

# ТЕХНИЧЕСКА ИНФОРМАЦИЯ

Таблица на химическата устойчивост на материала на маркуча  
Таблицата по-долу е ръководство за първоначален избор на маркучи и уплътнителни материали, подходящи за конкретни условия на работа. Характеристиките, дадени в таблицата, се отнасят за устойчивост при +20°C.

Означения	Материал	Характеристики
<b>EPDM</b>	ethylene propylene diene rubber	отлична устойчивост на гореща вода и пара, добра устойчивост на разтвори на киселини, основи, соли, кетони, формалдехиди, охлаждащи течности на базата на гликол
<b>EPM</b>	ethylene propylene rubber	добра устойчивост (по-добра от EPDM) на разтвори на киселини, основи, соли, кетони, формалдехиди, промишлени алкохоли, гликоли
<b>NR</b>	natural rubber	отлична устойчивост на абразия и ниски температури
<b>NBR</b>	nitrile butadiene rubber (buna-n)	отлична устойчивост на масла, мазнини, нефтохимически продукти (бензин, дизелово гориво)
<b>CR</b>	chloroprene rubber (neoprene)	отлична устойчивост на озон, атмосферни условия; забавител на горенето, добра устойчивост на хладилни агенти и масла на базата на фреон
<b>SBR</b>	styrene butadiene rubber	отлична устойчивост на абразия, ниска производствена цена
<b>FPM / FKM</b>	fluorocarbon rubber (Viton)	отлична устойчивост на нефтохимически продукти (бензин, дизелово гориво), ароматни съединения и много киселини и основи, добра устойчивост на високи температури
<b>UPE (UHMWPE)</b>	ultra-high-molecular-weight polyethylene	отлична устойчивост на повечето киселини, основи и много други агресивни химикали при повишени, макар и не много високи температури
<b>PTFE</b>	polytetrafluoroethylene (Teflon)	отлична устойчивост на температура и химикали
<b>PVC</b>	polyvinyl chloride	добра устойчивост на разтвори на киселини и основи при стайна температура, ниска производствена цена
<b>PU</b>	polyurethane	отлична устойчивост на абразия, добра устойчивост на масла и нефтохимически продукти
<b>PA</b>	polyamide (nylon)	добра устойчивост на разтворители, бои, лакове, лепила

- A** - Отлична устойчивост
- B** - Добра устойчивост
