

## 9. CHEMICAL RESISTANCE

The following table shows the chemical resistance of the materials used for the components of the fittings in contact with the fluid. The chemical resistance refers to a temperature of 20°C and to fittings not subject to mechanical stress.

The chemical resistance is shown by the following symbols. Where not indicated, no tests were performed.

S = Satisfactory resistance:  
can be used without any limitation.

L = Limited resistance:  
the substance may etch the material. It is necessary to reduce the pressure and operating temperature. The operating life of the fitting may be reduced.

NS = Resistance not satisfactory:  
the substance etches the material. The material cannot be used.

The concentration is expressed as mass percentage of the substance in an aqueous solution. In some cases it is indicated by the following symbols:

Dil.sol. = Diluted solution in concentrations up to 10%.

Sol. = Solution in concentrations up to 10% but not saturated.

Sat.sol. = Saturated solution.

tg = Pure substance.

tg-l = Pure substance in liquid state.

tg-g = Pure substance in gaseous state.

tg-s = Pure substance in solid state.

Work.sol. = Solution in the concentration usually used in the industry.

Susp. = Solid suspension in saturated solution.

## 9. RESISTÊNCIA QUÍMICA

Na tabela seguinte é indicada a resistência química dos materiais usados para os componentes das conexões em contacto com o fluido. É relativa à temperatura de 20°C para juntas não sujeitas a tensão mecânica.

A resistência química é indicada mediante os símbolos seguintes. Onde não é indicada não são efetuados testes.

S = Resistência satisfatória:  
podem ser usados sem restrições.

L = Resistência limitada:  
a substância pode afetar o material. A pressão e a temperatura de operação devem ser reduzidas. A vida útil da conexão pode ser reduzida.

NS = Resistência não satisfatória:  
a substância agride o material. A conexão não pode ser usada.

A concentração é expressa como percentagem da massa da substância em solução aquosa; em alguns casos, é indicada mediante a simbologia seguinte:

Dil.sol. = Solução aquosa diluída numa concentração não superior a 10%.

Sol. = Solução aquosa numa concentração superior a 10% mas não saturada.

Sat.sol. = Solução aquosa saturada.

tg = Substância pura.

tg-l = Substância pura no estado líquido.

tg-g = Substância pura no estado gasoso.

tg-s = Substância pura no estado sólido.

Work.sol. = Solução na concentração normalmente usada na indústria.

Susp. = Suspensão de sólido em solução saturada.

## 9. RESISTENCIA QUÍMICA

La siguiente tabla muestra la resistencia química de los materiales utilizados para los componentes de los racores en contacto con el fluido. Se refiere a la temperatura de 20°C para los racores no sometidos a esfuerzos mecánicos.

La resistencia química está indicada por medio de los símbolos siguientes. Donde no está indicada no han sido efectuadas pruebas.

S = Resistencia satisfactoria:  
pueden ser utilizados sin restricciones.

L = Resistencia limitada:  
la sustancia puede atacar al material. Se debe reducir la presión y la temperatura de funcionamiento. La duración en servicio del accesorio puede reducirse.

NS = Resistencia no satisfactoria:  
la sustancia perjudica al material. El accesorio no puede ser utilizado.

La concentración está expresada como porcentaje en masa de la sustancia en solución acuosa; en algunos casos está indicada por medio de los símbolos siguientes:

Dil.sol. = Solución acuosa diluida en concentración no superior al 10%.

Sol. = Solución acuosa en concentración superior al 10% pero no saturada.

Sat.sol. = Solución acuosa saturada.

tg = Sustancia pura.

tg-l = Sustancia pura en estado líquido.

tg-g = Sustancia pura en estado gaseoso.

tg-s = Sustancia pura en estado sólido.

Work.sol. = Solución en concentración usualmente utilizada en la industria.

Susp. = Suspensión de sólido en solución saturada.



CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Acetaldehyde	CH <sub>3</sub> -CHO	40%	L	NS	S	-
Acetaldehyde	CH <sub>3</sub> -CHO	100%	-	-	-	S
Acetanilide	CH <sub>3</sub> CONHC <sub>6</sub> H <sub>5</sub>	-	-	-	-	-
Acetic acid	CH <sub>3</sub> COOH	10%	S	S	S	S
Acetic acid	CH <sub>3</sub> COOH	60%	-	-	-	-
Acetic acid anhydride	CH <sub>3</sub> -CO-O-CO-CH <sub>3</sub>	tg-l	S	NS	S	-
Acetic acid, glacial	CH <sub>3</sub> COOH	>96%	-	-	-	L
Acetic Anhydride	CH <sub>3</sub> -CO-O-CO-CH <sub>3</sub>	100%	-	-	-	L
Acetone	CH <sub>3</sub> -CO-CH <sub>3</sub>	tg-l	S	NS	L	-
Acetone	CH <sub>3</sub> -CO-CH <sub>3</sub>	100%	-	-	-	S
Acrylonitrile	CH <sub>2</sub> =CH-CN	tg-l	S	NS	S	-
Acrylonitrile	CH <sub>2</sub> =CH-CN	100%	-	-	-	S
Adipic acid	HOOC-(CH <sub>2</sub> ) <sub>4</sub> -COOH	Sat.sol.	S	S	S	S
After shave lotion	-	-	-	-	-	-
Alcoholic spirits	-	40% ethyl alcohol	S	S	S	-
Aliphatic hydrocarbons	-	-	-	-	-	-
Allyl acetate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	-	-	-	-	-
Allyl alcohol	H <sub>2</sub> C=CH-CH <sub>2</sub> -OH	tg-l	S	S	S	-
Allyl alcohol	H <sub>2</sub> C=CH-CH <sub>2</sub> -OH	96%	-	-	-	L
Allyl chloride	CH <sub>2</sub> =CHCH <sub>2</sub> Cl	-	-	-	-	NS
Alum (Aluminium potassium sulphate)	-	-	-	-	-	-
Alum (Aluminium potassium sulphate)	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> K <sub>2</sub> SO <sub>4</sub> ·4H <sub>2</sub> O	Sol.	-	-	-	S
Aluminium potassium sulphate	K <sub>2</sub> SO <sub>4</sub> -Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ·12H <sub>2</sub> O	50%	S	S	S	-
Aluminium chloride	AlCl <sub>3</sub>	Sat.sol.	S	S	S	S
Aluminium fluoride	AlF <sub>3</sub>	Sat.sol.	-	-	-	-
Aluminium hydroxide	Al(OH) <sub>3</sub>	Sat.sol.	-	-	-	S
Aluminium nitrate	Al(NO <sub>3</sub> ) <sub>3</sub>	Sat.sol.	-	-	-	S
Aluminium oxychloride	AlClO	Sat.sol.	-	-	-	-
Aluminium sulphate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	Sat.sol.	S	S	S	S
Ammonia	NH <sub>3</sub>	tg-g	S	S	S	-
Ammonia, gas	NH <sub>3</sub>	100%	-	-	-	S
Ammonia, liquid	NH <sub>3</sub>	100%	-	-	-	S
Ammonium acetate	CH <sub>3</sub> COONH <sub>4</sub>	Sat.sol.	S	S	S	-
Ammonium acetate	CH <sub>3</sub> COONH <sub>4</sub>	-	-	-	-	S
Ammonium carbonate	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	50%	S	S	S	-
Ammonium carbonate	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	Sat.sol.	-	-	-	S
Ammonium chloride	NH <sub>4</sub> Cl	Sat.sol.	S	S	S	S
Ammonium hexafluorosilicate	H <sub>6</sub> F <sub>6</sub> N <sub>2</sub> Si	Sat.sol.	-	-	-	-
Ammonium fluoride	NH <sub>4</sub> F	Sol.	-	-	-	S
Ammonium hydrogen carbonate	(NH <sub>4</sub> )HCO <sub>3</sub>	Sat.sol.	-	-	-	-
Ammonium hydroxide	NH <sub>4</sub> OH	Susp.	S	S	S	-
Ammonium hydroxide	NH <sub>4</sub> OH	30%	-	-	-	S
Ammonium metaphosphate	(NH <sub>4</sub> ) <sub>4</sub> P <sub>4</sub> O <sub>12</sub>	Sat.sol.	-	-	-	S
Ammonium nitrate	NH <sub>4</sub> NO <sub>3</sub>	Sat.sol.	S	S	S	S
Ammonium oxalate	(NH <sub>4</sub> ) <sub>2</sub> C <sub>2</sub> O <sub>4</sub> · H <sub>2</sub> O	Sat.Sol.	-	-	-	-
Ammonium persulfate	(NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	Sat.Sol.	-	-	-	S
Ammonium phosphate	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>	Sat.sol.	S	S	S	S
Ammonium sulphate	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Sat.sol.	S	S	S	S
Ammonium sulphide	(NH <sub>4</sub> ) <sub>2</sub> S	Sat.sol.	S	S	S	S
Ammonium thiocyanate	NH <sub>4</sub> SCN	Sat.sol.	-	-	-	-
Amyl acetate	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> -OOCCH <sub>3</sub>	100%	-	-	-	L
Amyl alcohol	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> -CH <sub>2</sub> -OH	100%	-	-	-	S
Amyl chloride	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> Cl	100%	-	-	-	NS
Aniline	C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub>	100%	-	-	-	NS
Antimony trichloride	SbCl <sub>3</sub>	Sat.sol.	S	NS	S	-
Antimony trichloride	SbCl <sub>3</sub>	Sol.	-	-	-	S
Apple juice	-	-	-	-	-	-
Aqua regia	HNO <sub>3</sub> +HCl	-	NS	NS	NS	-
Aqua regia	HNO <sub>3</sub> +3HCl	-	-	-	-	NS
Aromatic hydrocarbons	-	-	-	-	-	NS
Arsenic acid	H <sub>3</sub> AsO <sub>4</sub>	80%	S	S	-	-
Arsenic acid	H <sub>3</sub> AsO <sub>4</sub>	Sat.sol.	-	-	S	S

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Barium bromide	BaBr <sub>2</sub>	Sat. Sol.	-	-	-	S
Barium carbonate	BaCO <sub>3</sub>	Sat. Sol.	-	-	-	S
Barium chloride	BaCl <sub>2</sub>	Sat. Sol.	-	-	-	S
Barium hydroxide	Ba(OH) <sub>2</sub>	Sat.sol.	S	S	S	S
Barium salts		Sat.sol.	S	S	S	-
Barium sulphate	BaSO <sub>4</sub>	Sat. Sol.	-	-	-	S
Barium sulphide	BaS	Sat. Sol.	-	-	-	S
Battery acid	H <sub>2</sub> SO <sub>4</sub>	40%	S	L	S	-
Beef tallow emulsion, sulphonated		Work.sol.	S	S	S	-
Beer		Work.sol.	S	S	S	-
Beer		-	-	-	-	S
Benzaldehyde	C <sub>6</sub> H <sub>5</sub> -COH	Sat.sol.	-	L	S	-
Benzaldehyde	C <sub>6</sub> H <sub>5</sub> -COH	100%	-	-	-	S
Benzene	C <sub>6</sub> H <sub>6</sub>	tg-l	L	L	L	-
Benzene	C <sub>6</sub> H <sub>6</sub>	100%	-	-	-	NS
Benzine	C <sub>6</sub> H <sub>12</sub> to C <sub>12</sub> H <sub>26</sub>	Work.sol.	L	S	NS	-
Benzoic acid	C <sub>6</sub> H <sub>5</sub> -COOH	Sat.sol.	S	S	S	NS
Benzoyl chloride	C <sub>6</sub> H <sub>5</sub> COCl	-	-	-	-	-
Benzyl alcohol	C <sub>6</sub> H <sub>5</sub> -CH <sub>2</sub> OH	tg-l	S	NS	S	-
Benzyl alcohol	C <sub>6</sub> H <sub>5</sub> -CH <sub>2</sub> OH	-	-	-	-	NS
Bitumen		-	-	-	-	-
Bleach lye		10%	-	-	-	S
Borax	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	Sol.	S	S	S	-
Borax	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	Sat. Sol.	-	-	-	S
Boric acid	H <sub>3</sub> BO <sub>3</sub>	Sat.sol.	S	S	S	S
Brine		-	-	-	-	-
Brine, see water			S	S	S	-
Bromine, gas	Br <sub>2</sub>	tg-g	NS	NS	NS	-
Bromine, gas	Br <sub>2</sub>	100%	-	-	-	NS
Bromine, liquid	Br <sub>2</sub>	tg-l	NS	NS	NS	-
Bromine, liquid	Br <sub>2</sub>	100%	-	-	-	NS
Bromine, water		Sat.sol.	NS	NS	NS	-
Bromoform	CHBr <sub>3</sub>	100%	-	-	-	-
Butadiene	CH <sub>2</sub> =CH-CH=CH <sub>2</sub>	-	-	-	-	NS
Butadiene, gas	H <sub>2</sub> C=CH-CH=CH <sub>2</sub>	tg-g	S	NS	S	-
Butandiol	HO-(CH <sub>2</sub> ) <sub>4</sub> -OH	100%	-	-	-	-
Butane, gas	C <sub>4</sub> H <sub>10</sub>	tg-g	S	S	S	-
Butanediol	HO-(CH <sub>2</sub> ) <sub>4</sub> -OH	10%	S	S	S	-
Butanol	C <sub>4</sub> H <sub>9</sub> OH	tg-l	S	S	S	-
Butter		-	-	-	-	-
Butyl acetate	CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	tg-l	L	NS	S	-
Butyl acetate	CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	100%	-	-	-	L
Butyl alcohol	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> OH	100%	-	-	-	S
Butylene glycol	HO-CH <sub>2</sub> -CH=CH-CH <sub>2</sub> -OH	tg-l	S	NS	S	-
Butylene glycol	HO-CH <sub>2</sub> -CH=CH-CH <sub>2</sub> -OH	100%	-	-	-	S
Butyric acid	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> COOH	100%	-	-	-	L
Calcium arsenate	Ca <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	-	-	-	-	-
Calcium bisulphite	Ca(HSO <sub>3</sub> ) <sub>2</sub>	Sat.sol.	-	NS	-	-
Calcium bromide	CaBr <sub>2</sub>	Sat. Sol.	-	-	-	-
Calcium carbonate	CaCO <sub>3</sub>	Sat. Sol.	-	-	-	S
Calcium chlorate	Ca(ClO <sub>3</sub> ) <sub>2</sub>	Sat. Sol.	-	-	-	S
Calcium chloride	CaCl <sub>2</sub>	Sat.sol.	S	S	S	S
Calcium cyanide	Ca(CN) <sub>2</sub>	-	-	-	-	-
Calcium hydroxide	Ca(OH) <sub>2</sub>	Sat.sol.	S	S	S	S
Calcium hypochlorite	Ca(OCl) <sub>2</sub>	Sol.	S	S	S	S
Calcium nitrate	Ca(NO <sub>3</sub> ) <sub>2</sub>	Sol.	S	S	S	-
Calcium nitrate	Ca(NO <sub>3</sub> ) <sub>2</sub>	Sat. Sol.	-	-	-	S
Calcium oxide	CaO	Sat. Sol.	-	-	-	-
Calcium sulphate	CaSO <sub>4</sub>	Sat. Sol.	-	-	-	S
Calcium sulphide	CaS	Dil. Sol.	-	-	-	S
Camphor oil		-	-	-	-	NS
Carbon dioxide	CO <sub>2</sub>	100%	-	-	-	S

