

## CHEMICAL RESISTANCE GUIDE FOR ELASTOMERS

This information is provided only as a guide. Actual service life can only be determined by the user, evaluating the elastomer in actual service conditions.

### RATINGS CODE:

- A **Excellent:** Long service may be expected with little or no affect on elastomer - suitable for continuous service.
- B **Good:** Good service may be expected, but elastomer will be affected by the chemical exposure - usually suitable for continuous or intermittent service.
- C **Conditional:** Fair service may be expected if chemical exposure is limited or infrequent. Not recommended for continuous, but may give some service if it is the only elastomer present.
- X **Not Recommended.** Insufficient Information: No data available at the time of publication to determine an accurate rating, but the elastomer is not expected to perform better than those listed.

COMMON NAME	ASTM DESIGNATION	COMPOSITION
Buna-N or Nitrile	NBR	Nitrile-Butadiene
Cross Linked Polyethylene	XLPE	Cross Linked Polyethylene
EPT or EPDM	EPDM	Ethylene-propylene-diene-terpolymer
Teflon	FEP	Fluorinated Ethylene Propylene
SBR	SBR	Styrene-Butadiene
Hypalon	CSM	Chlorosulfonated polyethylene
Natural	NR	Isoprene (Natural)
Neoprene	CR	Chloroprene
Viton	FKM	Fluorocarbon
Ultra High Molecular Weight Polyethylene	UHMWPE	Polyethylene

# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Acetaldehyde	X	X	X	C	C	A	X	A	A	A	X
Acetamide (Acryimide)	B	B	C	C	B	A	B	A	A	A	-
Acetic Acid - 10%. 1.8 BE	B	C	X	B	B	A	A	A	A	A	A
Acetic Acid - 20%	B	C	X	B	B	A	C	A	A	A	B
Acetic Acid - 30%. 5.4 BE	B	C	X	B	B	A	C	A	A	A	B
Acetic Acid - 50%. 7.9 BE	C	C	X	C	B	A	C	A	B	A	B
Acetic Acid - 99.5% Glacial	C	X	X	C	X	B	X	A	B	A	C
Acetate Solvents	X	X	X	C	X	C	X	A	A	A	X
Acetic Ester (Ethyl Acetate)	X	X	X	X	X	B	X	A	A	A	X
Acetic Oxide (Acetic Anhydride)	B	C	C	C	A	B	X	A	A	A	X
Acetone	C	X	C	B	B	A	X	A	A	A	X
Acetone Cyanohydrin	B	X	C	C	C	A	X	A	A	B	X
Acetophenone	X	X	X	X	X	A	X	A	B	-	-
Acetyl Acetone	X	X	X	X	X	A	X	A	A	A	X
Acetyl Oxide	X	C	C	C	B	B	X	A	A	A	-
Acetylene	B	A	A	A	B	A	A	A	A	A	X
Acetylene Dichloride	X	X	X	X	X	-	A	A	A	A	X
Acetylene Tetrachloride	X	X	X	X	X	X	A	A	A	A	X
Acrolein	C	B	C	B	B	A	A	A	A	A	-
Adipic Acid (Adipinic Acid)	A	A	A	A	-	A	A	A	-	-	B
Alcohol - Absolute	A	A	A	A	A	A	B	A	A	A	X
Alcohol - Aliphatic	A	A	B	A	A	A	A	A	A	A	X
Alcohol - Aromatic	C	C	X	C	-	C	A	A	A	A	X
Alcohol - Ethyl (Ethanol)	A	A	A	A	A	A	B	A	A	A	A
Alcohol - Grain	A	A	A	A	A	A	B	A	A	A	-
Alcohol - Methyl	A	A	A	A	A	A	X	A	A	A	C
Alk-Tri (Trichlorethylene)	X	X	X	X	X	X	A	A	B	X	X
Allyl Alcohol	A	A	A	A	A	A	B	A	A	A	X
Allyl Bromide	X	X	X	X	X	X	B	A	B	B	X
Allyl Chloride	X	X	X	X	X	X	B	A	B	B	X
Alum	A	A	A	A	A	A	A	A	A	A	A
Aluminum Acetate	B	B	C	A	B	A	X	A	A	A	A
Aluminum Chloride	A	A	A	A	A	A	A	A	A	A	A
Aluminum Fluoride	A	A	A	A	A	A	A	A	A	A	A
Aluminum Formate	X	X	X	X	X	X	X	A	A	A	-
Aluminum Hydroxide	A	A	B	A	B	A	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Aluminum Nitrate	A	A	A	A	A	A	A	A	A	A	A
Aluminum Phosphate	A	A	A	A	A	A	A	A	A	A	-
Aluminum Sulfate	A	A	B	A	A	A	A	A	A	A	A
Aminoethanol	B	B	B	B	B	B	C	A	A	A	-
Aminoethylethanolamine	-	B	B	B	B	-	-	A	A	A	-
Ammonia Anhydrous (Liquid)	ANHYDROUS AMMONIA HOSE ONLY										
Ammonia in Water	A	B	B	A	B	A	C	A	A	A	B
Ammonium Carbonate	B	C	A	A	B	A	A	A	A	A	A
Ammonium Chloride	A	A	A	A	A	A	A	A	A	A	A
Ammonium Hydroxide	B	B	B	B	A	A	A	A	A	A	B
Ammonium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Nitrite	A	A	A	A	A	A	A	A	A	A	-
Ammonium Phosphate	A	A	A	A	A	A	A	A	A	A	-
Ammonium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulfide	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulfite	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulphate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Thiocyanate	A	A	A	A	A	A	A	A	A	A	A
Ammonium Thiosulfate	A	A	A	A	A	A	A	A	A	A	-
Amyl Acetate	X	X	X	C	X	B	X	A	A	A	X
Amyl Acetone	X	X	X	X	X	B	X	A	A	A	X
Amyl Alcohol	A	A	A	A	A	A	A	A	A	A	C
Amyl Amine	X	C	C	C	C	X	X	A	A	A	X
Amyl Borate	B	A	X	X	A	X	A	A	A	A	-
Amyl Chloride	X	X	X	X	X	X	A	A	A	A	X
Amyl Chloronapthalene	X	B	X	X	X	X	A	A	A	A	-
Amyl Napthalene	X	X	X	X	X	X	A	A	A	A	-
Amyl Oleate	X	B	X	X	X	X	C	A	A	A	-
Amyl Phenol	X	X	X	X	X	X	A	A	A	A	-
Amyl Phthalate	X	X	X	X	X	X	C	A	A	A	-
Anethole (Anethol)	X	X	X	X	X	X	B	A	C	C	-
Aniline Dyes	C	X	C	B	B	B	B	A	A	A	X
Aniline Hydrochloride	X	X	C	B	X	B	B	A	A	A	X
"Aniline, Aniline Oils"	X	X	X	X	C	B	C	A	A	A	X
Animal Fats	B	A	X	X	C	X	A	A	A	A	-
Animal Grease	B	A	X	X	C	A	A	A	A	A	-