- C** - Ограничена устойчивост
- X** - Не е устойчив
- - няма данни

# ТЕХНИЧЕСКА ИНФОРМАЦИЯ

Таблица на химическата устойчивост на материала на маркуча

SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Acetic acid 30%	A	A	B	C	B	B	C	A	A	C	X	C
Acetic aldehyde 50%	A	A	C/X	X	C	X	X	C/X	A	X	X	B
Acetic anhydride	C	B	B	C	B	B	X	A	A	-	X	B
Acetone	A	A	X	X	X	C	X	A/B	A	X	X	A/B
Acetyl chloride	X	X	X	X	X	X	A	-	A	-	X	-
Acetylene	A	A	B	A	B	B/C	A	-	A	A/B	B	A
Adipic acid	B	A	C	B	C	B	-	A	A	B	A	-
Aluminium acetate	B	A	A	B	B	B	X	-	A	B	X	-
Aluminium fluoride	B	A	B	A	A	A	A	A	A	-	C	X
Aluminium nitrate	B	A	A	A	A	A	A	A	A	B	C	-
Aluminium sulphate	B	A	A	A	A	A	A	A	A	A	X	X
Ammonium carbonate	B	A	A	X	A	A	-	A	A	-	B	B
Ammonium chloride	B	A	A	A	A	A	A	A	A	B	A	X
Ammonium chloride (sal ammoniac)	A	A	A	A/B	A	A	A	A	A	A	B	X
Ammonium hydroxide	A	A	X	X	A	X	B	A	A	B	X	A
Ammonium nitrate	B	A	C	A	A	B	-	A	A	-	X	A
Ammonium nitrite	B	A	A	A	A	A	-	A	A	-	-	-
Ammonium phosphate	B	A	A	A	A	A	-	A	A	C	-	A
Ammonium sulphate	B	A	A	A	A	A	X	A	A	B	A	A
Amyl acetate	X	C	X	X	X	X	X	A	A	X	X	A
Amyl alcohol (pentanol)	A	A	B	B	B	B	B	A	A	A	X	A
Anhydrous ammonia												
Anhydrous bromine	X	X	X	X	X	X	A	X	A	-	-	-
Aniline	B	A	X	X	X	X	C	A	A	-	X	X
Aniline dyes	B	A	B	X	B	B	B	-	A	-	X	X
Aniline hydrochloride	C	B	B	B	X	X	B	-	-	-	-	-
Animal fats	C	B	X	A	B	X	A	A	A	-	C	A
Aqua ammonia - ammonia water												
Aqua regia	C	C	X	X	X	X	B	-	A	X	X	X
Argon	A	A	A	A	A	A	A	A	A	A	A	A
Arsenic acid	B	A	B	A	A	A	A	A	A	-	C	-
Arsenic trichloride	X	C	X	A	A	-	-	-	-	-	-	-
Asphalt												
Barium chloride	B	A	A	A	A	A	A	A	A	B	B	X
Barium sulphate	B	A	A	A	A	A	A	A	A	-	-	-
Barium sulphide	B	A	A	A	A	B	A	A	A	B	A	C
Beer	A	A	A	A	A	A	A	A	A	-	X	B
Benzene	X	X	X	X	X	X	A/B	C/X	A	X	X	A
Benzoic acid	X	C	X	C	X	X	A	A	A	-	X	B
Benzyl alcohol	B	B	X	X	B	X	A	A	A	X	X	X
Benzyl benzoate	C	B	X	X	X	X	A	-	A	-	-	-
Benzyl chloride	X	X	X	X	X	X	A	A/B	A	-	-	-
Bituminous tar	X	C	X	B	C	X	A	-	A	-	-	-
Bordeaux mixture	B	A	B	B	B	B	A	A	A	B	-	-
Boric acid	B	A	A	A	A	A	A	A	A	B	A	A
Brine (NaCl)	A	A	A	A	A	A	A	A	A	A	A	A
Bromine trifluoride	X	X	X	X	X	X	X	-	-	-	-	-

SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Bromine water	B	B	X	X	X	X	A	-	A	-	-	-
Bromotoluene	X	X	X	X	X	X	A	-	A	-	-	-
Bunker oil	X	X	X	A	X	X	A	A	A	-	B	-
Butadiene	X	C	X	X	X	X	A	C	A	-	X	-
Butane	X	X	X	A	A	X	A	A	A	-	A	A
Butter	B	A	X	A	B	X	A	A	A	-	-	-
Butyl acetate	X	C	X	X	X	X	X	A	A	X	X	-
Butyl alcohol (butanol)	A/B	B	A	A	A	A	A	A	A	B	B	B
Butyl benzoate	C	B	C	X	X	B	A	-	A	-	-	-
Butyl cellosolve	B	A	X	C	C	X	X	-	A	-	A	-
Butyl stearate	X	C	X	B	X	X	A	A	A	-	-	-
Butylamine	B	A	X	C	X	X	X	-	A	-	-	-
Butyric aldehyde	C	B	X	X	C	X	X	-	A	-	X	-
Calcium acetate	B	A	A	B	B	X	X	A	A	-	X	-
Calcium chloride	B	A	A	A	A	A	A	A	A	C	A	C
Calcium hydroxide	A	A	A	A	A	A	A	A	A	B	A	A
Calcium hypochlorite	A	A	C	B	C	C	A	A	A	B	X	X
Calcium nitrate	B	A	A	A	A	A	A	A	A	-	A	A
Calcium sulphide	B	A	B	A	A	B	A	A	A	-	A	-
Carbitol	C	B	B	B	B	B	B	A	A	-	X	-
Carbon dioxide	C	B	B	A	B	B	A	A	A	B	A	A
Carbon disulphide	X	X	X	C	X	X	A	X	A	X	X	X
Carbon monoxide	B	A	B	B	B	B	A	A	A	B	B	A
Carbon tetrachloride	X	X	X	C	X	X	A	C	A	X	X	B
Carbonic acid	B	A	A	B	A	B	A	A	A	C	X	X
Castor oil	C	B	C	A	A	C	A	A	A	-	B	A
Cellosolve	C	B	X	X	X	X	C	-	A	-	-	-
Chinese wood oil	X	X	X	A	B	X	A	A	A	-	C	-
Chlorine												
Chlorine dioxide	X	C	X	X	X	X	A	-	A	-	-	-
Chloroacetic acid	B	A	X	X	X	X	X	X	A	-	X	X
Chloroacetone	B	A	B	X	C	X	X	-	A	-	X	-
Chlorobenzene	X	X	X	X	X	X	A	B/C	A	X	X	B
Chlorobutadiene	X	X	X	X	X	X	A	-	A	-	-	-
Chloroform	X	X	X	X	X	X	A	A/B	A	X	X	X
Chlorotoluene	X	X	X	X	X	X	A	-	A	-	X	-
Chromic acid 50%	B	A	X	X	C	X	B	A	A	B	X	X
Citric acid	B	A	A	A	A	A	A	A	A	C	A	A
Cobalt	B	A	A	A	A	A	A	-	-	-	-	-
Coconut oil	X	C	X	A	B	X	A	A	A	-	C	-
Coke-oven gas	X	X	X	X	X	X	A	-	A	-	X	A
Copper acetate	B	A	B	B	B	X	X	-	A	-	-	-
Copper chloride	B	A	B	A	B	A	A	A	A	B	B	C
Copper cyanide	B	A	A	A	A	A	A	A	A	-	A	-
Copper sulphate	B	A	B	A	A	B	A	A	A	B	B	X
Corn oil	X	C	X	A	C	X	A	A	A	-	B	B
Cottonseed oil	B	B	X	A	B	X	A	A	A	-	B	A

SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Creosote (coal tar)	X	X	X	A	B	X	A	A	A	X	C	X
Cresol	X	X	X	X	C	X	A	-	A	C	X	X
Cresylic acid	X	X	X	X	C	X	A	A	A	X	X	-
Crude oil	X	X	X	A	B	X	A	A	A	B	A	A
