1
Sodium sulfite	007757-83-7	saturated	1/1	0/0	1/1
Sodium sulfoxylate see: Sodium hydrosulfite					
Sodium thiosulfate	010102-17-7	all	1/1	1/1	1/1
Sodium thiosulfate	010102-17-7	saturated	1/1	0/0	1/1
Sodium thiosulfate	010102-17-7	aqueous	1/1	0/0	1/1
Soft soap	-	diluted	1/1	0/0	1/1
Soya oil	008001-22-7		1/0	0/0	1/1
Spermaceti	008002-23-1		0/0	0/0	1/1
Spindle oil	-		1/4	0/0	1/1
Spinning bath acid	-	100mg CS2/l	1/0	0/0	1/1
Spirit (of wine)	-		1/1	1/1	1/1
Spirits	-		1/1	1/1	1/1
Spirits of Turpentine	008006-64-2		4/4	1/1	1/0
Spirits of wine	-	50%	1/1	0/0	1/1
Spirits of wine	-	96%	1/1	1/1	1/1
Spruce oil	008008-80-8		1/2	1/2	(1)
Stannic chloride	007646-78-8	aqueous	1/1	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Stannous chloride	007772-99-8	aqueous	1/1	0/0	1/1
Stannous chloride	007772-99-8	saturated	1/1	0/0	1/1
Starch solution	-	all	1/1	1/1	1/1
Starch syrup	-		1/1	1/1	1/1
Stauffer grease, thick	-		(2)	0/0	1/1
Steam	-	up to 150 °C	(3)	0	1
Stearic acid	000057-11-4	crystals	1/3	1/1	1/1
Strontium bromide	010476-81-0		1/1	0/0	1/1
Strychnine	000057-24-9		(1)	0/0	1/1
Styrene	000100-42-5	100%	3/4	0/0	1/1
Succinic acid	000110-15-6	50%	1/1	1/1	1/1
Succinic acid	000110-15-6	saturated	1/1	1/1	1/1
Sugar acid	-	saturated	1/1	0/0	1/1
Sugar beet juice	-		1/1	1/1	1/1
Sugar syrup	-		1/1	1/1	1/1
Sulfur S8	007704-34-9	techn. pure	1/1	0/0	1/1
Sulfur (mono)chloride	010025-67-9		4/4	0/0	1/1
Sulfur dioxide	007446-09-5	damp	1/3	1/1	1/1
Sulfur dioxide	007446-09-5	liquid	4/4	1/2	1/1
Sulfur hexafluoride	002551-62-4		(2)	0/0	(1)
Sulfur trioxide	007446-11-9		4/4	0/0	(2)
Sulfur, melted, 121 °C	007704-34-9		4	0	(1)
Sulfuric acid	007664-93-3	40%	1/1	1/1	1/1
Sulfuric acid	007664-93-3	60%	2/3	1/1	1/1
Sulfuric acid	007664-93-3	80%	3/4	1/1	1/1
Sulfuric acid	007664-93-3	95%	4/4	1/1	1/1
Sulfuric acid	007664-93-3	fuming	4/4	0/0	1/0
Sulfuric acid	007664-93-3	1-6 %	1/1	1/1	1/1
Sulfuric acid	007664-93-3	20%	1/2	1/1	1/1
Sulfuric acid see: Battery acid					
Sulfurous acid	007782-99-2	saturated	1/1	0/0	1/1
Sulfurous acid, disodium see: Sodium sulfite					
Sulfuryl chloride	007791-25-5	techn. pure	4/4	0/0	1/0

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<b>Specification:</b>	<b>Chemical Resistances</b>	
<b>Products/Outer Sheath</b>	ELSR-N/-M/-L/-W/-N/-H/-R – BO/BOT	
<b>Key</b>	0 = no data available, 1 = resistant, 2 = practically resistant, 3 = partially resistant, 4 = not resistant at +20°C / at +50°C	

Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Tallow	-	techn. Pure	1/1	0/0	1/1
Tannic acid	001401-55-4	10%	1/1	0/0	1/1
Tannic acid	001401-55-4		1/1	0/0	1/1
Tanning extracts	-		1/3	0/0	1/1
Tanning extracts, vegetable	-	techn. usually	1/1	0/0	1/1
Tar	-		(2)	0/0	(1)
Tartaric acid	000087-69-4	aqueous	1/1	0/0	1/1
Tartaric acid	000087-69-4		1/1	1/1	1/1
Tetrabromoethane (TBE)	-	100%	3/4	0/0	(1)
Tetrachlorethane	-	techn. pure	3/4	0/0	1/1
Tetrachlorodifluoroethane	000076-12-0		(3)	0/0	(1)
Tetrachloroethylene	000127-18-4		4/4	1/1	1/1
Tetrahydrofuran (THF)	000109-99-9		3/4	2/3	1/0
Tetrahydrofurfuryl alcohol	000097-99-4		(2)	0/0	(1)
Tetrahydronaphthalene	000119-64-2	techn. pure	4/4	0/0	1/0
Thiocyanic acid, ammonium see: Ammonium thiocyanate					
Thioglycolic acid	000068-11-1		1/1	0/0	1/1
Thionyl chloride	007719-09-7	techn. pure	4/4	1/1	1/0
Thiophene	000110-02-1		3/4	0/0	(1)
Thymol	000089-83-8		(3)	0/0	(1)
Titanium (tetra)chloride	007550-45-0		(3)	0/0	(1)
Toluene	092045-38-0	100%	1/3	0/0	(1)
Train oil	-		(2)	0/0	(1)
Transformer oil	-		1/3	0/0	1/1
Triacetin	000102-76-1		(2)	0/0	(1)
Tribromomethane	000075-25-2		4/4	2/3	(1)
Tributyl citrate (TBC)	000077-94-1		2/3	1/2	(1)
Tributyl phosphate (TBP)	000126-73-8	techn. pure	1/3	0/0	1/1
Trichloroacetaldehyde	000075-87-6	100%	1/1	0/0	0/0
Trichloroacetic acid (TCA)	000076-03-9		1/1	0/0	1/1
Trichlorobenzene	-	100%	4/4	0/0	(2)
Trichloroethane	-		4/4	1/2	(1)
Trichloroethylene (TRI)	000079-01-6	100%	4/4	1/2	1/0