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Carbon dioxide, aqueous sol.	CO <sub>2</sub>	Sat.sol.	S	S	S	-
Carbon dioxide, gas	CO <sub>2</sub>	tg-g	S	S	S	-
Carbon disulphide	CS <sub>2</sub>	tg-l	S	NS	L	-
Carbon disulphide	CS <sub>2</sub>	100%	-	-	-	NS
Carbon monoxide	CO	100%	-	-	-	S
Carbon monoxide, gas	CO	tg-g	S	-	S	-
Carbon tetrachloride	CCl <sub>4</sub>	tg-l	NS	NS	L	-
Carbon tetrachloride	CCl <sub>4</sub>	100%	-	-	-	NS
Carbonic acid	H <sub>2</sub> CO <sub>3</sub>	-	-	-	-	S
Carrot juice		-	-	-	-	-
Castor oil		Sol.	-	-	-	L
Caustic potash solution	KOH	50%	S	L	S	-
Caustic soda solution	NaOH	40%	S	S	S	-
Caustic soda solution	NaOH	50%	S	L	S	-
Chlorine, acqueous	Cl <sub>2</sub>	Sat. Sol.	-	-	-	L
Chlorine, gas	Cl <sub>2</sub>	tg-l	NS	NS	-	-
Chlorine, gas	Cl <sub>2</sub>	tg-g	-	-	L	-
Chlorine, water	Cl <sub>2</sub>	Sat.sol.	S	NS	L	-
Chlorine, water	Cl <sub>2</sub>	Sat.sol.	-	-	-	-
Chloroacetic acid, mono	ClCH <sub>2</sub> COOH	Sol.	S	NS	S	-
Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	100%	-	-	-	NS
Chloroform	CHCl <sub>3</sub>	tg-l	L	NS	NS	-
Chloroform	CHCl <sub>3</sub>	100%	-	-	-	NS
Chloromethane, gas	CH <sub>3</sub> Cl	100%	-	-	-	L
Chlorosulphonic acid	ClSO <sub>3</sub> H	tg-s	NS	NS	NS	-
Chlorosulphonic acid	ClHO <sub>3</sub> S	100%	-	-	-	NS
Chlorine, dry gas	Cl <sub>2</sub>	100%	-	-	-	NS
Chrome alum (chromium potassium sulphate)	HCr(SO <sub>4</sub> ) <sub>2</sub>	Sol.	S	S	S	-
Chromic acid	CrO <sub>3</sub> +H <sub>2</sub> O	20%	-	-	-	L
Chromic acid	CrO <sub>3</sub> +H <sub>2</sub> O	50%	-	-	-	NS
Cider			S	S	S	S
Citric acid	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	10%	S	S	-	-
Citric acid	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	Sat.sol.	-	-	S	-
Citric acid	C <sub>3</sub> H <sub>4</sub> (OH)(COOH) <sub>3</sub>	Sat. Sol.	-	-	-	-
Citric acid	C <sub>3</sub> H <sub>4</sub> (OH)(COOH) <sub>3</sub>	10%	-	-	-	S
Citric acid	C <sub>3</sub> H <sub>4</sub> (OH)(COOH) <sub>3</sub>	25%	-	-	-	S
Coal gas, benzene free			S	S	S	-
Coconut fat alcohol		Work.sol.	S	S	S	-
Coconut oil		Work.sol.	S	S	S	-
Coffee		-	-	-	-	-
Compressed air containing oil			L	S	S	-
Cooking salt	see Sodium chloride		-	-	-	-
Copper chloride	CuCl <sub>2</sub>	Sat. Sol.	-	-	-	S
Copper cyanide	Cu(CN) <sub>2</sub>	Sat. Sol.	-	-	-	S
Copper fluoride	CuF <sub>2</sub>	Sat. Sol.	-	-	-	S
Copper nitrate	Cu(NO <sub>3</sub> ) <sub>2</sub>	Sat. Sol.	-	-	-	S
Copper salts		Sat.sol.	S	S	S	-
Copper sulphate	CuSO <sub>4</sub>	Sat. Sol.	-	-	-	S
Corn oil		Work.sol.	S	S	S	-
Corn oil		-	-	-	-	L
Cottonseed oil		-	-	-	-	NS
Cresol	HO-C <sub>6</sub> H <sub>4</sub> -CH <sub>3</sub>	tg-l	S	L	S	-
Cresylic acid	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> COOH	Sat. Sol.	-	-	-	-
Crotonic aldehyde	CH <sub>3</sub> -CH=CH-CHO	Sat.sol.	S	S	S	-
Cyclohexane	C <sub>6</sub> H <sub>10</sub>	tg-l	S	S	S	-
Cyclohexane	C <sub>6</sub> H <sub>12</sub>	-	-	-	-	NS
Cyclohexanol	C <sub>6</sub> H <sub>10</sub> -OH	Sat.sol.	S	L	S	-
Cyclohexanol	C <sub>6</sub> H <sub>11</sub> OH	100%	-	-	-	NS
Cyclohexanone	C <sub>6</sub> H <sub>10</sub> =O	tg-l	L	NS	S	-
Cyclohexanone	C <sub>6</sub> H <sub>10</sub> =O	100%	-	-	-	L
Decalin	C <sub>10</sub> H <sub>18</sub>	100%	-	-	-	NS