Cumene (isopropylbenzene)	X	X	X	X	X	X	A	-	A	-	X	-
Cyclohexane	X	X	X	A	C	X	A	A	A	C	B	A
Cyclohexanol	X	C	X	C	A	X	A	A	A	C	-	A
Cyclohexanone	B	B	X	X	X	X	X	A	A	X	X	A
Decalin	X	X	X	X	X	X	A	A	A	-	-	-
Denatured alcohol	B	A	A	A	A	A	A	A	A	-	-	-
Diacetone	B	A	X	X	X	X	X	A	A	-	-	-
Diacetone alcohol	A	A	X	X	C/X	X	X	A	A	X	X	B
Dibenzyl ether	C	B	X	X	C	X	X	-	A	-	-	-
Dibutyl ether	X	C	X	X	C	X	C	-	A	-	C	-
Dibutyl phthalate	C	B	X	X	X	X	C	A	A	-	X	A
Dibutyl sebacate	C	B	X	X	X	X	B	-	A	-	X	-
Dibutylamine	B	A	X	X	X	X	X	-	A	-	X	-
Dichlorobenzene	X	X	X	X	X	X	A	-	A	X	X	A
Dichloroethylene	X	C	X	X	X	X	B	C/X	A	X	X	A
Dichloro-isopropyl ether	X	C	X	X	X	X	C	-	A	-	-	-
Diesel oil	X	X	X	A	C	X	A	A	A	B	X	A
Diethyl sebacate	C	B	X	B	X	X	B	-	A	-	X	-
Diethylamine	B	A	B	B	B	B	X	A	A	C	-	-
Diethylaminobenzene	X	X	X	X	X	X	A	-	A	-	-	-
Diethylene glycol	A	A	A	A	A	A	A	A	A	B	X	-
Diisobutylene	B	A	X	B	X	X	A	A	A	-	-	-
Diisopropyl ketone	B	A	X	X	X	X	X	-	A	-	-	-
Diisopropylbenzene	X	X	X	X	X	X	A	-	A	-	-	-
Dimethyl phthalate	B	A	X	X	X	X	B	-	A	-	-	-
Dimethylformamide	B	A	X	B	C	X	X	A	A	X	-	-
Dinitrotoluene	X	X	X	X	X	X	A	-	A	-	-	-
Diocetyl phthalate	C	B	X	C	X	X	B	-	A	-	X	B
Diocetyl sebacate	C	B	X	X	X	X	B	-	-	-	-	-
Dipentene	X	X	X	B	X	X	A	-	A	-	X	-
Diphenyl (phenylbenzene)	X	X	X	X	X	X	A	-	A	-	-	-
Dowtherm, dautherm	X	X	X	X	X	X	A	-	A	-	-	C
Ethane	X	X	X	A	B	X	A	A	A	-	-	-
Ethanolamine	B	A	B	B	B	B	X	-	A	-	-	-
Ethyl acetate	B	A	X	X	C	X	X	A	A	X	X	A
Ethyl acetoacetate	B	A	C	X	C	C	X	A	A	-	-	-
Ethyl alcohol (ethanol)	A	A	A	A	A	A	C	A	A	B	X	A
Ethyl benzoate	B	A	A	X	X	A	A	-	A	-	-	-
Ethyl cellosolve acetate	C	B	X	X	X	X	X	-	A	-	X	C
Ethyl cellulose	C	B	B	B	B	B	X	-	A	-	B	C
Ethyl chloride	X	C	X	C	X	X	A	A/B	A	-	C	A
Ethyl ether (ether)	X	X	X	X	C	X	X	C	A	X	B	B
Ethyl formate	C	B	X	X	B	X	C	-	A	-	-	-

SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Ethyl silicate	B	A	B	A	A	B	A	-	A	-	-	-
Ethylbenzene	X	X	X	X	X	X	A	A	A	-	-	-
Ethylene	C	B	C	A	C	C	A	A/B	A	-	-	-
Ethylene chloride	X	C	X	X	X	X	A	B/C	A	-	-	-
Ethylene chlorohydrin	C	B	B	X	B	B	A	-	A	-	X	-
Ethylene glycol	A	A	A	A	A	A	A	A	A	B	A	A