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CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Animal Oils	B	A	X	X	X	B	A	A	A	A	-
Ansul Ether	X	C	X	X	X	C	X	A	A	A	-
Antimony Pentachloride	X	X	X	X	X	C	A	A	B	A	-
Antimony Trichloride	B	B	X	X	B	A	A	A	A	A	A
Aqua Ammonia	B	B	B	A	B	B	C	A	A	A	-
Aqua Regia	X	X	X	X	C	C	A	A	X	A	C
Aromatic Hydrocarbons	X	X	X	X	X	X	A	A	A	A	X
Aromatic Spirits	X	C	X	X	X	X	A	A	A	A	X
Aromatic Tar	X	C	X	X	X	X	A	A	A	A	-
Arquads	A	A	A	A	A	A	A	A	A	A	-
Arsenic Acid	A	A	A	A	A	A	A	A	A	A	-
Arsenous Chloride	A	C	X	X	X	X	X	A	X	-	-
Arsenous Trichloride	A	C	X	X	X	X	X	A	X	-	-
Asphalt	B	A	X	X	X	X	A	A	X	X	-
ASTM-Ref: #1 Oil	A	A	X	X	B	X	A	A	A	A	B
ASTM-Ref: #2 Oil	B	A	X	X	X	X	A	A	A	A	B
ASTM-Ref: #3 Oil	B	A	X	X	C	X	A	A	A	A	C
Aviation Gasoline	X	A	X	X	X	X	A	A	A	A	X
Barium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Barium Chloride	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfide	A	A	A	A	A	A	A	A	A	A	A
Beet Sugar Liquors	A	A	A	A	A	A	A	A	A	A	A
Benzaldehyde	X	X	X	X	X	B	X	A	A	A	X
Benzene (Benzol)	X	X	X	X	X	X	A	A	A	B	X
Benzene Sulphonic Acid	B	X	X	X	A	X	A	A	A	A	C
Benzine Solvent (Ligroin)	B	A	X	X	X	X	A	A	A	A	X
Benzoic Acid	B	X	X	B	B	B	A	A	A	A	B
Benzoic Aldehyde	X	X	X	X	X	B	X	A	A	A	-
Benzotrichloride	X	X	X	X	X	X	B	A	C	C	-
Benzyl Acetate	X	X	X	X	B	B	X	A	A	A	X
Benzyl Alcohol	C	X	C	C	B	B	A	A	A	A	-
Bichromate of Soda	B	X	X	X	C	C	A	A	A	A	-
Black Sulfate Liquor	B	B	B	B	B	A	A	A	A	A	-
Blast Furnace Gas	X	X	X	X	X	X	A	A	A	A	-



