

The following data has been compiled from generally available sources. Results are obtained by immerse tests without mechanical load. The basis for the ratings in this guide includes actual service experience and the advice of various polymer suppliers. In case of doubt, a sample of the compound should always be tested with the particular chemical. The given results are based on a temperature range of 20°C / 68°F and for concentrated or saturated substance.

LMC-Couplings rejects every kind of responsibility related to this chemical resistance table.

Declaration of used abbreviations

**A Excellent resistant**

The chosen material is not or hardly affected by the medium

**B Good resistant**

The chosen material gives a satisfactory result. On the long term a small impact on the material have to be taken in mind.

**C Limited resistant**

In case of constant use the impact on the material can be small till extremely. In case of temporary use, it is to be recommended that material and medium are tested first.

**D Not suitable**

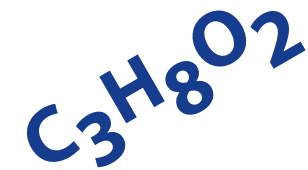
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**- Not known**

No results available. It is recommended that resistance will be checked together with the working environment.

**ASTM COMPOSITION**

<b>NR</b>	Natural rubber
<b>SBR</b>	Styrene butadiene rubber
<b>IIR</b>	Isobutylene isoprene rubber
<b>EPDM</b>	Ethylene propylene diene terpolymer
<b>EPM</b>	Ethylene propylene monomer
<b>NBR</b>	Nitrile butadiene rubber
<b>CR</b>	Chloroprene rubber
<b>CSM</b>	Chloro-sulfonated polyethylene
<b>FPM</b>	Fluorocarbon
<b>PE-X</b>	Cross linked polyethylene
<b>UHMW</b>	Ultra high molecular weight polyethylene
<b>VMQ</b>	Silicone
<b>FMQ</b>	Fluorosilicone
<b>AU</b>	Polyurethane
<b>PVDF</b>	Polyvinylidene fluoride
<b>PTFE</b>	Tetrafluoroethylene
<b>PFA</b>	Perfluoroalkoxy
<b>MFA</b>	Perfluormethylether



<b>A</b>	<b>Chemical product</b>	<b>CAS number</b>	<b>EC number</b>	<b>Molecular formula</b>	<b>NR</b>	<b>SBR</b>	<b>IIR</b>	<b>EPDM</b>	<b>EPM</b>	<b>NBR</b>	<b>CR</b>	<b>CSM</b>	<b>FPM</b>	<b>PE-X</b>	<b>UHMW</b>	<b>VMQ</b>	<b>FMQ</b>	<b>AU</b>	<b>PVDF</b>	<b>PTFE</b>	<b>PFA</b>	<b>MFA</b>	<b>Aluminium</b>	<b>Bronze</b>	<b>Brass</b>	<b>Carbon steel</b>	<b>Stainless steel AISI 316</b>	
	Acetaldehyde	75-07-0	200-836-8	C <sub>2</sub> H <sub>4</sub> O	C	D	A	A	A	D	C	C	D	A	A	A	D	D	D	A	A	A	B	C	C	A	A	
	Acetamide	60-35-5	-	CH <sub>3</sub> CONH <sub>2</sub>	C	C	A	A	A	C	B	B	B	A	A	B	A	D	B	A	A	A	B	C	C	A	A	
	Acetic acid 10% 65°C / 149 °F	-	-	-	B	B	A	A	A	C	B	B	C	B	A	A	B	C	A	A	A	A	C	C	C	C	A	
	Acetic acid 30%	-	-	-	B	B	A	A	A	D	B	B	C	A	A	A	B	C	A	A	A	A	C	C	C	C	A	
	Acetic acid 50%	-	-	-	C	C	A	A	A	D	D	C	D	A	A	A	B	D	A	A	A	A	C	C	C	C	A	
	Acetic acid, Glacial	-	-	-	D	D	B	B	A	D	D	D	D	A	A	B	D	D	A	A	A	A	C	C	C	C	A	
	Acetic anhydride	108-24-7	-	(CH <sub>3</sub> CO) <sub>2</sub> O	C	B	B	B	B	D	C	B	D	A	A	C	D	D	D	A	A	A	B	C	C	C	B	
	Acetone / propanone	67-64-1	200-662-2	(CH <sub>3</sub> ) <sub>2</sub> CO	B	B	A	A	A	D	C	A	D	A	A	B	D	C	C	A	A	A	A	A	A	A	A	
	Acetone cyanohydrin	-	-	-	B	C	A	A	A	D	C	A	D	A	A	D	D	C	C	A	A	A	B	B	B	B	A	
	Acetonitrile	75-05-8	200-835-2	C <sub>2</sub> H <sub>3</sub> N	D	D	D	D	D	B	B	B	D	B	A	D	D	D	A	A	A	A	B	B	B	B	A	
	Acetophenone	98-86-2	202-708-7	C <sub>8</sub> H <sub>8</sub> O	C	D	A	A	A	D	C	B	D	A	A	D	D	D	C	A	A	A	A	C	C	C	C	
	Acetyl acetone / 2,4-pentanedione	123-54-6	204-634-0	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	C	D	B	B	B	D	C	C	D	A	A	D	D	D	C	A	A	A	A	A	A	A	A	
	Acetyl chloride	75-36-5	-	CH <sub>3</sub> COCl	D	D	D	D	D	D	D	D	B	B	B	C	A	D	B	A	A	A	A	C	C	C	C	
	Acetylene	74-86-2	-	C <sub>2</sub> H <sub>2</sub>	B	B	A	B	C	A	A	B	A	A	A	C	A	B	A	A	A	A	A	D	D	A	A	
	Acetylene dichloride	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	C	B	A	A	A	A	C	C	C	C	C	
	Acetylene tetra chloride	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	D	B	A	A	A	A	C	C	C	C	C	
	Acrylonitrile	107-13-1	203-466-5	CH <sub>2</sub> =CH-CN	D	D	D	D	D	C	C	D	A	A	A	D	D	D	C	A	A	A	A	A	A	A	A	
	Adipic acid	124-04-9	204-673-3	HOCO(CH <sub>2</sub> ) <sub>4</sub> COOH	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	B	B	A	
	Air	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Alcohol, aliphatic	-	-	-	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
	Alcohol, aromatic	-	-	-	C	D	B	C	B	C	D	B	A	A	A	D	B	D	A	A	A	A	A	B	B	B	A	
	Allyl alcohol	107-18-6	-	CH <sub>2</sub> =CHCH <sub>2</sub> OH	B	B	A	B	A	A	B	B	A	A	A	C	D	B	A	A	A	A	B	A	A	A	A	
	Allyl bromide / 3-bromopropene	106-95-6	-	H <sub>2</sub> CCHCH <sub>2</sub> Br	D	D	D	D	D	B	B	B	B	B	B	D	D	D	C	A	A	A	C	C	C	C	C	
	Allyl chloride	107-05-1	203-457-6	C <sub>3</sub> H <sub>5</sub> Cl	D	D	D	D	D	B	B	B	B	B	B	D	D	D	C	A	A	A	C	C	C	C	C	
	Aluminium potassium sulfate	7784-24-9	-	AlK(SO <sub>4</sub> ) <sub>2</sub> 12H <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	D	B	A	A	A	A	A	B	B	C	A	
	Aluminium acetate	142-03-0	-	Al(OH)(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	D	D	B	A	A	A	A	C	C	C	C	A	
	Aluminium chloride	-	-	-	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	C	C	C	C	C	
	Aluminium fluoride	-	-	-	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	C	C	C	C	C	
	Aluminium hydroxide	-	-	-	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	C	C	C	C	A	
	Aluminium nitrate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	B	D	A	A	A	A	A	C	C	C	C	A	
	Aluminium phosphate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	C	C	C	C	A	
	Aluminium sulfate	17927-65-0	233-135-0	Al <sub>2</sub> O <sub>3</sub> ·3xH <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	A
	Amino ethanol	-	-	-	B	B	A	B	A	B	C	B	D	A	A	B	D	B	C	B	B	B	-	-	-	B	A	
	Ammonia gas (cold)	-	-	-	A	A	A	A	A	A	A	A	D	A	A	A	A	A	C	A	A	A	B	B	B	A	A	
	Ammonia gas 65°C / 149 °F	-	-	-	B	C	B	B	A	C	C	B	D	B	A	A	B	D	C	A	A	A	B	B	B	A	A	
	Ammonia in water	-	-	-	D	C	A	A	B	B	B	C	A	A	A	A	B	A	A	A	A	A	B	C	C	C	A	
	Ammonia, liquid	-	-	-	D	D	A	B	C	D	A	D	A	A	A	C	D	C	C	A	A	A	A	C	C	C	A	
	Ammonium carbonate	506-87-6	-	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	A	A	A	A	A	B	A	A	C	A	A	D	D	A	A	A	A	A	A	B	C	C	A	
	Ammonium chloride	12125-02-9	235-186-4	NH <sub>4</sub> Cl	A	A	A	A	A	A	A	A	A	A	A	D	D	B	A	A	A	A	A	C	C	C	C	
	Ammonium hydroxide sulphate	-	-	-	B	B	A	B	A	B	B	B	A	A	A	A	B	B	A	A	A	A	A	C	C	C	B	