Ethylenediamine	B	A	A	A	A	B	X	-	A	-	X	-
Fatty acids	X	C	X	B	B	X	A	A	A	B	-	A
Fish-liver oil	X	X	X	A	X	X	A	-	A	-	-	-
Fluoric grease	B	A	B	A	B	C	B	-	A	-	-	-
Fluorobenzene	X	X	X	X	X	X	A	-	A	-	-	-
Fluoroboric acid	B	A	A	B	A	A	-	A	A	-	-	-
Formaldehyde (methanal)	A	A	B	C	B	B	X	A	A	C	X	A
Formic acid	B	A	B	B	A	A	C	A	A	C	X	X
Freon 114	B	A	A	A	A	A	B	B	A	-	-	-
Freon 12	C	B	B	A	A	A	B	A/B	A	-	B	A
Freon 13 - (chlorotrifluoromethane)	A	A	A	A	A	A	A	-	A	-	-	-
Freon 21 - (dichlorofluoromethane)	X	X	X	A	X	X	X	-	A	-	-	-
Freon 22 - (chlorodifluoromethane)	B	A	B	C	A	A	X	-	A	-	X	X
Fuming sulphuric acid (oleum)	X	X	X	X	X	X	A	X	A	X	X	X
Furfural	B	A	X	X	C	X	X	A	A	-	-	-
Gallic acid	B	A	B	B	B	B	B	A	A	B	X	-
Gaseous hydrogen												
Gelatine	B	A	A	A	A	A	A	A	A	B	-	-
Glacial acetic acid 100%	B	A	B	C	X	B	C	A	A	B	X	X
Glucose	A	A	A	A	A	A	A	A	A	B	X	B
Glycerine	A	A	A	A	A	A	A	A	A	B	X	A
Green liquor	B	A	B	B	B	B	B	A	A	-	-	C
Helium	A	A	A	A	A	A	A	A	A	A	A	A
Hexafluorosilicic acid	C	B	B	A	B	C	B	A	A	B	-	A
Hexane	X	X	X	A	B	X	A	A	A	C	B	A
Hydraulic oil (petroleum, mineral)	X	X	X	A	B	X	A	A/B	A	-	A	A
Hydrobromic acid	B	A	A	X	X	X	A	A	A	B	X	X
Hydrochloric acid <20%	A	A	B	B	B	B	A	A	A	A	X	X
Hydrochloric acid 37%	A/B	A/B	B	C	B	B	A	A	A	X	X	X
Hydrocyanic acid	B	A	B	B	B	B	B	A	A	-	-	B
Hydrofluoric acid <50%	A	A	X	X	X	X	-	A	A	-	-	X
Hydrofluoric acid >50%	C	C	X	X	X	X	-	A	A	C	X	X
Iodine	X	X	X	X	X	X	X	A	A	-	-	-
Iron (II) sulphate	B	A	A	A	A	A	A	A	A	B	-	X
Iron III chloride	B	A	A	A	A	A	A	A	A	B	A	X
Iron III nitrate	B	A	A	A	A	A	A	A	A	B	A	A
Isobutyl alcohol (isobutanol)	A	A	A	B	A	B	A	A	A	B	-	-
Isooctane	X	X	X	A	B	X	A	A	A	B	A	A
Isopropyl acetate	C	B	X	X	X	X	X	A	A	X	X	-
Isopropyl alcohol (isopropanol)	A	A	A	B	B	B	A	A	A	B	X	A
Isopropyl chloride	X	X	X	X	X	X	B	-	A	-	-	-

SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Isopropyl ether	X	X	X	B	C	X	X	A	A	-	A	-
Lactic acid	A	A	A	A	A	A	A	A	A	A	B	X
Lard	C	B	X	A	B	X	A	A	A	-	-	-
Lavender oil	X	X	X	B	X	X	A	B	A	X	X	-
Lead (II) acetate	B	A	A	B	A	X	X	A	A	B	X	-
Lead (II) nitrate	B	A	A	A	A	A	-	A	A	-	-	-
Lead sulfamate	B	A	B	B	A	B	A	-	A	-	-	-