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Decane	C <sub>10</sub> H <sub>22</sub>	-	-	-	-	-
Detergents		-	-	-	-	S
Detergents (washing powder)		Work.sol.	S	S	S	-
Dextrina		Sol.	-	-	-	S
Dextrine (starch gum)		Work.sol.	S	S	S	-
Dextrose	see Glucose		-	-	-	-
Diacetone alcohol	(CH <sub>3</sub> ) <sub>2</sub> COHCH <sub>2</sub> COCH <sub>3</sub>	-	-	-	-	S
Dibuhtyl ether	[CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> O]	-	-	-	-	NS
Dibutyl amine	(C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> NH	-	-	-	-	NS
Dibutylphthalate	C <sub>6</sub> H <sub>4</sub> (COOC <sub>4</sub> H <sub>9</sub> ) <sub>2</sub>	-	-	-	-	L
Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	-	-	-	-	NS
Dichloroethylene	CHCl=CHCl	-	-	-	-	NS
Diesel oil			L	S	S	NS
Diethyl ether	C <sub>2</sub> H <sub>5</sub> OC <sub>2</sub> H <sub>5</sub>	100%	-	-	-	NS
Diethyl ketone	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> CO	-	-	-	-	-
Diethylene glycol	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	-	-	-	-	-
Diglycolic acid	HOOCCH <sub>2</sub> OCH <sub>2</sub> COOH	-	-	-	-	S
Diisobutylketone	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> COCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	100%	-	-	-	L
Dimethyl formamid	HCON(CH <sub>3</sub> ) <sub>2</sub>	-	-	-	-	L
Diocetyl phthalate	C <sub>6</sub> H <sub>4</sub> (COOC <sub>8</sub> H <sub>17</sub> ) <sub>2</sub>	100%	-	-	-	L
Dioxane	(CH <sub>2</sub> ) <sub>4</sub> O <sub>2</sub>	100%	-	-	-	S
Ethyl acetate	CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>3</sub>	100%	-	-	-	L
Ethyl acrylate	CH <sub>2</sub> =CHCOOCH <sub>2</sub> CH <sub>3</sub>	100%	-	-	-	L
Ethyl alcohol	CH <sub>3</sub> -CH <sub>2</sub> -OH	tg-l	S	S	S	-
Ethyl alcohol	CH <sub>3</sub> -CH <sub>2</sub> -OH	100%	-	-	-	S
Ethyl alcohol + acetic acid (fermentation mixture)		Work.sol.	S	L	S	-
Ethyl benzene	C <sub>6</sub> H <sub>5</sub> -CH <sub>2</sub> -CH <sub>3</sub>	tg-l	L	NS	-	-
Ethyl benzene	C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>5</sub>	-	-	-	-	NS
Ethyl chloride	CH <sub>3</sub> -CH <sub>2</sub> Cl	tg-g	L	NS	L	-
Ethyl chloride	CH <sub>3</sub> -CH <sub>2</sub> Cl	100%	-	-	-	NS
Ethyl eter	CH <sub>3</sub> CH <sub>2</sub> -O-CH <sub>2</sub> CH <sub>3</sub>	tg-l	S	NS	L	-
Ethyl ether	CH <sub>3</sub> -CH <sub>2</sub> -O-CH <sub>2</sub> -CH <sub>3</sub>	-	-	-	-	NS
Ethylene chloride	ClCH <sub>2</sub> -CH <sub>2</sub> Cl	tg-l	L	L	L	-
Ethylene chlorohydrin	ClCH <sub>2</sub> CH <sub>2</sub> OH	100%	-	-	-	NS
Ethylene diamine	NH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	100%	-	-	-	S
Ethylene glycol	HO-CH <sub>2</sub> -CH <sub>2</sub> -OH	tg-l	S	S	S	-
Ethylene glycol	HO-CH <sub>2</sub> -CH <sub>2</sub> -OH	100%	-	-	-	S
Ferric chloride	FeCl <sub>3</sub>	Sat. Sol.	-	-	-	S
Ferric nitrate	Fe(NO <sub>3</sub> ) <sub>3</sub>	Sat. Sol.	-	-	-	S
Ferric sulphate	Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	Sat. Sol.	-	-	-	S
Ferrous chloride	FeCl <sub>2</sub>	Sat. Sol.	-	-	-	S
Ferrous sulphate	FeSO <sub>4</sub>	Sat. Sol.	-	-	-	S
Fertilizer salts		Work.sol.	S	S	S	-
Fluorine	F <sub>2</sub>	tg-g	NS	NS	NS	-
Fluorine, gas dry	F <sub>2</sub>	100%	-	-	-	NS
Fluoroboric acid	HF <sub>3</sub>	-	-	-	-	S
Fluosilicic acid	H <sub>2</sub> SiF <sub>6</sub>	32%	S	L	S	L
Formaldehyde	HCHO	40%	S	S	S	-
Formaldehyde	CH <sub>2</sub> O	10-30%	-	-	-	S
Formaldehyde	CH <sub>2</sub> O	30-40%	-	-	-	S
Formamide	HCONH <sub>2</sub>	tg-l	S	S	S	-
Formic acid	HCOOH	50%	S	NS	S	-
Formic acid	HCOOH	40%	-	-	-	S
Formic acid	HCOOH	100%	-	-	-	S
Frigen 12 (Freon 12)	CF <sub>2</sub> Cl <sub>2</sub>	Work.sol.	NS	L	NS	-
Fructose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Sat. Sol.	-	-	-	S
Fruit juice		Work.sol.	S	S	S	-
Fruit pulp		Work.sol.	S	S	S	-
Fuel oil (Gasoline)		Work.sol.	L	S	L	-
Furfural	C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	100%	-	-	-	S
Furfuryl alcohol	C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>	100%	-	-	-	L
Gallic acid	(OH) <sub>3</sub> C <sub>6</sub> H <sub>2</sub> COOH	Sat. Sol.	-	-	-	S