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI316
Ammonium metaphosphate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	B	C	C	C	A
Ammonium nitrate	6484-52-2	229-347-8	NH <sub>4</sub> NO <sub>3</sub>	A	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	-	C	-	-	-
Ammonium persulfate	7727-54-0	231-786-5	H <sub>8</sub> N <sub>2</sub> O8S <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	D	D	B	C	A	A	A	C	C	C	C	A
Ammonium phosphate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	D	B	A	A	A	A	B	C	-	-	-
Ammonium sulfide	12135-76-1	-	(NH <sub>4</sub> ) <sub>2</sub> S	B	A	A	A	A	B	A	A	C	A	A	D	D	B	B	A	A	A	C	C	B	C	B
Ammonium sulfite	10196-04-0	-	H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> S	B	A	A	A	A	B	A	A	A	A	A	D	D	B	B	A	A	A	C	C	B	C	B
Ammonium thiocyanate	1762-95-4	217-175-6	CH <sub>4</sub> N <sub>2</sub> S	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	C	C	C	A
Ammonium thiosulfate	7783-18-8	-	(H <sub>3</sub> N) <sub>2</sub> H <sub>2</sub> O <sub>3</sub> S <sub>2</sub>	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	B
Amyl acetate	-	-	CH <sub>3</sub> COOC <sub>5</sub> H <sub>11</sub>	D	A	B	A	A	D	C	C	D	A	A	D	D	C	C	A	A	A	A	A	B	B	A
Amyl acetone	-	-	-	B	A	A	A	A	D	C	A	D	A	A	B	D	C	C	A	A	A	A	A	A	A	A
Amyl alcohol	-	-	C <sub>5</sub> H <sub>11</sub> OH	B	A	A	A	A	B	A	A	B	A	A	D	A	C	A	A	A	A	-	A	A	B	A
Amyl borate	-	-	-	D	D	D	D	D	A	D	A	D	A	A	D	D	D	D	A	A	A	-	-	-	-	-
Amyl chloride	-	-	-	D	D	D	D	D	D	D	A	D	A	A	D	B	D	A	A	A	A	C	C	C	C	C
Amyl chloranaphthalene	-	-	-	D	D	D	D	D	D	D	A	A	A	A	A	D	B	D	B	A	A	A	C	C	C	C
Amyl oleate	-	-	-	D	B	C	C	C	B	D	A	A	A	A	B	D	A	A	A	A	A	A	A	A	A	A
Amyl phenol	-	-	-	D	D	D	C	C	C	D	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A
Amyl phthalate	-	-	-	D	A	C	B	D	D	C	A	A	A	A	B	C	D	B	A	A	A	-	A	A	A	A
Amylamine	-	-	-	C	C	A	B	A	C	C	C	D	A	A	B	D	A	A	A	A	A	-	C	C	C	A
Aniline	62-53-3	200-539-3	C <sub>6</sub> H <sub>7</sub> N	D	A	A	A	A	D	D	B	A	A	A	D	C	C	B	A	A	A	A	C	C	C	A
Aniline hydrochloride	142-04-1	-	C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> · HCl	B	C	A	A	A	B	B	A	A	A	A	D	B	B	B	A	A	A	-	C	C	C	C
Animal fats	-	-	-	D	D	B	C	B	A	B	B	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A
Antimony chloride	10025-91-9	-	SbCl <sub>3</sub>	B	B	A	B	A	B	B	B	A	A	A	A	A	A	A	A	A	A	C	C	C	C	C
Antimony pentachloride	7647-18-9	-	SbCl <sub>5</sub>	D	D	D	D	D	D	D	D	D	B	B	A	A	A	A	A	A	A	C	C	C	C	C
Aqua regia	8007-56-5	-	HCl + HNO <sub>3</sub>	D	D	C	C	C	D	C	B	D	D	D	D	C	D	B	A	A	A	C	C	C	C	C
Aromatic hydrocarbons	-	-	-	D	D	D	D	D	B	C	C	A	A	A	D	B	C	A	A	A	A	A	A	A	A	A
Arsenic acid	7778-39-4	-	H <sub>3</sub> AsO <sub>4</sub>	B	B	A	A	A	B	B	A	A	A	A	A	A	D	A	A	A	A	C	C	C	C	B
Arsenic trichloride / arsenic chloride	7784-34-1	-	AsCl <sub>3</sub>	D	D	D	C	B	C	D	D	D	D	D	D	D	D	A	A	A	A	C	C	C	C	C
Asphalt	-	-	-	D	D	D	D	D	B	D	D	A	B	B	D	D	D	A	A	A	A	C	A	A	A	A
Astm 1 oil	-	-	-	D	D	D	D	D	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Astm 2 oil	-	-	-	D	D	D	D	D	A	C	B	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A
Astm 3 oil	-	-	-	D	D	D	D	D	B	D	C	A	B	A	C	A	B	A	A	A	A	A	A	A	A	A
Aviation gasoline	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Barium carbonate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	A	A	
Barium chloride	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	C	C	C	C	
Barium hydroxide	17194-00-2	056-002-00-7	Ba(OH) <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	A	A	-	C	C	C	
Barium sulfate	7727-43-7	-	BaSO <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	-	B	A	A	
Barium sulfide	21109-95-5	-	BaS	B	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	-	C	C	C	
Beer	-	-	-	C	C	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	
Beet sugar liquors	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	A	
Benzaldehyde / benzoic aldehyde	100-52-7	-	C <sub>6</sub> H <sub>5</sub> CHO	D	D	B	B	B	D	D	D	D	A	A	D	D	D	D	C	A	A	-	A	A	A	
Benzene	71-43-2	200-753-7	C <sub>6</sub> H <sub>6</sub>	D	D	D	D	D	D	D	D	A	A	A	D	A	D	A	A	A	A	-	A	A	A	
Benzenesulfonic acid	98-11-3	-	C <sub>6</sub> H <sub>6</sub> SO <sub>3</sub>	D	D	D	D	D	D	D	D	B	B	B	D	C	D	C	B	A	A	-	B	C	B	
Benzene solvent / ligroine / petroleum ether	8032-32-4	232-453-7	-	D	D	D	D	D	A	C	D	A	A	A	D	A	B	A	A	A	A	A	A	A	A	
Benzoic acid	65-85-0	200-618-2	C <sub>6</sub> H <sub>5</sub> COOH	A	A	A	A	A	A	B	A	A	B	A	B	D	A	A	A	A	A	-	C	C	-	
Benzoic aldehyde / benzaldehyde	100-52-7	-	C <sub>6</sub> H <sub>5</sub> CHO	D	D	B	B	B	D	D	D	D	A	A	D	D	D	C	A	A	A	-	A	A	A	
Benzyl acetate	-	-	-	D	D	A	B	A	D	B	D	A	A	A	D	D	D	C	A	A	A	-	-	-	-	
Benzyl alcohol	100-51-6	202-859-9	C <sub>7</sub> H <sub>8</sub> O	B	B	B	B	B	D	C	C	A	A	A	D	B	D	A	A	A	A	-	A	A	B	
Bleach liquor	-	-	-	D	D	A	A	A	D	C	A	B	A	B	A	C	A	A	A	A	A	C	C	C	C	
Borax / borax decahydrate	1303-96-4	-	B <sub>4</sub> Na <sub>2</sub> O <sub>7</sub> · 10H <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	
Bordeaux mixture	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	A	A	C	C	C	C	
Boric acid	10043-35-3	233-139-2	H <sub>3</sub> BO <sub>3</sub>	A	A	A	A	A	A	A	A	A	B	A	A	A	D	A	A	A	A	B	B	B	B	
Brandy	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	
Brine 65°C / 149 °F	-	-	-	A	A	A	A	A	C	A	A	A	B	A	D	D	A	A	A	A	A	-	A	A	A	
Bromine	7726-95-6	231-778-1	Br <sub>2</sub>	D	D	D	D	D	D	D	D	A	D	D	D	B	D	A	A	A	A	C	C	C	C	
Bromine water	-	-	Br <sub>2</sub> dissolved in H <sub>2</sub> O	D	D	C	C	C	D	D	B	A	B	A	D	B	D	A	A	A	A	A	C	C	C	C
Bromo chloro methane	-	-	-	D	D	D	D	D	D	D	D	A	B	B	D	B	D	A	A	A	A	C	C	C	C	
Bromobenzene	108-86-1	-	C <sub>6</sub> H <sub>5</sub> Br	D	D	D	D	D	D	D	D	B	C	C	D	D	A	A	A	A	A	C	A	A	A	
Butadiene	-	-	-	D	D	D	D	D	D	D	D	B	A	A	D	B	D	A	A	A	A	A	A	A	A	
Butane	106-97-8	-	C <sub>4</sub> H <sub>10</sub>	D	D	D	D	D	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	
Butanol / 1-butanol / butyl alcohol	71-36-3	200-751-6	C <sub>4</sub> H <sub>10</sub> O	A	A	A	A	A	A	A	A	A	A	A	B	A	C	A	A	A	A	-	B	B	-	
Butter	-	-	-	C	C	B	B	B	A	B	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	
Butyl acetate	123-86-4	-	CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	D	D	B	B	B	D	C	C	D	A	A	D	D	D	C	A	A	A	-	B	B	B	
Butyl acrylate / 2-propenoic acid butyl ester	141-32-2	-	C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	D	D	D	D	D	D	D	D	D	B	B	D	D	D	A	A	A	A	-	-	-	-	
Butyl aldehyde / butyraldehyde	123-72-8	204-646-6	C <sub>4</sub> H <sub>8</sub> O	D	C	B	C	B	D	C	C	D	A	A	D	D	D	B	A	A	A	B	C	C	A	
Butyl benzene	104-51-8	203-209-7	C <sub>10</sub> H <sub>14</sub>	D	D	D	D	D	D	D	D	A	A	A	D	A	D	A	A	A	A	A	A	A	A	
Butyl benzyl phthalate	-	-	-	D	D	A	B	A	D	D	D	C	A	A	D	D	D	B	A	A	A	-	A	A	A	
Butyl bromide	109-65-9	-	-	D	D	D	D	D	D	D	D	B	B	B	D	D	D	A	A	A	A	C	B	B	B	
Butyl butyrate	109-21-7	-	-	D	D	B	B	B	C	D	D	C	B	B	D	D	D	A	A	A	A	A	B	B	B	
Butyl carbitol	112-34-5	-	-	D	D	A	A	A	C	C	B	C	A	A	D	D	D	B	A	A	A	-	A	A	A	

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
					NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel
Butyl chloride / 1-chlorobutane	109-69-3	203-696-6	C <sub>4</sub> H <sub>9</sub> Cl	D	C	C	C	C	D	D	C	A	A	A	D	B	D	A	A	A	A	C	C	C	C	
Butyl ether / dibutyl ether	142-96-1	-	C <sub>8</sub> H <sub>18</sub> O	D	D	D	D	D	B	C	B	C	A	A	D	C	D	B	A	A	A	B	A	A	A	
Butyl ethyl acetaldehyde	-	-	-	D	B	B	A	D	C	C	D	C	A	A	D	D	D	C	A	A	A	B	C	C	A	
Butyl ethyl ether	628-81-9	-	C <sub>6</sub> H <sub>14</sub> O	D	D	D	D	D	B	C	B	C	A	A	D	C	D	A	A	A	A	B	A	A	A	
Butyl glycol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	A	A	
Butyl oleate	142-77-8	-	C <sub>22</sub> H <sub>42</sub> O <sub>2</sub>	D	B	B	B	B	B	C	B	A	A	A	D	B	C	A	A	A	A	A	A	A	A	
Butyl phthalate	-	-	-	D	A	A	A	D	D	C	C	C	A	A	D	D	D	B	A	A	A	B	A	A	A	
Butyl stearate	123-95-5	-	-	D	C	B	B	B	D	D	D	A	A	A	D	B	C	A	A	A	A	A	A	A	A	
Butylamine	109-73-9	203-99-2	C <sub>4</sub> H <sub>11</sub> N	C	C	A	B	A	D	D	C	B	A	A	C	D	D	B	A	A	A	C	C	C	C	
Butyraldehyde	123-72-8	204-646-6	C <sub>4</sub> H <sub>8</sub> O	C	C	A	B	A	D	C	C	C	A	A	D	D	D	C	A	A	A	B	C	C	A	
Butyric acid	107-92-6	-	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	C	C	B	B	B	B	B	B	A	A	A	D	D	A	A	A	A	A	B	A	A	A	
Butyric anhydride	106-31-0	-	-	C	D	B	C	B	D	B	B	C	A	A	C	D	D	C	B	A	A	B	C	C	B	