Linseed oil	X	C	X	A	B	X	A	A	A	-	B	A
Liquefied natural gas (LNG)												
Lubricating oils (petroleum)	X	X	X	A	B	X	A	B/C	A	-	A	A
Magnesium chloride	B	A	A	A	A	A	A	A	A	B	A	X
Magnesium hydroxide	A	A	B	B	A	B	A	A	A	B	B	X
Magnesium sulphate	B	A	B	A	A	B	A	A	A	B	-	A
Maleic acid	B	A	C	X	C	C	A	A	A	-	-	C
Maleic anhydride	C	B	C	X	C	C	X	-	-	-	-	-
Malic acid	B	A	B	B	B	C	A	-	A	B	-	-
Medicinal cod-liver oil	B	A	X	A	B	X	A	-	A	-	-	-
Mercury	B	A	A	A	A	A	A	A	A	-	B	A
Mesityl oxide	C	B	X	X	X	X	X	-	A	-	X	-
Methane	X	X	X	A	B	X	B	X	A	-	-	-
Methyl acetate	B	A	C	X	B	C	X	A	A	X	X	A
Methyl alcohol (methanol)	A	A	A	A	A	A	X	A	A	B	X	A
Methyl bromide	C	B	X	B	X	X	A	C/X	A	X	-	A
Methyl butyl ketone	B	A	X	X	X	X	X	-	A	-	X	-
Methyl cellosolve	C	B	X	B	B	X	X	-	A	-	X	-
Methyl chloride	X	C	X	X	X	X	B	A/B	A	-	X	X
Methyl ethyl ether	X	X	X	A	C	X	A	-	A	-	-	-
Methyl ethyl ketone (MEK)	B	A	X	X	C	X	X	A	A	X	X	A
Methyl isobutyl ketone	B	B	X	X	X	X	X	-	A	-	X	A
Methyl oleate	X	X	X	X	X	X	A	X	A	-	-	A
Milk	B	A	B	A	A	B	A	A	A	-	-	-
Mineral oil	X	C	X	A	B	X	A	B	A	B	A	A
Monoethanolamine	B	A	B	X	X	B	X	A	A	-	X	-
Naphtha	X	X	X	B	C	X	A	B/C	A	C	A	A
Naphtha (refined)	X	X	X	A	B	X	A	-	A	C	A	A
Naphthalene	X	X	X	X	X	X	A	A	A	C	C	A
Naphthenic acid	X	X	X	B	X	X	A	-	A	-	-	-
Natural gas	X	X	B	A	A	B	A	X	A	-	C	A
Nickel acetate	B	A	A	B	B	X	X	A	A	-	X	-
Nickel chloride	B	A	A	A	A	A	A	A	A	-	C	X
Nickel sulphate	B	A	B	A	A	B	A	A	A	-	-	A
Nitric acid <40%	X	X	X	X	B	X	A	A	A	X	X	X
Nitric acid >40%	X	X	X	X	X	X	C	C/X	A	-	-	-
Nitrobenzene	C	B	X	X	X	X	B	A/B	A	X	X	A
Nitroethane	C	B	B	X	C	B	X	A	A	-	X	-
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	A
Nitromethane	C	B	B	X	B	B	X	-	A	-	X	-

SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Octachlorotoluene	X	X	X	X	X	X	A	-	A	-	-	-
Octyl alcohol (octanol)	X	C	B	B	A	B	A	A	A	-	X	-
Oleic acid	X	X	X	C	C	X	B	A	A	B	B	A
Olive oil	C	B	X	A	B	X	A	A/B	A	-	A	-
Ortho-dichlorobenzene	X	X	X	X	X	X	B	X	A	-	X	-
Oxalic acid	B	A	B	B	B	B	B	A	A	-	A	X
Oxygen												
Ozone	B	A	X	X	C	X	A	A/B	A	B	B	X
Palmitic acid	C	B	C	A	B	B	A	A/B	A	B	A	X
Para-isopropyltoluene	X	X	X	X	X	X	A	-	A	-	X	-