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Gasoline		-	-	-	-	NS
Gelatine		Sol.	S	S	S	-
Glucose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Sol.	S	S	S	-
Glucose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Sat. Sol.	-	-	-	S
Glycerine	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	tg-l	S	S	S	-
Glycerine	C <sub>3</sub> H <sub>8</sub> (OH) <sub>3</sub>	Sat. Sol.	-	-	-	S
Glycocoll	NH <sub>2</sub> -CH <sub>2</sub> -COOH	10%	S	S	S	-
Glycol	see Ethylene glycol		-	-	S	-
Glycolic acid	NO-CH <sub>2</sub> -COOH	37%	S	S	-	-
Glycolic acid	NO-CH <sub>2</sub> -COOH	Sol.	-	-	-	S
Grape juice		-	-	-	-	-
Heptane	C <sub>7</sub> H <sub>16</sub>	tg-l	S	S	S	-
Heptane	C <sub>7</sub> H <sub>16</sub>	100%	-	-	-	NS
Hexane	C <sub>6</sub> H <sub>14</sub>	tg-l	S	S	S	-
Hexane	C <sub>6</sub> H <sub>14</sub>	-	-	-	-	NS
Hydrobromic acid	HBr	50%	S	L	S	S
Hydrobromic acid	HBr	100%	-	-	-	-
Hydrochloric acid	HCl	10%	S	L	S	S
Hydrochloric acid	HCl	20%	-	-	-	S
Hydrochloric acid	HCl	30%	-	-	-	S
Hydrochloric acid	HCl	36%	-	-	-	S
Hydrocyanic acid	HCN	tg-l	S	L	S	-
Hydrocyanic acid	HCN	Sat. Sol.	-	-	-	L
Hydrofluoric acid	HF	40%	S	NS	S	NS
Hydrofluoric acid	HF	60%	-	-	-	NS
Hydrogen	H	tg-g	S	S	S	-
Hydrogen	H <sub>2</sub>	100%	-	-	-	S
Hydrogen chloride	HCl	tg-g	S	L	S	-
Hydrogen peroxide	H <sub>2</sub> O <sub>2</sub>	10%	S	L	S	-
Hydrogen peroxide	H <sub>2</sub> O <sub>2</sub>	30%	-	-	-	L
Hydrogen peroxide	H <sub>2</sub> O <sub>2</sub>	90%	-	-	-	L
Hydrogen sulphide	H <sub>2</sub> S	Sat.sol.	S	L	S	-
Hydrogen sulphide, gas	H <sub>2</sub> S	100%	-	-	-	S
Hydroquinone	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	Sat. Sol.	-	-	-	S
Hydroxylamine sulphate	(H <sub>2</sub> NOH) <sub>2</sub> H <sub>2</sub> SO <sub>4</sub>	Sat.sol.	S	S	S	-
Ink		-	-	-	-	-
Iodine (in alcohol)	I <sub>2</sub>	-	-	-	-	-
Iodine (in potassium solution)	I <sub>2</sub>	-	-	-	-	-
Iodine solution		6.5% iodine in ethanol	S	S	S	-
Iron salts		Sat.sol.	S	S	S	-
Iso-octane	(CH <sub>3</sub> ) <sub>3</sub> -C-CH <sub>2</sub> -CH-(CH <sub>3</sub> ) <sub>2</sub>	tg-l	L	S	S	-
Iso-octane	C <sub>8</sub> H <sub>18</sub>	100%	-	-	-	NS
Iso-pentane	C <sub>5</sub> H <sub>12</sub>	-	-	-	-	-
Isopropanol	CH <sub>3</sub> CH(OH)CH <sub>3</sub>	-	-	-	-	-
Isopropyl alcohol	(CH <sub>3</sub> ) <sub>2</sub> CHOH	tg-l	S	S	S	-
Isopropyl ether	(CH <sub>3</sub> ) <sub>2</sub> -CH-O-CH-(CH <sub>3</sub> ) <sub>2</sub>	tg-l	L	NS	L	-
Isopropyl ether	(CH <sub>3</sub> ) <sub>2</sub> -CH-O-CH-(CH <sub>3</sub> ) <sub>2</sub>	100%	-	-	-	NS
Kerosene		-	-	-	-	NS
Lactic acid	CH <sub>3</sub> CHOHCOOH	10%	S	NS	S	L
Lactic acid	CH <sub>3</sub> CHOHCOOH	100%	-	-	-	-
Lanolin		Work.sol.	S	S	S	-
Lead acetate	Pb(CH <sub>3</sub> COO) <sub>2</sub>	Sat.sol.	S	S	S	S
Linseed oil		Work.sol.	S	S	S	-
Liqueurs			S	S	S	-
Lubricating oils			L	S	S	-
Lubricating oils free of aromatic compounds			S	S	S	-
Magnesium carbonate	MgCO <sub>3</sub>	Sat. Sol.	-	-	-	S
Magnesium chloride	MgCl <sub>2</sub>	Sat. Sol.	-	-	-	S
Magnesium hydroxide	Mg(OH) <sub>2</sub>	Sat. Sol.	-	-	-	S
Magnesium nitrate	Mg(NO <sub>3</sub> ) <sub>2</sub>	Sat. Sol.	-	-	-	S
Magnesium salts	MgCl <sub>2</sub>	Sat.sol.	S	S	S	-
Magnesium sulphate	MgSO <sub>4</sub>	Sat. Sol.	-	-	-	S