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Cadmium acetate / cadmium acetate dihydrate	5743-04-4	-	(CH <sub>3</sub> COO) <sub>2</sub> Cd·2H <sub>2</sub> O	A	A	A	A	A	B	A	A	B	A	A	A	A	A	A	A	A	A	B	B	B	A	
Calcium acetate / calcium acetate hydrate	62-54-4	200-540-9	Ca C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	A	A	A	A	A	B	A	A	B	A	A	A	A	A	A	A	A	A	B	B	B	A	
Calcium bichromate dry	-	-	-	B	A	A	A	A	B	B	A	B	A	A	A	A	B	A	A	A	A	B	B	B	B	
Calcium bisulfate dry	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	A	
Calcium bisulfite dry	-	-	-	B	A	A	A	A	B	A	A	B	A	A	A	A	A	A	A	A	A	D	C	C	A	
Calcium carbonate dry	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	A	
Calcium chloride dry	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	B	B	A	
Calcium hydroxide	1305-62-0	215-137-3	Ca(OH) <sub>2</sub>	A	B	A	B	A	A	B	A	A	A	A	A	A	C	A	A	A	A	C	C	C	A	
Calcium hypochlorite	7778-54-3	-	Ca Cl <sub>2</sub> O <sub>2</sub>	D	D	A	A	A	C	D	A	A	A	A	A	D	A	D	A	A	A	C	C	C	A	
Calcium nitrate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	B	A	
Calcium sulfate / calcium sulfate dihydrate	10101-41-4	-	CaSO <sub>4</sub> 2H <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	B	
Calcium sulfide	-	-	-	B	B	A	A	A	B	A	A	A	A	A	B	A	B	A	A	A	A	C	C	B	C	
Calcium sulfite	-	-	-	B	B	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	C	C	B	C	
Cane sugar liquors	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	A	A	
Caprylic acid	124-07-2	-	CH <sub>3</sub> -(CH <sub>2</sub> ) <sub>6</sub> -COO(-)	D	D	A	C	B	A	C	B	B	A	A	B	B	D	A	A	A	A	-	-	-	B	
Carbitol	112-34-5	-	-	D	D	A	B	A	D	D	B	A	A	A	B	D	A	A	A	A	A	-	B	B	B	
Carbitol acetate	112-15-2	-	-	D	D	B	B	B	D	D	D	D	A	A	D	D	C	A	A	A	A	-	B	B	A	
Carbolic acid / phenol	108-95-2	203-632-7	C <sub>6</sub> H <sub>5</sub> OH	D	D	B	B	A	D	D	C	A	A	A	A	D	A	D	A	A	A	-	A	A	C	
Carbon dioxide / dry ice	124-38-9	-	CO <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	A	A	
Carbon disulfide	75-15-0	200-843-6	CS <sub>2</sub>	D	D	D	D	C	C	D	B	A	A	A	D	A	D	B	A	A	A	-	B	B	A	
Carbon tetrachloride	56-23-5	200-262-8	CCl <sub>4</sub>	D	D	D	D	D	D	D	D	A	B	B	D	A	B	A	A	A	A	D	A	A	A	
Carbon tetrafluoride	75-73-0	200-896-5	CF <sub>4</sub>	D	D	D	D	D	D	D	D	D	A	A	D	D	C	A	A	A	A	D	A	A	A	
Castor oil / ricinus oil	8001-79-4	-	-	C	C	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Caustic potash 65°C / 149°F	-	-	-	A	B	A	A	A	B	A	A	C	B	A	C	C	D	A	A	A	A	C	C	C	B	
Chloracetone	-	-	-	D	D	B	B	B	D	C	C	D	A	A	D	D	C	A	A	A	A	C	C	C	C	
Chlorinated hydrocarbons	-	-	-	D	D	D	D	D	D	D	D	D	A	A	D	D	C	A	A	A	A	C	C	C	C	
Chlorine gas dry	-	-	-	D	D	D	D	C	D	C	D	A	A	A	D	A	D	A	A	A	A	C	C	C	C	
Chlorine water solutions	-	-	-	C	C	C	C	C	C	B	C	A	A	A	C	A	C	A	A	A	A	D	C	C	C	
Chloroacetic acid / monochloroacetic acid	79-11-8	-	ClCH <sub>2</sub> COOH	D	D	A	B	A	D	C	B	B	A	A	D	D	B	A	A	A	A	C	C	C	C	
Chlorobenzene	108-90-7	203-628-5	C <sub>6</sub> H <sub>5</sub> Cl	D	D	D	D	D	D	D	D	A	B	A	D	B	D	B	A	A	A	C	C	C	C	
Chlorobutadiene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	C	C	C	C	
Chlorobutane	-	-	-	D	D	C	C	B	D	D	A	A	A	A	D	B	D	A	A	A	A	C	C	C	C	
Chloroform	67-66-3	200-663-8	CHCl <sub>3</sub>	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	C	C	C	C	
Chloropentane	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	C	C	C	C	
Chlorophenol	-	-	-	D	D	D	D	D	D	D	D	B	A	A	D	B	D	A	A	A	A	C	C	C	C	
Chlorosulfonic acid	7790-94-5	-	HSO <sub>3</sub> Cl	D	D	D	D	D	D	D	D	D	D	C	D	D	C	B	A	A	A	C	C	C	C	
Chlorotoluene	-	-	-	D	D	B	C	A	D	D	D	A	B	D	B	D	C	B	A	A	A	C	C	C	C	



Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminum	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Chrome plating solution	-	-	-	D	D	B	C	A	D	D	A	A	B	D	B	B	D	C	A	A	A	A	-	-	C	
Chromic acid 40°C / 104°F	-	-	-	D	D	C	C	B	D	D	C	B	C	C	C	C	D	B	A	A	A	C	C	C	B	
Citric acid / monohydrate	5949-29-1		C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Coal tar	-	-	-	D	D	D	D	A	D	B	A	D	D	D	D	A	A	A	A	A	A	A	A	A	A	
Coal tar naphta	-	-	-	D	D	D	D	A	D	D	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	
Cobalt chloride	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Coconut oil	-	-	-	D	D	B	C	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Cod liver oil	-	-	-	D	D	A	B	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Coke oven gas	-	-	-	D	D	B	B	B	A	B	A	C	A	A	B	B	C	A	A	A	A	B	B	B	A	
Copper arsenate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Copper (I) cyanide	544-92-3	-	CuCN	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Copper (II) nitrate	3251-23-8	-	CuNO <sub>3</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Copper nitrite	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Copper sulfide	-	-	-	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	C	
Copper carbonate	1184-64-1	-	mixture of CuCO <sub>3</sub> and Cu(OH) <sub>2</sub>	C	A	A	A	A	B	C	B	A	A	A	C	B	A	A	A	A	A	-	-	-	A	
Copper chloride	7447-39-4	231-210-2	CuCl <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Copper sulfate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	-	-	B	
Corn oil	-	-	-	D	D	B	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	
Cottonseed oil	8001-29-4	-	-	D	D	B	C	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	
Creosote	8001-58-9	-	-	D	D	D	D	D	A	D	C	A	A	A	D	C	D	A	A	A	A	A	B	B	A	
Cresol	1319-77-3	-	C <sub>7</sub> H <sub>8</sub> O	D	D	D	D	D	D	D	B	A	A	A	D	B	D	A	A	A	A	A	-	-	B	
Cresylic acid	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	-	A	B	A	
Crotonaldehyde	4170-30-3	-	C <sub>4</sub> H <sub>6</sub> O	D	D	B	B	A	D	D	C	C	A	A	D	D	D	B	A	A	A	B	C	C	A	
Cumene / isopropyl benzene	98-82-8	-	C <sub>6</sub> H <sub>5</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	D	D	D	D	D	D	D	D	A	A	A	D	B	D	B	A	A	A	-	-	-	B	
Cyclohexane	110-82-7	203-806-2	C <sub>6</sub> H <sub>12</sub>	D	D	D	D	D	D	C	C	A	A	A	D	A	B	A	A	A	A	A	A	A	A	
Cyclohexanol	108-93-0	203-630-6	C <sub>6</sub> H <sub>12</sub> O	D	D	D	D	D	D	C	C	A	A	A	D	A	B	A	A	A	A	A	A	A	A	
Cyclohexanone	108-94-1	-	C <sub>6</sub> H <sub>10</sub> O	C	C	C	C	C	A	B	B	A	A	A	D	A	B	A	A	A	A	-	A	A	A	
Cyclopentane / pentamethylene	287-92-3	-	C <sub>5</sub> H <sub>10</sub>	D	D	D	D	D	A	C	C	A	A	A	D	A	B	A	A	A	A	-	A	A	A	
Cyclopentanone	96-41-3	-	C <sub>5</sub> H <sub>10</sub> O	C	C	C	C	C	A	B	B	A	A	A	D	A	B	A	A	A	A	-	A	A	A	
Cyclopentanone	120-92-3	-	C <sub>5</sub> H <sub>8</sub> O	D	D	B	B	B	D	D	D	D	A	A	D	D	D	B	A	A	A	-	B	B	A	