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	at +20°C / at +50°C	

Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Trichlorofluoromethane	000075-69-4		(3)	0/0	(1)
Trichlorophenol	-		(3)	0/0	(1)
Trichlorotrifluoroethane	000076-13-1		(3)	0/0	(1)
Trichlorotrifluoroethane	-	100%	4/4	0/0	(1)
Tricresyl phosphate (TCF)	-	techn. Pure	1/3	0/0	1/1
Triethanolamine (TEA)	000102-71-6	techn. pure	1/1	0/0	1/0
Triethylamine (TEA)	000121-44-8	techn. pure	4/4	0/0	(1)
Triethylene glycol	000112-27-6		1/1	1/1	(1)
Triethylene glycol diacetate	000111-21-7		(2)	0/0	(1)
Trihydroxypropane, 1,2,3- see: Glycerol					
Triiodomethane see: Iodoform					
Triisopropylbenzene	000717-74-8		(3)	0/0	(1)
Trimethylbenzene, 1,2,4-	000095-63-6		3/3	0/0	(1)
Trimethylolpropane	000077-99-6	aqueous	1/1	0/0	1/1
Trimethylpentane, 2,2,4-	000540-84-1	techn. pure	1/3	0/0	1/1
Trioctyl phosphate	000078-42-2	techn. pure	1/3	0/0	1/1
Tripropylene glycol (TPG)	024800-44-0		1/1	1/1	1/1
Trisodium phosphate	007601-54-9		1/1	1/1	1/1
Turbine oil (based on mineral oil)	-		1/3	0/0	1/1
Turpentine surrogate	-		(3)	0/0	1/1
Two-stroke oil	-	100%	1/3	0/0	1/1
Undecanol	000112-42-5		1/2	1/2	1/1
Urea	000057-13-6	aqueous	1/1	1/1	1/1
Urea	000057-13-6		1/1	1/1	1/1
Uric acid	000069-93-2		1/0	1/1	1/1
Urine	-		1/1	1/1	1/1
Urotropin see: Hexamethylenetetramine					
Valerian drops	-		(2)	0/0	1/1
Vaseline	008009-03-8	techn. pure	1/3	0/0	1/1
Vaseline oil	008012-95-1	100%	1/3	0/0	(1)
Vaseline oil	008012-95-1		1/3	0/0	1/1
Vegetable oils	-		1/3	0/0	1/1

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Chemical	Cas-Nr.	Concentration	ELSR-N-AO/BO ELSR-M-AO/BO ELSR-L-AO/BO ELSR-W-AO/BO	ELSR-N-BOT	ELSR-H-BOT ELSR-SH-BOT ELSR-R-BOT
Vinegar	000064-19-7		1/1	1/1	1/1
Vinyl acetate	000108-05-4	techn. pure	0/0	0/0	1/1
Vinyl carbinol see: Allyl alcohol					
Vinyl chloride (VCM)	000075-01-4	techn. pure	(3)	0/0	(1)
Vinyl cyanide see: Acrylonitrile					
Vinylidene chloride	000075-35-4		4/4	2/3	(1)
Vitamin C	000050-81-7	liquid	1/1	1/1	1/1
Walnut oil	008024-09-7		3/3	0/0	1/1
Washingup liquid	-	aqueous	1/1	0/0	1/1
Water H2O	007732-18-5		1/1	1/1	1/1
Water, distilled	007732-18-5		1/1	1/1	1/1
Wax alcohol	-	techn. Pure	3/4	0/0	1/1
Waxes	-		1/3	0/0	1/1
Wetting agent	-	5%	1/1	0/0	1/1
Whey	-		1/1	1/1	1/1
Whiskey	-		1/1	0/0	1/1
White Spirit	008042-47-5		1/3	0/0	1/1
Wines	-		1/1	0/0	1/1
Wort for fermentation	-		1/1	1/1	1/1
Xenon	007440-63-3		(2)	0/0	1/1
Xylene	001330-20-7		4/4	1/2	1/0
Yeast	-	all	1/1	1/1	1/1
Zinc acetate	000557-34-6	aqueous	1/1	0/0	1/1
Zinc bromide	007699-45-8		1/1	0/0	1/1
Zinc carbonate	003486-35-9	saturated	1/1	1/1	1/1
Zinc chloride	007646-85-7	aqueous	1/1	0/0	1/1
Zinc nitrate	007779-88-6		1/1	0/0	1/1
Zinc oxide	001314-13-2	solid	1/1	1/1	1/1
Zinc oxide ointment	-		(2)	0/0	1/1
Zinc phosphate	007779-90-0	saturated	1/1	1/1	1/1
Zinc sludge	-		1/1	0/0	(1)
Zinc stearate	000557-05-1		1/1	1/1	1/1
Zinc sulfate	007733-02-0	10%	1/1	1/1	1/1
Zinkchlorid	007646-85-7	10%	1/1	1/1	1/1