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Maleic acid	HOOC-CH=CH-COOH	Sat. Sol.	-	-	-	L
Marmelade			S	S	S	-
Mercuric chloride	HgCl <sub>2</sub>	Sat. Sol.	-	-	-	S
Mercuric cyanide	Hg(CN) <sub>2</sub>	Sat. Sol.	-	-	-	S
Mercurous nitrate	HgNO <sub>3</sub>	Sol.	-	-	-	S
Mercury	Hg	tg-l	S	S	S	-
Mercury	Hg	100%	-	-	-	S
Mercury salts		Sat.sol.	S	L	S	-
Methane (natural gas)	CH <sub>4</sub>	tg-g	S	S	S	-
Methanol (methyl alcohol)	CH <sub>3</sub> OH	tg-l	S	S	S	-
Methyl acetate	CH <sub>3</sub> COOCH <sub>3</sub>	tg-l	S	NS	S	-
Methyl alcohol	CH <sub>3</sub> OH	100%	-	-	-	S
Methyl amine	CH <sub>3</sub> NH <sub>2</sub>	32%	S	NS	S	-
Methyl bromide	CH <sub>3</sub> Br		NS	NS	-	-
Methyl bromide	CH <sub>3</sub> Br	Tg	-	-	L	-
Methyl bromide	CH <sub>3</sub> Br	100%	-	-	-	NS
Methyl chloride	CH <sub>3</sub> Cl	tg-g	NS	NS	L	-
Methyl chloride	CH <sub>3</sub> Cl	100%	-	-	-	L
Methyl ethyl ketone	CH <sub>3</sub> COC <sub>2</sub> H <sub>5</sub>	tg-l	S	NS	S	-
Methyl ethyl ketone	CH <sub>3</sub> COC <sub>2</sub> H <sub>5</sub>	100%	-	-	-	S
Methylene chloride	CH <sub>2</sub> Cl <sub>2</sub>	-	-	-	-	NS
Milk			S	S	-	S
Milk		work. sol.	-	-	S	-
Mineral oil		-	-	-	-	NS
Mineral water			S	S	S	-
Molasses			S	S	S	S
Molasses wort			S	S	S	-
Mowilith D		Work.sol.	S	S	S	-
Naphtha		-	-	-	-	NS
Naphthalene		tg-l	S	S	S	-
Naphthalene	C <sub>10</sub> H <sub>8</sub>	-	-	-	-	NS
Nickel chloride	NiCl <sub>2</sub>	Sat. Sol.	-	-	-	S
Nickel nitrate	Ni(NO <sub>3</sub> ) <sub>2</sub>	Sat. Sol.	-	-	-	S
Nickel salts		Sat.sol.	S	S	S	-
Nickel sulphate	NiSO <sub>4</sub>	Sat. Sol.	-	-	-	S
Nicotine	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	Dil. Sol.	-	-	-	-
Nicotinic acid	C <sub>5</sub> H <sub>7</sub> NCOOH	Dil. Sol.	-	-	-	S
Nitric acid	HNO <sub>3</sub>	25%	-	-	-	S
Nitric acid	HNO <sub>3</sub>	50%	-	-	-	-
Nitric acid	HNO <sub>3</sub>	70%	-	-	-	NS
Nitric acid	HNO <sub>3</sub>	95%	-	-	-	-
Nitric acid	HNO <sub>3</sub>	100%	-	-	-	NS
Nitric acid	NHO <sub>3</sub>	6,3%	S	NS	-	-
Nitric acid	NHO <sub>3</sub>	25%	-	-	S	-
Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	100%	-	-	-	NS
Nitrotoluene	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> NO <sub>2</sub>	-	-	-	-	NS
Oleic acid	C <sub>17</sub> H <sub>33</sub> COOH	tg-l	S	L	S	-
Oleic acid	C <sub>17</sub> H <sub>33</sub> COOH	100%	-	-	-	NS
Oleum	H <sub>2</sub> SO <sub>4</sub> +SO <sub>3</sub>		NS	NS	-	-
Oleum	H <sub>2</sub> SO <sub>4</sub> +SO <sub>3</sub>	10 SO3	-	-	NS	-
Oleum	H <sub>2</sub> SO <sub>4</sub> +10%SO <sub>3</sub>	-	-	-	-	NS
Oleum	H <sub>2</sub> SO <sub>4</sub> +50%SO <sub>3</sub>	-	-	-	-	NS
Olive oil			S	S	S	NS
Oxalic acid	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	Sat.sol.	S	L	S	-
Oxalic acid	HOCCOOH	Sat. Sol.	-	-	-	L
Oxygen	O <sub>2</sub>	tg-g	S	NS	S	-
Oxygen	O <sub>2</sub>	100%	-	-	-	S
Ozone	O <sub>3</sub>	tg-g	-	NS	L	-
Ozone	O <sub>3</sub>	100%	-	-	-	S
Palm oil, palm nut oil			S	S	S	-
Paraffin emulsion		Work.sol.	S	S	S	-