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminum	Bronze	Brass	Carbon steel	Stainless steel AISI 316
DDT in Kerosene	-	-	-	D	D	D	D	D	B	D	C	A	A	A	D	B	B	A	A	A	A	C	A	A	A	
Decaline	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	A	A	A		A	A	A	B	B	A	
Decane	124-18-5	204-686-4	C <sub>10</sub> H <sub>22</sub>	D	D	D	D	D	A	D	D	A	A	A	B	A	A	A	A	A	A	A	A	A	A	
Decanol / decyl alcohol	112-30-1	-	C <sub>10</sub> H <sub>22</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Detergent solution	-	-	-	B	A	A	A	A	A	D	A	D	A	A	A	A	A	A	A	A	A	A	-	A	A	
Diacetone alcohol	123-42-2	-	-	C	C	A	A	A	D	D	A	D	A	A	D	D	D	C	A	A	A	-	A	A	A	
Diamylamine	-	-	-	C	D	A	B	A	D	C	C	D	A	A	D	D	D	C	A	A	A	D	D	D	B	
Dibromo benzene	-	-	-	D	D	D	D	D	D	D	D	D	B	C	C	D	B	D	A	A	A	A	A	A	A	
Dibutyl sebacate	109-43-3	-	[(CH <sub>2</sub> ) <sub>4</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ] <sub>2</sub>	D	D	C	C	C	C	D	C	C	A	A	B	B	D	B	A	A	A	-	A	A	A	
Dibutylamine	111-92-2	-	-	D	D	D	D	D	D	A	D	A	A	A	C	D	D	C	A	A	A	D	C	C	A	
Dibutylether	142-96-1	-	C <sub>8</sub> H <sub>18</sub> O	D	D	D	D	D	C	D	D	C	A	A	D	C	D	B	A	A	A	A	C	A	-	
Dibutylphthalate	84-74-2	-	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	D	D	B	A	A	D	D	C	C	A	A	B	C	D	B	A	A	A	-	A	A	A	
Dichloro propane	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	A	A	A	
Dichloroacetic acid	79-43-6	-	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	D	D	A	B	A	D	D	C	D	A	A	A	B	D	A	A	A	A	A	C	C	C	
Dichlorobutane	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dichloroethane	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dichloroethyl ether	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dichloroethylene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dichlorohexane	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dichloroisopropyl ether	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dichloromethane	75-09-2	200-838-9	CH <sub>2</sub> Cl <sub>2</sub>	D	D	D	D	D	D	D	D	B	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dichloropentane	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	C	C	C	
Dicyclohexylamine	101-83-7	-	C <sub>12</sub> H <sub>23</sub> N	D	D	D	D	D	D	D	D	A	B	B	D	D	D	C	A	A	A	D	C	C	A	
Diesel oil +65°C / 149°F	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	A	A	A	A	A	A	A	A	A	A	
Diethanolamine	111-42-2	-	(HOCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NH	B	B	A	B	A	D	C	C	D	A	A	B	D	D	C	A	A	A	D	C	C	A	
Diethyle benzene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	C	D	A	A	A	A	A	A	A	A	
Diethyl oxalate	-	-	-	B	B	A	A	A	D	D	C	D	A	A	D	C	D	A	A	A	A	A	A	A	A	
Diethyl phthalate	84-66-2	201-550-6	C <sub>6</sub> H <sub>4</sub> -1,2-(COOC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	C	C	B	A	A	D	D	C	C	A	A	B	C	D	B	A	A	A	-	A	A	A	
Diethyl sebacate	-	-	-	D	D	A	A	A	C	D	D	C	A	A	B	B	D	B	A	A	A	-	A	A	A	
Diethyl sulfate	64-67-5	-	C <sub>4</sub> H <sub>10</sub> O <sub>4</sub> S	D	D	B	B	C	D	D	A	A	A	A	D	D	D	A	A	A	A	D	-	-	A	
Diethylamine	109-89-7	203-716-3	C <sub>4</sub> H <sub>11</sub> N	B	B	B	B	A	D	A	C	D	A	A	B	D	D	C	A	C	A	-	C	C	A	
Diethylenetriamine	-	-	-	B	B	A	B	A	D	A	C	D	A	A	B	D	D	C	A	C	A	-	C	C	A	
Dihydroxyethyl amine	-	-	-	B	B	A	A	A	D	A	C	D	A	A	B	D	D	C	A	C	A	-	C	C	A	
Dihydroxyethyl ether	-	-	-	A	A	A	A	A	D	A	A	A	A	A	D	B	D	A	A	A	A	-	C	C	A	
Diisobutyl ketone	108-83-8	-	C <sub>9</sub> H <sub>18</sub> O	D	D	B	B	A	D	D	D	D	A	A	D	D	D	B	A	A	A	A	A	A	A	
Diisobutylene	-	-	-	D	D	D	D	D	A	D	D	A	A	A	D	C	D	A	A	A	A	A	A	A	A	
Diisodecyl adipate	27178-16-1	-	-	D	D	B	B	B	D	D	D	C	A	A	C	C	D	B	A	A	A	-	A	A	A	



Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminum	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Diisodcyl phthalate	26761-40-0	-	$C_{28}H_{46}O_4$	D	D	B	B	B	D	D	D	B	A	A	D	B	D	B	A	A	A	-	A	A	A	A
Diisooctyl adipate	-	-	-	D	D	B	B	B	D	D	D	C	A	A	C	C	D	B	A	A	A	-	A	A	A	A
Diisooctyl phthalate	27554-26-3	-	$C_{6}H_4(COOC_8H_{17})_2$	D	D	B	B	B	D	D	D	C	A	A	C	B	D	B	A	A	A	-	A	A	C	A
Diisopropanolamine	110-97-4	-	$CH_3CH(OH)CH_2NH_2$	B	B	A	A	A	D	A	C	D	A	A	B	D	D	C	A	C	A	B	C	C	C	A
Diisopropyl benzene	25321-09-9	-	-	D	D	D	C	D	D	D	A	A	A	D	B	D	A	A	A	A	A	A	A	A	A	A
Diisopropyl ketone	565-80-0	-	-	D	D	A	A	A	D	D	D	D	A	A	D	D	D	B	A	A	A	A	A	A	A	A
Dimethyl acetamide	-	-	-	B	B	A	A	A	D	D	D	D	A	A	D	D	D	C	A	A	A	-	C	C	C	A
Dimethyl benzene	-	-	-	D	D	D	D	D	C	D	D	A	A	A	D	D	D	A	A	A	A	A	A	A	A	A
Dimethyl benzylamine	-	-	-	D	D	D	D	D	D	D	D	D	A	A	D	D	D	A	A	A	A	A	A	A	A	A
Dimethyl phenol	-	-	-	D	D	D	D	D	D	D	D	D	A	A	D	D	D	C	A	C	A	-	C	C	C	A
Dimethyl phthalate	131-11-3	-	$C_6H_4-1,2-(COOCH_3)_2$	D	D	A	A	A	D	D	D	B	A	A	D	B	D	B	A	A	A	-	A	A	A	A
Dimethyl sulfate	77-78-1	-	$C_2H_6SO_4$	D	D	B	B	B	D	D	D	A	A	A	D	D	D	A	A	A	A	D	-	-	-	A
Diemethyl sulfide	75-18-3	-	$C_2H_6S$	D	D	C	B	B	D	D	D	A	B	B	D	D	D	A	A	A	A	-	-	-	-	A
Dimethylamine	124-40-3	-	$C_2H_7N$	B	C	A	C	C	D	A	C	A	A	A	B	D	D	C	A	C	A	B	C	C	C	A
Dimethylaniline / n,n-dimethylaniline	121-69-7	-	$C_8H_{11}N$	D	D	C	B	B	D	D	D	D	A	A	D	D	D	C	A	C	A	C	C	C	C	A
Dimethylformamide	68-12-2	-	$C_3H_7NO / HCON(CH_3)_2$	D	D	C	C	C	C	D	C	D	A	A	B	D	D	B	A	A	A	A	A	B	B	A
Dinitrobenzene	-	-	-	D	D	C	C	B	D	D	D	A	A	A	D	D	D	B	A	A	A	-	B	B	A	A
Dinitrotoluene	-	-	-	D	D	D	D	D	D	D	D	C	A	A	D	D	D	B	A	A	A	-	B	B	A	A
Dioctyl adipate	103-23-1	-	-	D	D	B	B	B	D	D	D	C	A	A	C	D	D	A	A	A	A	-	A	A	A	A
Dioctyl phthalate	117-81-7	204-211-0	$C_{24}H_{38}O_4$	D	D	B	B	B	D	D	D	C	A	A	C	B	D	B	A	A	A	-	A	A	A	A
Dioctyl sebacate	122-62-3	204-558-8	$C_{26}H_{50}O_4$	D	D	B	B	B	D	D	D	B	A	A	C	C	D	B	A	A	A	-	A	A	A	A
Dioctylamine / 2,2-diethylhexylamine	106-20-7	-	$C_{16}H_{33}N$	C	C	B	B	B	C	D	C	A	A	A	B	D	D	C	A	C	A	B	C	C	C	A
Dioxane / 1,4-dioxane	123-91-1	-	$C_4H_8O_2$	D	D	B	B	B	D	D	D	D	A	A	D	D	D	B	A	A	A	-	A	A	A	A
Dipentene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	A	D	D	A	A	A	A	-	-	-	-	A
Diphenyl / biphenyl	92-52-4	202-163-5	$C_6H_5-C_6H_5$	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	-	B	B	A	A
Diphenyl oxide	101-84-8	-	$C_{12}H_{10}O$	D	D	D	D	D	D	D	D	A	A	A	C	B	D	A	A	A	A	-	A	A	-	A
Diphenyl phthalate	-	-	-	D	D	B	B	B	D	D	D	C	A	A	C	B	D	B	A	A	A	-	A	A	C	A
Dipropyl glycol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	A	A
Dipropyl ketone / 4-heptanone	123-19-3	-	$C_7H_{14}O$	D	D	A	A	A	D	D	D	D	A	A	D	D	D	C	A	A	A	A	A	A	A	A
Dipropylamine	-	-	-	B	B	A	A	A	D	D	C	A	A	A	B	D	D	C	A	C	A	B	C	C	C	A
Divinyl benzene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	D	D	A	A	A	A	A	A	A	A	A
Dodecyltoluene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	D	D	A	A	A	A	A	A	A	A	A
Dodecylbenzene / 1-phenyldodecane	123-01-3	204-591-8	$C_{18}H_{30}$	D	D	D	D	D	D	D	D	A	A	A	D	A	B	A	A	A	A	A	A	A	A	A
Dow-per / perchloroethylene	127-18-4	-	$C_2Cl_4$	D	D	D	D	D	D	D	D	A	B	B	D	D	D	A	A	A	A	C	B	B	B	A