Peanut oil	X	C	X	A	C	X	A	A	A	-	-	-
Pentachloroethylbenzene	X	X	X	X	X	X	A	-	-	-	-	-
Perchloric acid	C	B	X	X	B	X	A	-	A	-	X	C
Perchloroethylene (tetrachloroethylene)	X	X	X	B	X	X	A	B	A	X	X	X
Petrol	X	X	X	A	C	X	A	A	A	B	B	A
Phenol (carbolic acid)	C	B	X	X	C	-	A	A/B	A	C	X	X
Phenyl benzene	X	X	X	X	X	X	A	-	A	-	-	-
Phenylhydrazine	C	B	A	X	X	B	A	-	A	-	-	-
Phorone (diisopropylidene acetone)	X	C	X	X	X	X	X	-	A	-	-	-
Phosphoric acid 20%	B	A	B	B	B	B	A	A	A	B	X	X
Phosphoric acid 80%	B	A	C	X	B	C	A	A	A	-	X	C
Phosphorous trichloride	B	A	X	X	X	X	A	A	A	-	-	-
Picric acid	B	A	B	B	B	C	B	A	A	-	X	X
Pine oil	X	X	X	A	X	X	A	B	A	B	-	-
Polyvinyl acetate emulsion	B	A	B	-	B	X	B	A	A	-	-	-
Potassium acetate	B	A	A	B	B	X	X	A	A	-	X	-
Potassium chloride	B	A	A	A	A	A	A	A	A	A	A	A
Potassium cuprocyanide	A	A	A	A	A	A	A	-	-	-	-	-
Potassium cyanide	B	A	A	A	A	A	A	A	A	B	A	A
Potassium dichromate	B	A	C	B	B	B	A	A	A	-	B	-
Potassium hydroxide	A	A	B	B	B	B	X	A	A	B	C	C
Potassium nitrate	B	A	A	A	A	A	A	A	A	B	A	A
Potassium sulphate	B	A	B	A	A	A	A	A	A	B	B	A
Propane	X	X	X	A	B	X	A	A	A	B	A	A
Propyl acetate	C	B	X	X	X	X	X	A	A	X	X	-
Propyl alcohol (propanol)	A	A	A	A	A	A	A	A	A	B	C	-
Propyl nitrate	B	A	X	X	X	X	X	-	-	-	-	-
Propylene	X	X	X	X	X	X	A	-	A	-	X	-
Propylene glycol	A	A	A	A	A/B	A	A	A	A	A	A/B	A
Pyridine	B	A	X	X	X	X	X	A	A	X	-	-
Salicylic acid	B	A	A	B	A	B	A	A	A	-	-	-
Salt water	A	A	A	A	A	A	A	A	A	B	A	A
Sewage	B	B	B	A	B	B	A	A	A	-	X	A
Silicone grease	B	A	C	A	A	C	A	A	A	-	-	-
Silicone oils	B	A	C	A	A	C	A	A	A	B	-	-
Silver nitrate	B	A	A	B	A	A	A	A	A	B	A	-
Skydrol 500	B	A	X	X	X	X	X	-	A	-	C	-

SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Skydrol 7000	B	A	X	X	X	X	B	-	A	-	-	-
Soap solutions	A	A	B	A	B	A	A	A	A	B	C	A
Soda lye 50%	A	A	B	B	B	B	A	A	A	-	X	X
Soda, raw sodium carbonate	B	A	A	A	A	A	A	A	A	-	-	A
Sodium acetate	B	A	A	B	B	X	X	A	A	-	A	A
Sodium bicarbonate	A	A	A	A	A	A	A	A	A	B	-	-
Sodium bisulfite	B	A	A	A	A	B	A	A	A	B	-	-
Sodium borate (borax)	B	A	A	A	A	A	A	A	A	B	-	-
Sodium chloride (brine)	B	A	A	A	A	A	A	A	A	B	A	A
Sodium cyanide	B	A	A	A	A	A	A	A	A	B	-	A
Sodium hydroxide	A	A	A	B	B	A	B	A	A	B	B	C