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Paraffin oil		Work.sol.	S	S	S	-
Paraffin oil		-	-	-	-	NS
Pentane	C <sub>5</sub> H <sub>12</sub>	-	-	-	-	-
Perchloric acid	HClO <sub>4</sub>	20%	-	-	-	-
Perchloric acid	HClO <sub>4</sub>	50%	-	-	-	-
Perchloric acid	HClO <sub>4</sub>	70%	-	-	-	S
Petroleum		Work.sol.	S	S	S	-
Petroleum ether		Work.sol.	L	L	S	-
Petroleum jelly		Work.sol.	S	S	L	-
Phenol	C <sub>6</sub> H <sub>5</sub> -OH	10%	S	NS	-	-
Phenol	C <sub>6</sub> H <sub>5</sub> -OH	Sol.	-	-	S	L
Phenylhydrazine	C <sub>6</sub> H <sub>5</sub> -NH-NH <sub>2</sub>	tg-l	L	NS	L	-
Phenylhydrazine hydrochloride	C <sub>6</sub> H <sub>5</sub> -NH-NH <sub>3</sub> +Cl-	Dil.sol.	S	L	-	-
Phenylhydrazine hydrochloride	C <sub>6</sub> H <sub>5</sub> -NH-NH <sub>3</sub> +Cl-	Dil.sol.	-	-	-	-
Phosgene	COCl <sub>2</sub>	tg-l	L	L	-	-
Phosphoric acid	COCl <sub>2</sub>	50%	S	L	S	-
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	25%	-	-	-	S
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	50%	-	-	-	S
Phosphorous pentoxide	P <sub>2</sub> O <sub>5</sub>	100%	-	-	-	S
Phosphorous trichloride	PCl <sub>3</sub>	100%	-	-	-	S
Phosphorus chlorides	PCl <sub>3</sub>	tg-l	S	NS	S	-
Phosphorus pentoxide	P <sub>2</sub> O <sub>5</sub>	tg-l	S	L	S	-
Photographic developer		Work.sol.	S	L	S	-
Photographic emulsion			S	L	S	-
Photographic fixer		Work.sol.	S	S	S	-
Photography solutions		-	-	-	-	S
Phtalic acid	COOH-C <sub>6</sub> H <sub>4</sub> -COOH	Sat.sol.	S	NS	S	-
Phthalic acid	C <sub>6</sub> H <sub>4</sub> (COOH) <sub>2</sub>	50%	-	-	-	S
Potash (potassium carbonate)	K <sub>2</sub> CO <sub>3</sub>	Sat.sol.	S	S	S	-
Potassium aluminium sulphate	K <sub>2</sub> SO <sub>4</sub> -Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ·12H <sub>2</sub> O	50%	S	S	-	-
Potassium aluminium sulphate	K <sub>2</sub> SO <sub>4</sub> -Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ·12H <sub>2</sub> O	Sat.sol.	-	-	S	-
Potassium bicarbonate	KHCO <sub>3</sub>	Sat. Sol.	-	-	-	S
Potassium bichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	Sat.sol.	S	S	S	-
Potassium borate	K <sub>3</sub> BO <sub>3</sub>	10%	S	S	-	-
Potassium borate	K <sub>3</sub> BO <sub>3</sub>	Sat.sol.	-	-	S	S
Potassium bromate	KBrO <sub>3</sub>	Sat.sol.	S	S	S	S
Potassium bromide	KBr	Sat.sol.	S	S	S	S
Potassium carbonate	K <sub>2</sub> CO <sub>3</sub>	Sat.sol.	S	S	S	S
Potassium chlorate	KClO <sub>3</sub>	Sat.sol.	S	S	S	S
Potassium chloride	KCl	Sat.sol.	S	S	S	S
Potassium chromate	K <sub>2</sub> CrO <sub>4</sub>	Sat.sol.	S	S	S	S
Potassium cyanide	KCN	Sat.sol.	S	S	-	-
Potassium cyanide	KCN	Sol.	-	-	S	-
Potassium hydroxide	KOH	50%	S	L	S	-
Potassium Hydroxide	KOH	10%	-	-	-	S
Potassium Hydroxide	KOH	Sol.	-	-	-	S
Potassium iodide	KJ	Sat.sol.	S	S	S	-
Potassium nitrate	KNO <sub>3</sub>	50%	S	S	S	-
Potassium perchlorate	KClO <sub>4</sub>	Sat.sol.	S	S	S	S
Potassium permanganate	KMnO <sub>4</sub>	Sat.sol.	S	L	S	-
Potassium permanganate	KMnO <sub>4</sub>	20%	-	-	-	S
Potassium persulphate	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	Sat.sol.	S	NS	S	S
Potassium phosphates	KH <sub>2</sub> PO <sub>4</sub> ; K <sub>2</sub> HPO <sub>4</sub>	Sat.sol.	S	S	S	-
Potassium sulphate	K <sub>2</sub> SO <sub>4</sub>	Sat.sol.	S	S	S	S
Propane	C <sub>3</sub> H <sub>8</sub>	tg-l ; tg-g	S	S	S	-
Propanol, n- and iso-	C <sub>3</sub> H <sub>7</sub> OH	tg-l	S	L	S	-
Proparcl alcohol	CH≡C-CH <sub>2</sub> -OH	7%	S	S	S	-
Propionic acid	CH <sub>3</sub> CH <sub>2</sub> COOH	50%	S	NS	S	S
Propionic acid	CH <sub>3</sub> CH <sub>2</sub> COOH	100%	-	-	-	S
Propyl alcohol	C <sub>3</sub> H <sub>7</sub> OH	-	-	-	-	S
Propylene glycol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	tg-l	S	S	S	-
Propylene glycol	CH <sub>3</sub> CHOHCH <sub>2</sub> OH	-	-	-	-	S

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Pyridine	C <sub>5</sub> H <sub>5</sub> N	tg-l	L	NS	S	-
Pyridine	C <sub>5</sub> H <sub>5</sub> N	100%	-	-	-	NS
Salpetre	KNO <sub>3</sub>	50%	S	S	S	-
Sea water		-	-	-	-	S
Silicon oil		-	S	S	S	L
Silver nitrate	AgNO <sub>3</sub>	Sat.sol.	-	-	-	S
Silver salts	AgNO <sub>3</sub>	Sat.sol.	S	S	S	-
Soap		Sol.	S	S	S	-
Soda	Na <sub>2</sub> CO <sub>3</sub>	Sat.sol.	S	S	S	-
Sodium Hydroxide	NaOH	Sol.	-	-	-	S
Sodium Hydroxide	NaOH	40%	-	-	-	S
Sodium acetate	CH <sub>3</sub> COONa	Sat.sol.	S	S	S	S
Sodium benzoate	C <sub>6</sub> H <sub>5</sub> -COONa	Sat.sol.	S	S	S	S
Sodium bicarbonate	NaHCO <sub>3</sub>	Sat.sol.	S	S	S	S
Sodium bisulphate	NaHSO <sub>4</sub>	10%	S	S	S	-
Sodium bisulphate	NaHSO <sub>4</sub>	Sat. Sol.	-	-	-	S
Sodium bisulphite	NaHSO <sub>3</sub>	Sat.sol.	S	L	S	S
Sodium borate	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	-	-	-	-	S
Sodium bromate	NaBrO <sub>3</sub>	Sat.sol.	S	S	S	-
Sodium bromide	NaBr	Sat.sol.	S	S	S	-
Sodium carbonate	Na <sub>2</sub> CO <sub>3</sub>	Sat.sol.	S	S	S	S
Sodium chlorate	NaClO <sub>3</sub>	Sat.sol.	S	S	S	S
Sodium chloride	NaCl	Sat. Sol.	-	-	-	S
Sodium chloride (cooking salt)	NaCl	Sat.sol.	S	S	S	-
Sodium chlorite	NaClO <sub>2</sub>	Dil.sol.	S	NS	S	-
Sodium chromate	Na <sub>2</sub> CrO <sub>4</sub>	Dil.sol.	S	S	S	-
Sodium cyanide	NaCN	Sat. Sol.	-	-	-	S
Sodium disulphite	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Sat.sol.	S	L	S	-
Sodium dithionite (hyposulphite)	Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	10%	S	S	S	-
Sodium fluoride	NaF	Sat. Sol.	S	S	S	S
Sodium hydroxide	NaOH	40%	S	S	-	-
Sodium hydroxide	NaOH	40% Cl	-	-	S	-
Sodium hypochlorite	NaOCl	12.5%	L	NS	-	-
Sodium hypochlorite	NaOCl	12.5% Cl	-	-	S	-
Sodium hypochlorite	NaOCl	12,50%	-	-	-	L
Sodium iodide	NaI	Sat.sol.	S	S	S	-
Sodium nitrate	NaNO <sub>3</sub>	Sat.sol.	S	S	S	S
Sodium nitrite	NaNO <sub>2</sub>	Sat.sol.	S	S	S	S
Sodium oxalate	Na <sub>2</sub> C <sub>2</sub> O <sub>4</sub>	Sat.sol.	S	S	S	-
Sodium persulphate	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	Sat.sol.	S	NS	S	-
Sodium phosphate	Na <sub>3</sub> PO <sub>4</sub>	Sat.sol.	S	S	S	S
Sodium silicate	Na <sub>2</sub> SiO <sub>3</sub>	Sat.sol.	S	S	S	-
Sodium silicate	Na <sub>2</sub> SiO <sub>3</sub>	Sol.	-	-	-	S
Sodium sulphate	Na <sub>2</sub> SO <sub>4</sub>	Sat.sol.	S	S	S	-
Sodium sulphide	Na <sub>2</sub> S	Sat.sol.	S	S	S	S
Sodium sulphite	Na <sub>2</sub> SO <sub>3</sub>	Sat.sol.	S	S	S	-
Sodium thiosulphate	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Sat.sol.	S	S	S	-
Spindle oil			S	S	L	-
Spirits		Work.sol.	S	S	S	-
Stannic chloride	SnCl <sub>4</sub>	Sat. Sol.	-	-	-	S
Stannous chloride	SnCl <sub>2</sub>	Sat.sol.	S	S	S	S
Starch solution		Work.sol.	S	S	S	-
Starch syrup		Work.sol.	S	S	S	-
Stearic acid	C <sub>17</sub> H <sub>35</sub> COOH	tg-l	S	S	S	-
Stearic acid	C <sub>17</sub> H <sub>35</sub> COOH	Sat. Sol.	-	-	-	NS
Succinic acid	HOOC-CH <sub>2</sub> -CH <sub>2</sub> -COOH	Sat.sol.	S	S	S	-
Sugar syrup		Work.sol.	S	S	S	-
Sulphur dioxide	SO <sub>2</sub>	tg-g	S	NS	S	-
Sulphur dioxide, dry gas	SO <sub>2</sub>	100%	-	-	-	S
Sulphur trioxide	SO <sub>3</sub>	tg-g	NS	NS	NS	-
Sulphur trioxide	SO <sub>3</sub>	100%	-	-	-	NS