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Epichlorohydrin	106-89-8	203-439-8	$C_2H_5ClO$	D	D	B	B	B	D	D	D	D	D	B	D	D	D	C	A	A	A	C	C	C	C	B
Ethanolamine	141-43-5	-	$C_2H_7NO$	B	B	A	A	A	D	B	C	D	A	A	B	D	D	C	A	C	A	B	C	C	C	C
Ethers	60-29-7	200-467-2	$C_4H_{10}O$	D	D	C	D	C	C	C	C	C	A	A	D	C	D	B	A	A	A	B	A	A	B	A
Ethyl acetate	141-78-6	205-500-4	$CH_3COOC_2H_5$	D	D	B	B	A	D	D	D	D	A	A	B	D	D	C	A	A	A	B	A	A	A	A
Ethyl acetoacetate	141-97-9	205-516-1	$C_6H_{10}O_3$	D	D	B	B	A	D	D	D	D	A	A	B	D	D	C	A	A	A	B	A	A	A	A
Ethyl acrylate	140-88-5	-	$C_5H_8O_2$	D	D	B	B	A	D	D	D	D	A	A	B	D	D	A	A	A	A	B	A	A	A	A
Ethyl benzene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	A	D	A	A	-	A	A	B	B	A	A
Ethyl benzoate	93-89-0	-	$C_6H_5COOC_2H_5$	D	D	B	B	A	D	C	A	A	A	A	D	A	D	A	A	A	A	B	A	A	A	A
Ethyl butyl alcohol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl butyl amine	-	-	-	B	B	A	A	A	D	C	A	A	A	A	B	D	D	C	A	C	A	B	C	C	C	A
Ethyl butyl ketone	-	-	-	D	D	A	A	A	D	D	D	D	A	A	D	D	D	C	A	A	A	A	A	A	A	A
Ethyl chloride	-	-	-	D	D	C	C	B	D	B	A	A	A	A	D	A	D	A	A	A	A	C	C	C	C	C
Ethyl dichloride	-	-	-	D	D	D	D	C	D	D	B	A	A	A	D	B	D	A	A	A	A	C	C	C	C	C
Ethyl ether	60-29-7	200-467-2	$C_4H_{10}O$	D	D	D	D	C	D	D	D	D	A	A	D	C	D	B	A	A	A	B	A	A	B	A
Ethyl formate	109-94-4	-	$HCOOC_2H_5$	D	D	A	A	A	D	D	D	D	A	A	D	A	D	A	A	A	A	B	A	A	A	A
Ethyl hexanol	-	-	-	D	D	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl methyl Ketone	78-93-3	-	$C_4H_8O$	C	C	A	A	A	D	D	D	D	A	A	D	D	D	C	A	A	A	A	A	A	A	A
Ethyl oxalate	-	-	-	B	B	A	A	A	D	D	C	C	A	A	D	B	D	A	A	A	A	D	B	B	B	A
Ethyl phthalate	-	-	-	D	D	A	A	A	D	D	C	C	A	A	B	D	D	B	A	A	A	-	A	A	C	A
Ethyl propyl Ether	-	-	-	D	D	D	D	C	D	D	D	D	A	A	D	C	D	B	A	A	A	B	A	A	B	A
Ethyl propyl Ketone	589-38-8	-	$C_6H_{12}O$	D	D	A	A	A	D	D	D	D	A	A	D	D	D	C	A	A	A	A	A	A	A	A
Ethyl silicate	78-10-4	-	$(C_2H_5O)_4Si$	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-	A
Ethyl sulfate	64-67-5	-	$C_4H_{10}O_4S$	D	D	B	B	B	D	D	D	A	A	A	D	D	D	A	A	A	A	D	-	-	-	A
Ethylene	74-85-1	-	$C_2H_4$	D	D	D	D	D	A	C	C	A	A	A	D	A	A	A	A	A	A	D	-	-	-	A
Ethylene chloride	107-06-2	203-458-1	$C_2H_4Cl_2$	D	D	D	D	D	D	D	D	A	A	A	D	C	D	A	A	A	A	C	C	C	C	C
Ethylene diamine	-	-	-	C	C	A	A	A	B	B	B	B	A	A	A	D	B	C	A	C	A	B	C	C	C	A
Ethylene dibromide	-	-	-	D	D	D	D	D	D	D	D	B	B	B	D	C	D	A	A	A	A	C	B	B	B	B
Ethylene glycol	107-21-1	203-473-3	$C_2H_6O_2$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethylene Glycol 65°C / 149°F	-	-	-	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethylene bromide	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	C	D	A	A	A	A	C	B	B	B	B

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminum				Carbon steel	Stainless steel AISI 316
																						Aluminum	Bronze	Brass	Carbon steel		
Freon 114 / 1,2-dichlorotetrafluorethane	76-14-2	-	C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	D	D	D	D	D	D	D	D	D	C	D	D	D	D	B	A	A	A	D	A	A	A		
Freon 115	-	-	-	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 12 / dichlorodifluoromethane	75-73-0	200-896-5	CF <sub>4</sub>	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 13	-	-	-	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 14 / carbon tetrafluoride	-	-	-	A	A	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 21	-	-	-	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 218	-	-	-	A	A	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 22 / chlorodifluoromethane	75-45-6	-	CHClF <sub>2</sub>	C	C	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	C	A	A	A		
Freon 31	-	-	-	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 32 / difluoromethane	75-10-5	-	CH <sub>2</sub> F <sub>2</sub>	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon 502	-	-	-	A	A	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon BF	-	-	-	D	D	DD	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon C316	-	-	-	A	A	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon C318	-	-	-	A	A	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Freon MF	75-69-4	-	CFCl <sub>3</sub>	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Fuel Oil	-	-	-	D	D	D	D	D	D	D	D	D	D	C	D	D	D	B	A	A	A	D	A	D	A		
Fumaric acid	110-17-8	203-743-0	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Furan	110-00-9	203-727-3	C <sub>4</sub> H <sub>4</sub> O	D	D	D	D	D	D	D	D	D	D	A	A	A	A	D	A	A	A	A	A	A	A	A	
Furfural	98-01-1	-	C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	D	D	B	B	A	D	C	D	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	
Furfuryl alcohol	98-00-0	-	C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>	D	D	B	B	A	D	D	D	D	A	A	A	A	A	D	A	A	A	A	A	A	A	A	

## G

Gallic acid	149-91-7	205-749-9	C <sub>7</sub> H <sub>6</sub> O <sub>5</sub>	B	B	B	B	A	B	B	A	A	A	A	A	A	A	B	A	A	A	A	D	B	B	C	A
Gasoline Lead Free	-	-	-	D	D	D	D	A	D	A	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Gasoline. Hi Test	-	-	-	D	D	D	D	A	D	B	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Gasoline, Reg	-	-	-	D	D	D	D	A	D	A	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Gelatin	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Gluconic acid	-	-	-	B	B	A	A	A	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glucose	50-99-7	200-075-1	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glue	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glycerine	56-81-5	200-289-5	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glycols	107-21-1	203-473-3	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grease	-	-	-	D	D	D	D	A	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Green Sulfate Liquors	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FBM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Halowax Oil	-	-	-	D	D	D	D	D	D	D	D	D	A	A	D	A	D	A	A	A	A	-	-	-	-	
Heptane / n-Heptane	142-82-5	205-563-8	C <sub>7</sub> H <sub>16</sub>	D	D	D	D	D	A	B	B	A	A	A	D	A	A	A	A	A	A	A	A	A	A	
Heptane Carboxylic Acid	-	-	-	D	C	C	C	C	C	C	B	A	A	A	D	A	C	A	A	A	A	A	C	C	A	
Heptanol	-	-	-	D	C	D	C	C	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Hexane / n-Hexane	110-54-3	203-777-6	C <sub>6</sub> H <sub>14</sub>	D	D	D	D	D	A	B	B	A	A	A	D	A	A	A	A	A	A	A	A	A	A	
Hexilene Glicol 65°C / 149°F	-	-	-	C	C	A	B	A	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	
Hexylmethylketone / 2-octanone	111-13-7	-	C <sub>8</sub> H <sub>16</sub> O	D	B	B	B	B	D	D	D	D	A	A	D	D	D	C	A	A	A	A	A	A	A	
Hexylamine	111-26-2	-	C <sub>6</sub> H <sub>15</sub> N	D	B	B	B	B	C	C	C	A	A	A	B	D	D	C	A	C	A	B	C	C	A	
Hexylene	107-41-5	-	-	D	D	D	D	D	A	B	B	A	A	A	D	A	A	A	A	A	A	A	A	A	A	
Hydraulic fluid (Petroleum)	-	-	-	D	D	D	D	D	A	C	B	A	A	A	D	A	A	A	A	A	A	D	A	A	A	
Hydraulic fluid (Phosphate Ester Base)	-	-	-	D	A	A	A	A	D	D	D	D	A	A	D	D	A	A	A	A	A	A	A	A	A	
Hydraulic fluid (Poly Alkylene Glycol Base)	-	-	-	B	B	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	
Hydrobromic acid 65°C / 149°F	10035-10-6	233-113-0	HBr	D	B	B	A	A	D	D	C	A	B	A	D	B	D	A	A	A	A	D	C	C	C	
Hydrochloric acid 37% 50°C / 122°F	-	-	-	D	B	B	A	A	D	D	C	A	B	A	D	A	D	A	A	A	A	D	D	D	C	
Hydrocyanic acid	74-90-8	200-821-6	HCN	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Hydrofluoric acid 50°C / 122°F	7664-39-3	-	HF (aq.)	D	D	D	D	D	D	D	D	D	C	C	D	D	B	A	A	A	A	C	C	C	C	
Hydrogen gas	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Hydrogen peroxide 10%	-	-	-	D	B	B	A	A	D	C	B	A	A	A	A	A	D	A	A	A	A	C	C	C	B	
Hydrogen sulfide	7783-06-4	231-977-3	H <sub>2</sub> S	D	C	A	A	D	D	D	B	A	A	A	C	A	D	A	A	A	A	B	B	B	B	
Hydroquinone	123-31-9	-	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	C	C	C	B	A	C	D	B	C	A	A	D	B	C	A	A	A	A	-	-	-	A	
Hypochlorous acid	-	-	-	D	D	D	B	A	D	D	C	A	A	A	D	A	D	A	A	A	A	D	D	D	C	



Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Ink oil (Linsed Oil Base)	-	-	-	D	D	C	C	C	A	B	B	A	A	A	D	A	A	A	A	A	A	A	A	-	C	A
Insulating oil	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	A	A	A	A	A	A	D	A	A	A	A
Iodine	7553-56-2	231-442-4	I <sub>2</sub>	D	D	D	D	D	D	D	D	A	D	D	D	B	D	A	A	A	A	C	C	C	C	C
Iron acetate	-	-	-	D	D	A	A	A	A	D	C	C	A	A	D	D	C	B	A	A	A	B	A	A	A	A
Iron salts	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Iron sulfide	1317-37-9	-	FeS	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Isoamyl acetate	123-92-2	-	CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	D	D	B	A	A	D	C	C	D	A	A	B	D	D	C	A	A	A	B	A	A	A	A
Isoamyl alcohol	123-51-3	204-633-5	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH <sub>2</sub> OH	C	C	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Isoamyl bromide	-	-	-	D	D	D	D	D	D	D	D	D	B	A	D	C	D	A	A	A	A	C	B	B	B	B
Isoamyl butyrate	-	-	-	D	D	B	D	C	B	C	B	D	B	A	D	A	B	A	A	A	A	A	A	A	A	A
Isoamyl chloride	-	-	-	D	D	D	D	D	D	D	D	B	B	A	D	C	D	A	A	A	A	C	C	C	C	C
Isoamyl ether	-	-	-	D	D	D	D	D	D	D	D	D	A	A	D	C	D	B	A	A	A	B	A	A	A	A
Isoamyl phthalate	-	-	-	D	D	A	A	A	D	D	D	C	A	A	B	D	D	B	A	A	A	A	A	A	A	A
Isobutane	75-28-5	-	C <sub>4</sub> H <sub>10</sub>	D	D	D	D	D	A	B	C	B	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Isobutanol	78-83-1	-	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH	C	C	A	B	A	A	A	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A
Isobutyl acetate	-	-	-	D	D	A	A	A	D	C	C	D	A	A	B	D	D	C	A	A	A	A	A	A	A	A
Isobutyl aldehyde	-	-	-	D	D	A	B	A	D	C	C	C	A	A	D	D	D	A	A	A	A	A	A	A	A	A
Isobutyl amine	-	-	-	C	C	A	A	A	D	C	C	C	A	A	D	D	D	A	A	A	A	A	A	A	A	A
Isobutyl bromide	-	-	-	D	D	A	A	A	D	D	C	A	A	A	B	D	D	C	A	A	A	B	C	C	C	C
Isobutyl chloride	-	-	-	D	D	D	D	D	D	D	D	C	A	A	D	C	A	A	A	A	A	C	C	C	C	C
Isobutyl ether	-	-	-	D	D	D	D	D	D	D	D	B	A	A	D	C	D	B	A	A	A	B	A	A	A	A
Isobutylene	-	-	-	D	D	D	D	D	A	B	B	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Isocane	540-84-1	208-759-1	(CH <sub>3</sub> ) <sub>3</sub> CCCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	D	D	D	D	D	A	C	C	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Isocyanate	-	-	-	D	D	B	B	B	D	D	D	D	C	B	D	D	D	B	A	A	A	A	-	-	-	A
Isopropyl acetate	108-21-4	-	CH <sub>3</sub> COOCH(CH <sub>3</sub> ) <sub>2</sub>	D	D	A	A	A	D	C	C	D	A	A	B	D	D	C	A	A	A	B	A	A	A	A
Isopropyl alcohol	67-63-0	200-661-7	CH <sub>3</sub> CHOHCH <sub>3</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Isopropyl amine	-	-	-	C	C	A	A	A	D	D	C	A	A	A	B	D	D	C	A	A	A	B	C	C	C	C
Isopropyl benzene	-	-	-	D	D	D	D	D	C	D	D	A	A	A	D	B	C	A	A	A	A	A	A	A	A	A
Isopropyl chloride	75-29-6	200-858-8	C <sub>3</sub> H <sub>7</sub> Cl	D	D	D	D	D	D	D	D	B	B	A	D	C	D	A	A	A	A	C	C	C	C	C
Isopropyl ether	108-20-3	203-560-6	(CH <sub>3</sub> ) <sub>2</sub> CHOCH(CH <sub>3</sub> ) <sub>2</sub>	D	D	D	D	D	D	D	D	D	A	A	D	C	D	B	A	A	A	B	A	A	A	A
Isopropyl toluene	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	A	A	A	A