Sodium hypochlorite 15%	A	A	X	X	B/C	X	A	A	A	A	X	X
Sodium metaphosphate	B	A	A	A	B	A	A	A	A	-	-	-
Sodium nitrate	B	A	B	B	B	A	-	A	A	B	X	A
Sodium perborate	B	A	B	B	B	B	A	A	A	B	-	A
Sodium peroxide	B	A	B	B	B	B	A	A	A	B	X	-
Sodium phosphate	B	A	A	A	B	A	A	A	A	B	A	A
Sodium silicate	B	A	A	A	A	A	A	A	A	B	-	A
Sodium sulphate	B	A	B	A	A	B	A	A	A	B	A	A
Sodium thiosulphate	B	A	B	B	A	B	A	A	A	B	A	A
Soybean oil	X	C	X	A	B	X	A	A	A	B	B	A
Steam	A	A	X	X	C	X	X	X	A	-	X	X
Stearic acid	C	B	C	B	B	B	-	A	A	B	A	A
Styrene	X	X	X	X	X	X	B	-	A	X	X	A
Sugar solution	A	A	A	A	A	A	A	A	A	-	-	-
Sulphur	B	A	X	X	A	X	A	A	A	-	-	-
Sulphur chloride	X	X	X	C	C	X	A	A	A	-	-	B
Sulphur dioxide	B	A	B	X	X	B	A	-	A	C	-	X
Sulphur trioxide	C	B	B	X	X	B	A	-	A	-	-	X
Sulphuric acid 10 ÷ 75%	B	A	X	X	X	X	A	A	A	X	X	X
Sulphuric acid 10%	A	A	C	C	B	C	A	A	A	C	X	X
Sulphuric acid 96%	C	C	X	X	X	X	A/B	A	A	X	X	X
Sulphurous acid	B	A	B	B	B	B	A	A	A	B	-	-
Tannic acid (tannin)	B	A	A	A	A	B	A	A	A	C	C	X
Tartaric acid	C	B	C	A	B	X	A	A	A	B	C	X
Terpineol	X	C	X	B	X	X	A	B	A	B	B	-
Tertiary butyl alcohol (tert-butanol)	C	B	B	B	B	B	A	A	A	-	X	-
Tetrachloroethylene	X	X	X	X	X	X	A	B	A	-	X	C
Tetraethyl lead	X	X	X	B	B	X	A	-	A	B	-	-
Tin chloride	B	A	A	A	B	A	A	A	A	-	-	A
Toluene	X	X	X	X	X	X	A	B	A	X	X	A
Transformer oil												
Transmission fluid "A"	X	X	X	A	B	X	A	-	A	-	A	A
Trichloroacetic acid	C	B	C	B	X	B	C	-	A	-	X	-
Trichloroethane	X	X	X	X	X	X	A	-	A	-	X	-
Trichloroethylene	X	X	X	X	X	X	A	C/X	A	X	X	-
Tricresyl phosphate	X	X	X	X	X	C	A	A	A	-	X	-



SUBSTANCE	EPDM	EPM	NR	NBR	CR	SBR	FPM	XLPE	PTFE	PVC	PU	PA
Triethanolamine	B	A	B	B	A	B	X	A	A	C	X	-
Trinitrotoluene	X	X	X	X	B	X	A	-	A	-	-	-
Turbine oil (lubricating)												
Turpentine	X	X	X	B	X	X	A	A/B	A	C	A	A
Vegetable oils	X	C	X	A	C	X	A	A	A	-	-	-
Vinegar (acetic acid 10%)	B	A	B	B	B	B	B	A	A	B	X	A
Vinyl chloride	X	X	X	X	X	X	A	A/B	A	X	-	-
Vinylacetylene	B	B	B	A	B	B	A	-	A	-	-	-
Water	A	A	A	A	A	A	A	A	A	A	A	A
Whisky, wines	B	A	A	A	A	A	A	A	A	-	X	A
White mineral oil	X	X	X	A	B	X	A	A	A	-	A	-
Xylene	X	X	X	X	X	X	A	C	A	X	C	A
Zinc chloride	B	A	A	A	A	A	A	A	A	B	A	X
Zinc sulphate	B	A	B	A	A	B	A	A	A	B	-	A