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CHEMICAL	FORMULA	CONCENTRATION %	PP-B	NBR	PEHD	EPDM 20°C
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	10%	-	-	-	S
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	40%	S	L	S	-
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	50%	-	-	-	S
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	70%	-	-	-	S
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	80%	-	-	-	S
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	98%	-	-	-	NS
Sulphuric acid	H <sub>2</sub> SO <sub>4</sub>	Fumante	-	-	-	-
Sulphurous acid	H <sub>2</sub> SO <sub>3</sub>	Sat.sol.	S	NS	-	-
Sulphurous acid	H <sub>2</sub> SO <sub>3</sub>	30%	-	-	S	-
Sulphurous acid	H <sub>2</sub> SO <sub>3</sub>	Sol.	-	-	-	S
Sulphuryl chloride	SO <sub>2</sub> Cl <sub>2</sub>	tg-l	NS	NS	NS	-
Tallow		tg-l	S	S	S	-
Tannic acid	C <sub>14</sub> H <sub>10</sub> O <sub>9</sub>	Sol.	S	S	S	S
Tanning extracts from plants		Work.sol.	S	S	S	-
Tartaric acid	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	Sat.sol.	S	S	S	-
Tartaric acid	COOH(CHOH) <sub>2</sub> COOH	Sat. Sol.	-	-	-	S
Tetrachloroethane	Cl <sub>2</sub> CH-CHCl <sub>2</sub>	tg-l	L	NS	L	-
Tetrachloroethylene	Cl <sub>2</sub> C=CCl <sub>2</sub>	100%	-	-	-	NS
Tetraethyl lead	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Pb	tg-l	S	S	S	-
Tetrahydrofurane	(CH <sub>2</sub> ) <sub>4</sub> O	-	-	-	-	NS
Thionyl chloride	SOCl <sub>2</sub>	100%	-	-	-	NS
Toluene	C <sub>6</sub> H <sub>5</sub> -CH <sub>3</sub>	tg-l	L	NS	L	-
Toluene	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	100%	-	-	-	NS
Trichloroethane	Cl <sub>3</sub> -C-CH <sub>3</sub>	tg-l	L	NS	L	-
Trichloroethylene	ClCH=CCl <sub>2</sub>	100%	-	-	-	NS
Trichloromethane	CHCl <sub>3</sub>	tg-l	L	NS	NS	-
Triethanolamine	N(CH <sub>2</sub> -CH <sub>2</sub> -OH) <sub>3</sub>	Sol.	S	L	S	NS
Trioctyl phosphate	(C <sub>8</sub> H <sub>17</sub> ) <sub>3</sub> PO <sub>4</sub>		S	L	L	-
Turpentine		-	-	-	-	NS
Turpentine oil			NS	S	-	-
Turpentine oil	Tg-l	Tg-l	-	-	-	-
Urea	H <sub>2</sub> N-CO-NH <sub>2</sub>	30%	S	S	-	S
Urea	H <sub>2</sub> N-CO-NH <sub>2</sub>	Sol.	-	-	S	-
Urine			S	S	S	S
Vaseline		-	-	-	-	-
Vegetable oils and fats			S	S	-	-
Vinegar		Work.sol.	S	NS	S	-
Vinyl acetate	CH <sub>2</sub> =CHOOCCH <sub>3</sub>	tg-l	S	S	-	-
Water	H <sub>2</sub> O		S	S	S	-
Water, waste water without organic solvent and surfactants			S	S	S	-
Wax alcohol	C <sub>31</sub> H <sub>63</sub> OH	tg-l	L	S	L	-
Wetting agents		5%	S	S	S	-
Wine vinegar		Work.sol.	S	NS	S	S
Wines		Work.sol.	S	S	S	S
Xylene	C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>	tg-l	NS	NS	L	-
Xylene	C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>	100%	-	-	-	NS
Yeast		Susp.	S	S	S	-
Yeast		Sol.	-	-	-	S
Zinc chloride	ZnCl <sub>2</sub>	Sat. Sol.	-	-	-	S
Zinc salts	ZnCl <sub>2</sub>	Sol.	S	S	S	-
Zinc sulphate	ZnSO <sub>4</sub>	Sat. Sol.	-	-	-	S