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Jet Fuels (JP1 - JP6)	-	-	-	D	D	D	D	D	A	D	C	A	A	A	D	B	A	A	A	A	A	A	A	A	A	A

## K

Kerosene	8008-20-6	-	-	D	D	D	D	D	A	D	D	A	A	A	D	A	A	A	A	A	A	A	B	A	A	A
Ketones	-	-	-	D	D	A	A	A	D	D	D	D	A	A	D	D	D	C	A	A	A	A	A	A	A	A

## L

Lacquers	-	-	-	D	D	D	D	D	C	D	D	D	D	B	D	D	C	B	A	A	A	A	A	A	A	A
Lacquers solvents	-	-	-	D	D	D	D	D	D	D	D	D	D	B	D	D	D	B	A	A	A	A	A	A	A	A
Lactic acid	50-21-5	200-018-0	CH <sub>3</sub> CHOHCOOH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C
Lard	-	-	-	D	D	B	B	B	A	D	D	A	A	A	B	A	A	A	A	A	A	A	A	C	C	B
Lauryl alcohol	-	-	-	B	B	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A
Lead acetate	-	-	(CH <sub>3</sub> COO) <sub>2</sub> xPb	D	D	A	A	A	D	C	C	C	A	A	D	D	D	B	A	A	A	A	-	C	C	A
Lead nitrate	10099-74-8	233-245-9	Pb(NO <sub>3</sub> ) <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A
Lead sulfate 65°C / 149°F	7446-14-2	-	PbSO <sub>4</sub>	A	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A
Ligroin	8032-32-4	232-453-7	-	D	D	D	D	D	A	D	D	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Lime water	-	-	-	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A
Linseed oil	8001-26-1	-	-	D	D	C	C	C	A	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Liquid soap	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Liquified petroleum gas	-	-	-	D	D	D	D	D	A	D	D	A	A	A	C	C	A	A	A	A	A	A	A	A	A	A
Lubrificatings oil	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	B	A	A	A	A	A	A	A	A	A	A
Lye / sodium hydroxide	1310-73-2	215-185-5	NaOH	B	B	A	A	A	B	C	A	D	A	A	B	B	B	B	A	A	A	A	A	A	A	A

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Magnesium acetate	142-72-3	-	(CH <sub>3</sub> COO) <sub>2</sub> Mg · 4H <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	
Magnesium carbonate	23389-33-5	-	MgCO <sub>3</sub> · nH <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	
Magnesium chloride	7786-30-3	232-094-6	MgCl <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Magnesium hydroxide	1309-42-8	-	Mg(OH) <sub>2</sub>	A	B	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	C	B	B	A	
Magnesium nitrate	13446-18-9	-	Mg(NO <sub>3</sub> ) <sub>2</sub> · 6H <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	
Magnesium sulfate	7487-88-9	231-298-2	MgSO <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	
Maleic acid	110-16-7	-	HOCOC <sub>2</sub> H <sub>3</sub> COOH	A	A	A	A	A	A	B	A	A	A	A	D	D	A	A	A	A	A	A	C	C	A	
Maleic anhydride	108-31-6	-	C <sub>4</sub> H <sub>2</sub> O <sub>3</sub>	A	A	A	A	A	A	C	A	A	A	A	D	D	A	A	A	A	A	A	C	C	A	
Malic acid 65°C / 149°F	-	-	-	A	B	D	C	A	A	D	B	A	B	A	B	A	A	A	A	A	A	B	C	C	A	
Manganese sulfate	10034-96-5	-	MnSO <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	A	
Manganese sulfide	-	-	-	B	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	-	A	A	A	
Manganese sulfite	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	A	A	
Mercuric chloride	7487-94-7	-	HgCl <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	C	C	C	C	
Mercury	7439-97-6	-	Hg	A	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	C	C	C	A	
Metanol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Methacrylic acid	79-41-4	201-204-4	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	D	D	B	B	A	B	B	B	A	A	A	D	D	A	A	A	A	A	A	A	A	A	
Methane	74-82-8	-	CH <sub>4</sub>	D	D	D	D	A	C	C	A	A	A	A	D	B	A	A	A	A	A	A	A	A	A	
Methyl acetate	79-20-9	-	CH <sub>3</sub> COOCH <sub>3</sub>	D	D	A	A	A	D	C	C	D	A	A	D	A	A	A	A	A	A	A	A	B	B	
Methyl acrylate	96-33-3	202-500-6	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	D	D	B	B	A	D	B	D	D	A	A	D	D	A	D	B	A	A	A	-	-	A	
Methyl bromide	74-83-9	-	CH <sub>3</sub> Br	D	D	D	D	D	D	D	D	A	A	A	A	A	A	A	A	A	A	C	C	C	B	
Methyl butyl ketone	591-78-6	-	C <sub>6</sub> H <sub>12</sub> O	D	D	A	A	A	D	C	C	D	A	A	D	D	A	A	A	A	A	A	A	A	A	
Methyl chloride	74-87-3	200-817-4	CH <sub>3</sub> Cl	D	D	D	D	D	D	D	D	B	B	A	D	B	D	A	A	A	A	C	C	C	C	
Methyl cyclohexane	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	B	D	A	A	A	A	A	A	A	A	
Methyl ethyl ketone (MEK)	78-93-3	-	C <sub>4</sub> H <sub>8</sub> O	D	D	A	A	A	D	C	C	D	A	A	D	D	A	A	A	A	A	A	A	A	A	
Methyl ethyl ketone	-	-	-	D	D	A	A	A	D	C	C	D	A	A	B	D	D	A	A	A	A	A	A	A	A	
Methyl formate	107-31-3	-	HCOOCH <sub>3</sub>	D	D	A	A	A	D	D	D	A	A	A	B	D	D	A	A	A	A	A	A	A	A	
Methyl hexanol	-	-	-	D	D	C	C	C	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Methyl isobutyl ketone (MIBK)	108-10-1	-	CH <sub>3</sub> COCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	D	D	A	A	A	D	C	C	D	A	A	D	D	A	A	A	A	A	A	A	A	A	
Methyl isopropyl ketone	-	-	-	D	D	A	A	A	D	C	C	D	A	A	D	D	A	A	A	A	A	A	A	A	A	
Methyl methacrylate	-	-	-	D	D	B	B	A	D	C	D	D	A	A	D	D	A	A	A	A	A	-	-	-	-	
Methyl propyl ether	-	-	-	D	D	D	D	C	D	D	D	D	A	A	D	C	D	B	A	A	A	A	A	B	A	
Methyl propyl ketone	107-87-9	-	C <sub>5</sub> H <sub>10</sub> O	D	D	A	A	A	D	C	C	D	A	A	D	D	A	A	A	A	A	A	A	A	A	
Methyl salicylate	119-36-8	204-317-7	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	D	D	B	B	A	D	D	D	D	A	A	D	D	A	A	A	A	A	A	A	-	B	
Methylene bromide	74-95-3	-	CH <sub>2</sub> Br <sub>2</sub>	D	D	D	D	D	D	D	D	A	B	A	D	B	D	A	A	A	A	A	C	C	B	
Methylene chloride	75-09-2	200-838-9	CH <sub>2</sub> Cl <sub>2</sub>	D	D	D	D	D	D	D	D	B	B	A	D	B	D	A	A	A	A	A	C	C	C	
Mineral oil	8020-83-5	-	-	D	D	D	D	D	A	C	B	A	A	A	B	A	A	A	A	A	A	A	A	A	A	
Motor oil	-	-	-	D	D	D	D	D	A	D	D	A	A	A	D	A	A	A	A	A	A	A	A	A	A	

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminum	Bronze	Brass	Carbon steel	Stainless steel AISI 316
					NR	SBR	IIR	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminum	Bronze	Brass	Carbon steel
Naphta / petroleum ether	8030-30-6	-	-	D	D	D	D	A	D	D	A	A	A	D	B	A	A	A	A	A	A	A	A	A	A
Naphtalene	91-20-3	202-049-5	C <sub>10</sub> H <sub>8</sub>	D	D	D	D	D	D	D	A	A	A	D	A	D	A	A	A	A	A	A	A	A	A
Natural gas	-	-	-	D	D	D	D	A	C	C	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A
Nickel acetate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A
Nickel chloride	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C
Nickel nitrate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Nickel sulfate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	A
Nitric acid 10% 80°C / 176°F	-	-	-	D	D	A	A	A	C	A	A	B	A	D	C	D	A	A	A	A	A	C	C	C	A
Nitric acid 20% 65°C / 149°F	-	-	-	D	D	A	A	A	D	A	B	A	A	D	C	D	A	A	A	A	A	C	C	C	A
Nitric acid 30% 50°C / 122°F	-	-	-	D	D	B	B	A	D	A	A	A	A	D	C	D	A	A	A	A	A	C	C	C	A
Nitric acid 30-65%	-	-	-	D	D	C	C	B	D	A	D	D	D	D	D	D	A	A	A	A	A	C	C	C	A
Nitric acid, Red Fuming	-	-	-	D	D	D	D	D	D	D	C	D	C	D	D	D	A	A	A	A	A	C	C	C	A
Nitrobenzene	98-95-3	202-716-0	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	D	D	D	D	D	D	D	B	B	A	D	D	D	B	A	A	A	A	-	B	A	A
Nitrogen gas	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Nitrogen tetraoxide	-	-	-	D	D	D	D	D	D	D	D	B	B	D	D	D	D	A	A	A	A	C	C	C	A
Nitromethane	75-52-5	200-876-6	CH <sub>3</sub> NO <sub>2</sub>	B	C	B	B	D	D	C	D	A	A	D	D	D	D	A	A	A	A	C	C	C	A
Nitropropane	-	-	-	C	D	B	B	C	D	C	C	A	A	D	D	D	C	A	A	A	A	C	C	C	A
Nitrous oxide	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A



Octane	111-65-9	203-892-1	C <sub>8</sub> H <sub>18</sub>	D	D	D	D	A	C	B	A	A	A	D	B	A	A	A	A	A	A	A	A	A	A
Octanol	111-87-5	203-917-6	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> OH	C	C	C	C	A	B	B	A	A	A	D	B	A	A	A	A	A	A	A	A	A	A
Octyl acetate	-	-	-	D	D	A	A	D	C	C	D	A	A	D	D	D	C	A	A	A	A	B	A	A	A
Octylamine	111-86-4	203-916-0	C <sub>8</sub> H <sub>19</sub> N	D	D	B	B	C	D	C	D	A	A	B	D	D	C	A	C	A	A	B	C	C	A
Octylene glycol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Oleic acid	112-80-1	-	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> CH=CH(CH <sub>2</sub> ) <sub>7</sub> COOH	D	D	C	C	C	C	C	A	A	A	D	D	B	A	A	A	A	A	B	B	C	A
Olive oil	-	-	-	D	D	C	C	B	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Orthodichlorobenzene	-	-	-	D	D	D	D	D	D	D	B	B	A	D	C	D	A	A	A	A	A	C	B	B	B
Oxalic acid	144-62-7	-	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	B	B	A	A	A	B	B	A	A	A	B	A	B	A	A	A	A	A	C	C	C	A
Oxygen	-	-	-	D	D	B	A	A	C	B	B	A	A	A	A	C	A	A	A	A	A	A	A	A	A
Ozone	10028-15-6	-	O <sub>3</sub>	D	D	B	A	A	C	A	A	A	A	A	B	C	A	A	A	A	A	A	A	A	A


Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
P-Dichlorobenzene	-	-	-	D	D	D	D	D	D	D	D	D	B	A	D	C	D	A	A	A	A	C	C	C	C	C
Palm oil	8002-75-3	232-316-1	-	D	D	B	A	A	A	D	A	A	A	A	D	A	A	A	A	A	A	-	C	C	C	A
Palmitic acid	57-10-3	-	C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>	D	D	C	C	A	C	C	A	A	A	A	D	A	A	A	A	A	A	A	B	B	A	A
Paraffin 80°C / 176°F	8002-74-2	-	-	D	D	C	C	C	A	A	B	A	B	A	D	B	A	A	A	A	A	A	A	A	A	A
Penaut oil	-	-	-	D	D	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Pentane	109-66-0	203-692-4	C <sub>5</sub> H <sub>12</sub>	D	D	D	D	A	C	B	A	A	A	A	D	B	A	A	A	A	A	A	A	A	A	A
Peracetic acid 40%	79-21-0	-	C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	D	D	C	C	B	D	D	D	A	A	A	D	D	D	B	A	A	A	C	C	C	C	B
Perchloroethylene	127-18-4	-	C <sub>2</sub> Cl <sub>4</sub>	D	D	D	D	D	D	D	D	A	B	A	D	C	D	A	A	A	A	C	C	C	C	C
Petroleum	-	-	-	D	D	D	D	D	A	C	B	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Phenol 50°C / 122°F	108-95-2	203-632-7	C <sub>6</sub> H <sub>5</sub> OH	D	D	B	C	B	D	C	C	A	A	A	D	B	D	A	A	A	A	-	A	A	C	C
Phenolsulfonic acid	98-67-9	-	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub> S	D	D	B	C	B	D	D	D	A	B	A	D	D	D	A	A	A	A	C	C	C	C	B
Phenyl chloride	-	-	-	D	D	D	D	D	D	D	D	A	A	A	D	C	D	A	A	A	A	C	C	C	C	C
Phenylhydrazine	100-63-0	-	C <sub>6</sub> H <sub>5</sub> NHNH <sub>2</sub>	C	C	B	A	D	D	D	D	A	A	A	D	D	D	A	A	A	A	A	A	A	A	A
Phosphate esters	-	-	-	D	D	A	A	A	D	C	C	D	A	A	D	D	D	C	A	A	A	-	C	C	C	A
Phosphoric acid	7664-38-2	231-633-2	H <sub>3</sub> PO <sub>4</sub>	D	D	A	A	A	D	D	C	A	A	A	D	B	D	A	A	A	A	C	C	C	C	A
Pickling solution	-	-	-	D	D	B	B	A	D	D	C	A	A	A	D	D	D	A	A	A	A	C	C	C	C	A
Picric acid, molten	-	-	-	D	D	B	B	A	C	B	B	A	B	A	D	B	C	A	A	A	A	-	B	B	-	A
Picric acid, water solution	-	-	-	D	D	B	B	A	C	B	B	A	A	A	D	B	C	A	A	A	A	-	B	B	-	A
Pine oil	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	A	A	A	A	A	A	A	A	C	C	B
Pinene	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Piperidine	110-89-4	-	C <sub>5</sub> H <sub>11</sub> N	D	D	B	B	A	D	D	D	A	A	A	B	D	C	A	A	A	A	B	C	C	C	A
Polyethylene glycol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium acetate	127-08-2	204-822-2	CH <sub>3</sub> COOK	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium bicarbonate	298-14-6	-	KHCO <sub>3</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium bisulfate	7646-93-7	231-594-1	KHSO <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium bisulfite	-	-	-	B	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium carbonate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium chloride	7447-40-7	231-211-8	KCl	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium chromate	7789-00-6	-	K <sub>2</sub> CrO <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	C	C	C	C
Potassium cyanide	151-50-8	205-792-3	KCN	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	B
Potassium dichromate	7778-50-9	-	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	C	A
Potassium hydroxide water solution	1310-58-3	215-181-3	KOH	B	C	A	A	C	C	B	C	A	A	C	C	A	A	A	A	A	A	C	C	C	C	B
Potassium nitrate	7757-79-1	231-818-8	KNO <sub>3</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A
Potassium permanganate	7722-64-7	231-760-3	KMnO <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	A
Potassium silicate	10006-28-7	-	K <sub>2</sub> SiO <sub>3</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium sulfate	7778-80-5	231-915-5	K <sub>2</sub> SO <sub>4</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
					NR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316	
P Potassium sulfide	1312-73-8	215-197-0	K <sub>2</sub> S	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	C	A	
Potassium sulfite	-	-	-	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	C	A	
P Propane gas	74-98-6	200-827-9	C <sub>3</sub> H <sub>8</sub>	D	D	D	D	D	A	B	B	A	A	A	D	B	A	A	A	A	A	A	A	A	A	
P Propanediol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
P Propanol	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
P Propyl acetate	109-60-4	-	CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	D	D	B	B	B	D	C	C	D	A	A	D	D	D	C	A	A	A	A	A	A	A	
P Propyl aldehyde	-	-	-	D	D	A	A	A	D	B	B	D	A	A	D	D	D	C	A	A	A	A	A	A	A	
P Propyl amine	-	-	-	D	D	B	B	B	D	D	C	C	A	A	D	D	D	C	A	A	A	B	C	C	A	
P Propyl chloride	540-54-5	-	C <sub>3</sub> H <sub>7</sub> Cl	D	D	D	D	D	D	D	D	B	B	A	D	B	D	A	A	A	A	C	C	C	C	
P Propylene diamine	-	-	-	D	D	B	B	B	D	B	B	D	A	A	D	D	D	C	A	A	A	B	C	C	A	
P Propylene glycol	57-55-6	200-338-0	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
P Pyranol	-	-	-	D	D	D	D	D	A	C	B	A	A	A	D	B	A	A	A	A	A	A	A	A	A	
P Pyridine	110-86-1	-	C <sub>5</sub> H <sub>5</sub> N	D	D	C	C	B	D	D	D	D	A	A	D	D	D	C	A	A	A	B	B	B	B	

R

Rhum

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FBM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminum	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Salicylic acid	69-72-7	200-712-3	$C_7H_6O_3$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	B	C	A	
Salt water / sea water	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sewage	-	-	-	B	A	A	A	A	A	C	B	A	A	A	D	B	C	A	A	A	A	B	C	B	A	
Silicone oil	63148-62-9	-	-	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	
Silicons greases	-	-	-	A	A	A	A	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	
Silver nitrate	7761-88-8	231-853-9	$AgNO_3$	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	A	
Soda caustic 65°C / 149°F sodium hydroxide	1310-73-2	215-185-5	$NaOH$	C	A	A	A	A	B	A	A	A	A	A	B	B	A	A	A	A	A	C	C	C	B	
Sodium acetate	127-09-3	204-823-8	$CH_3COONa$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium aluminate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	C	A	
Sodium bicarbonate	144-55-8	-	$NaHCO_3$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	
Sodium bichromate	-	-	-	C	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	C	C	A	
Sodium bisulfate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	C	A	
Sodium bisulfite	7631-90-5	-	$NaHSO_3$	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	B	C	A	
Sodium borate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium carbonate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium chloride	7647-14-5	231-598-3	$NaCl$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	
Sodium chromate	10034-82-9	-	$Na_2CrO_4 \cdot H_2O$	C	C	A	A	A	B	A	A	A	A	A	B	A	B	A	A	A	A	B	A	B	A	
Sodium cyanide	143-33-9	-	$NaCN$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	C	A	
Sodium fluoride	7681-49-4	231-667-8	$NaF$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	A	A	A	
Sodium hypochlorite	7681-52-9	231-668-3	$ClONa$	D	B	B	B	D	C	B	A	A	A	A	B	B	A	A	A	A	A	C	C	C	C	
Sodium metaphosphate	-	-	-	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	C	C	C	A	
Sodium nitrate	7631-99-4	231-554-3	$NaNO_3$	A	A	A	A	A	A	A	A	A	A	A	D	C	B	A	A	A	A	A	A	A	A	
Sodium nitrite	7632-00-0	-	$NaNO_2$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium perborate water solution	10486-00-7	-	$NaBO_3 \cdot 4H_2O$	B	A	A	A	A	B	A	A	A	A	A	B	A	B	A	A	A	A	-	C	B	A	
Sodium phosphate	7601-54-9	231-509-8	$Na_3PO_4$	A	A	A	A	A	A	A	A	A	A	A	D	B	B	A	A	A	A	B	B	B	A	
Sodium silicate	1344-09-8	239-981-7	$Na_4O_4Si$	A	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	-	C	C	A	
Sodium sulfate	7757-82-6	-	$Na_2SO_4$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	
Sodium sulfide	1313-84-4	-	$Na_2S \cdot 9H_2O$	B	A	A	A	A	B	A	A	A	A	A	A	A	B	A	A	A	A	-	C	C	A	
Sodium sulfite	7757-83-7	231-821-4	$Na_2SO_3$	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	
Sodium thiosulfate	7772-98-7	-	$Na_2S_2O_3$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	
Soybean oil	-	-	-	D	D	D	D	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Stannic chloride	-	-	-	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	C	C	C	C	
Stannic sulfide	-	-	-	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	A	
Stannous chloride	10025-69-1	-	$SnCl_2 \cdot 2H_2O$	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	C	C	C	C	
Stannous sulfide	-	-	-	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	A	

 Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Steel over 120°C / 248°F	-	-	-	D	D	A	A	A	B	D	D	D	D	D	D	D	D	D	A	A	A	C	C	C	A	
Steel under 120°C / 248°F	-	-	-	D	D	A	A	A	A	D	D	D	D	D	D	D	D	D	A	A	A	A	A	A	A	
Stearic acid	-	-	-	C	C	B	B	A	D	B	B	A	A	A	B	D	D	D	A	A	A	B	B	B	C	
Stoddards solvent	-	-	-	D	D	D	D	D	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Styrene	100-42-5	202-851-5	C <sub>8</sub> H <sub>8</sub>	D	D	D	D	D	D	D	D	C	A	A	D	D	D	D	A	A	A	B	B	B	A	
Sulfonic acid	-	-	-	D	D	C	C	B	D	D	C	D	A	A	D	D	D	D	A	A	A	C	C	C	A	
Sulfur chloride	-	-	-	D	D	D	D	C	D	D	B	A	A	A	D	D	D	D	A	A	A	C	C	C	C	
Sulfur dioxide	7446-09-5	231-195-2	SO <sub>2</sub>	D	D	B	C	B	D	C	A	A	A	A	D	D	D	D	A	A	A	A	A	A	A	
Sulfur trioxide	7446-11-9	231-197-3	SO <sub>3</sub>	D	D	B	C	B	D	D	D	A	A	A	D	D	D	D	A	A	A	C	C	C	C	
Sulfuric acid 25%	-	-	-	C	D	A	A	A	D	B	A	A	A	A	D	D	D	D	A	A	A	C	C	C	C	
Sulfuric acid 25-50%	-	-	-	D	D	B	B	A	D	D	A	A	A	A	D	D	D	D	A	A	A	C	C	C	C	
Sulfuric acid 50-96%	-	-	-	D	D	D	D	C	D	D	C	A	A	A	D	D	D	D	A	A	A	C	C	C	C	
Sulfuric acid, fuming	8014-95-7	016-019-00-2	H <sub>2</sub> SO <sub>4</sub> containing ca. 20% SO <sub>3</sub>	D	D	D	D	D	D	D	D	A	D	D	D	D	D	D	C	A	A	C	C	C	C	
Sulfurous acid 10-75%	-	-	-	D	D	A	A	A	D	D	A	A	A	A	D	D	D	D	A	A	A	B	C	C	C	

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Tannic Acid	1401-55-4	215-753-2	C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>	B	A	A	A	A	B	A	A	A	A	A	B	D	B	A	A	A	A	C	A	A	C	A
Tartaric Acid	-	-	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	C	C	A
Terpinol	8000-41-7	-	C <sub>10</sub> H <sub>18</sub> O	D	C	C	C	C	A	B	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Tertiary butyl alcohol	-	-	-	C	C	C	C	C	B	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A
Tetrachlorobenzene	-	-	-	D	D	D	D	D	D	D	D	B	B	A	D	C	D	A	A	A	A	C	C	C	C	C
Tetrachloroethane	-	-	-	D	D	D	D	D	D	D	D	B	B	A	D	C	D	A	A	A	A	C	C	C	C	C
Tetrachloroethylene	127-18-4	-	C <sub>2</sub> Cl <sub>4</sub>	D	D	D	D	D	D	D	D	B	B	A	D	C	D	A	A	A	A	C	C	C	C	C
Tetrachlorometane	56-23-5	200-262-8	CCl <sub>4</sub>	D	D	D	D	D	D	D	D	B	B	A	D	C	D	A	A	A	A	C	C	C	C	B
Tetrachloronaphthalene	-	-	-	D	D	D	D	D	D	D	D	B	B	A	D	D	D	A	A	A	A	C	C	C	C	C
Tetraethylene glycol	112-60-7	-	C <sub>8</sub> H <sub>18</sub> O <sub>5</sub>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Tetrahydrofuran	109-99-9	203-726-8	C <sub>4</sub> H <sub>8</sub> O	D	D	D	D	C	D	D	D	D	A	A	D	D	D	B	A	A	A	B	A	A	B	A
Thionyl chloride	7719-09-7	-	SOCl <sub>2</sub>	D	D	D	D	D	D	D	D	B	D	D	D	D	D	A	A	A	A	C	C	C	C	C
Thiophene	110-02-1	-	C <sub>4</sub> H <sub>4</sub> S	D	D	D	D	C	D	D	D	A	A	A	D	D	D	B	A	A	A	B	A	A	B	C
Toluene	108-88-3	203-625-9	C <sub>7</sub> H <sub>8</sub>	D	D	D	D	D	C	D	D	A	B	A	D	D	B	A	A	A	A	A	A	A	A	A
Toluene Diisocyanate (TDI)	-	-	-	D	D	D	D	D	D	A	C	B	A	A	D	D	A	A	A	A	A	A	A	A	A	A
Triacetin	102-76-1	203-051-9	C <sub>9</sub> H <sub>14</sub> O <sub>6</sub>	C	C	A	A	A	D	C	B	D	A	A	D	D	D	C	A	A	A	A	A	A	A	A
Tributylamine	102-82-9	-	C <sub>12</sub> H <sub>27</sub> N	D	A	A	A	A	D	D	C	C	A	A	D	D	D	C	A	C	A	B	C	C	C	A
Tributyl phosphate	126-73-8	-	(CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> O) <sub>3</sub> PO	D	C	C	C	B	B	D	D	D	A	A	D	D	D	B	A	A	A	-	B	B	A	A
Trichloro propane	-	-	-	D	D	D	D	D	D	D	D	B	B	A	D	D	D	A	A	A	A	C	C	C	C	C
Trichlorobenzene	-	-	-	D	D	D	D	D	D	D	D	B	B	A	D	D	D	A	A	A	A	C	C	C	C	C
Trichloroethane	-	-	-	D	D	D	D	D	D	D	D	B	B	A	D	D	D	A	A	A	A	C	C	C	C	C
Trichloroethylene	79-01-6	201-167-4	C <sub>2</sub> HCl <sub>3</sub>	D	D	D	D	D	D	D	D	B	B	A	D	D	D	A	A	A	A	C	C	C	C	C
Tricresyl phosphate TCP	1330-78-5	-	(CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> O) <sub>3</sub> PO	D	B	B	A	D	D	D	D	D	A	A	D	D	D	B	A	A	A	-	B	B	A	A
Triethanolamine (TEA)	102-71-6	203-049-8	C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	D	A	A	A	A	B	D	C	C	A	A	D	D	D	C	A	C	A	B	C	C	C	A
Triethylamine	121-44-8	204-469-4	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N	D	A	A	A	A	D	D	C	C	A	A	D	D	D	C	A	C	A	B	C	C	C	A
Triethylene glycol	112-27-6	-	HO(CH <sub>2</sub> CH <sub>2</sub> O) <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Trinitrotoluene (TNT)	-	-	-	D	D	D	D	D	D	D	B	A	D	D	D	D	D	A	A	A	A	B	B	B	B	A
Triphenyl phosphate	-	-	-	D	D	B	B	D	D	D	D	D	A	A	D	D	D	B	A	A	A	-	B	B	A	A
Turbine oil	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A

## U

Undecanol	112-42-5	203-970-5	C <sub>11</sub> H <sub>24</sub> O	D	D	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Urea	57-13-6	200-315-5	CH <sub>4</sub> N <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	C	A

Chemical product	CAS number	EC number	Molecular formula	NR	SBR	IIR	EPDM	EPM	NBR	CR	CSM	FPM	PE-X	UHMW	VMQ	FMQ	AU	PVDF	PTFE	PFA	MFA	Aluminium	Bronze	Brass	Carbon steel	Stainless steel AISI 316
Varnish	-	-	-	D	D	D	D	D	A	C	C	A	A	A	D	D	A	A	A	A	A	A	A	A	A	
Vaseline	-	-	-	D	D	C	C	C	A	B	B	A	A	A	D	D	A	A	A	A	A	A	A	A	A	
Vegetable Oils	-	-	-	D	D	B	B	B	A	B	B	A	A	A	D	D	A	A	A	A	A	A	A	A	A	
Vinegar	-	-	-	B	C	A	A	C	C	C	C	D	A	A	A	D	C	C	A	A	A	A	C	C	A	
Vinyl acetate	108-05-4	-	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	D	D	A	A	A	D	C	C	D	A	A	D	D	D	C	A	A	A	A	A	A	A	
Vinyl benzene	-	-	-	D	D	D	D	D	D	D	A	A	A	A	D	D	A	A	A	A	A	A	A	B	A	
Vinyl chloride monomer	75-01-4	-	C <sub>2</sub> H <sub>3</sub> Cl	D	D	D	D	D	D	D	D	A	A	A	D	D	D	A	A	A	A	C	C	C	C	
Vinyl ether	-	-	-	D	D	D	D	D	D	D	D	D	A	A	D	C	D	B	A	A	A	A	A	B	A	
Vinyl toluene	25013-15-4	-	C <sub>9</sub> H <sub>10</sub>	D	D	D	D	D	D	D	A	A	A	A	D	D	A	A	A	A	A	A	A	B	A	
Vinyl trichloride	79-00-5	201-166-9	C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	D	D	D	D	D	D	D	D	A	A	A	D	D	D	A	A	A	A	C	C	C	C	

## W

Water, fresh 82°C / 180 °F  
 Water, salt 82°C / 180°F  
 Whiskey, wines

A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A
B	A	A	A	C	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	C	B	C	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A

## X

Xylene

D	D	D	D	D	D	D	D	D	D	D	D	A	A	A	D	D	D	A	A	A	A	A	A	A	A
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## Z

Zeolites  
 Zinc acetate  
 Zinc carbonate  
 Zinc chloride  
 Zinc chromate  
 Zinc sulfate

A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C
B	B	A	A	A	B	B	A	A	A	B	B	A	A	A	B	A	A	B	A	A	A	A	B	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A