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CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Bleach Solutions	X	X	X	X	B	A	A	A	B	A	-
Borax	A	B	B	B	A	A	A	A	A	A	A
Bromine - Gas	X	X	X	X	X	X	B	A	X	X	-
Bromotoluene	X	X	X	X	X	X	B	A	C	X	-
Bunker C	B	A	X	X	X	X	A	A	A	B	-
Bunker Oil	B	A	X	X	X	X	A	A	C	B	-
Butadiene	C	C	X	X	B	C	A	A	A	A	C
Butane	USE BUTANE - PROPANE HOSE ONLY										
Butanol (Butyl Alcohol)	A	A	A	A	A	A	A	A	A	A	X
Butyl (Normal) Alcohol	A	A	A	A	A	A	A	A	A	A	C
Butyl (Secondary) Alcohol	A	A	A	A	A	A	A	A	A	A	C
Butyl Acetate	X	X	X	X	X	X	X	A	A	A	X
Butyl Acrylate	X	X	X	X	X	X	X	A	B	B	X
Butyl Alcohol	A	A	A	A	A	A	A	A	A	A	C
Butyl Aldehyde	C	X	X	X	C	B	X	A	A	A	-
Butyl Amine	X	C	C	C	C	X	X	A	A	A	-
Butyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Butyl Benzyl Phthalate	X	X	X	X	X	-	C	A	A	A	-
Butyl Bromide	X	X	X	X	X	X	B	A	B	B	-
Butyl Butyrate	X	X	X	X	X	-	X	A	B	B	X
Butyl Carbitol	C	X	X	X	B	A	C	A	A	A	X
Butyl Cellosolve	C	C	X	X	B	A	X	A	A	A	X
Butyl Chloride	X	X	X	X	X	X	A	A	B	B	-
Butyl Ether	C	B	X	X	C	X	X	A	A	A	-
Butyl Ether Acetaldehyde	C	X	X	X	X	X	X	A	A	A	-
Butyl Ethyl Ether	-	B	X	X	B	X	C	A	A	A	-
Butyl Oleate	X	X	X	X	X	B	A	A	A	A	-
Butyl Phthalate	X	X	X	X	X	-	C	A	A	A	-
Butyl Stearate	X	B	X	X	X	X	A	A	A	A	-
Butyraldehyde	C	X	X	X	X	X	X	A	A	A	-
Butyric Acid	C	X	X	X	C	C	C	A	A	A	-
Cadmium Acetate	B	B	X	X	A	A	X	A	A	A	-
Calcium Acetate	B	B	X	B	A	A	X	A	A	A	-
Calcium Aluminate	A	A	A	A	A	A	A	A	A	A	-
Calcium Bichromate	-	-	-	-	C	-	-	A	C	C	B
Calcium Bisulfate	A	A	A	A	A	A	A	A	A	A	-



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CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Calcium Bisulfite	A	A	A	C	A	C	A	A	A	A	-
Calcium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Calcium Chloride	A	A	A	A	A	A	A	A	A	A	A
Calcium Hydroxide (Caustic Lime)	A	A	A	A	B	A	C	A	A	A	A
Calcium Hypochlorite	X	X	X	X	C	B	B	A	C	B	A
Calcium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Calcium Silicate	A	A	A	A	A	A	A	A	A	A	A
Calcium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Calcium Sulphhydrate	A	A	A	A	A	A	A	A	A	A	-
Calcium Sulfide	B	A	B	A	A	A	A	A	A	A	A
Calcium Sulfite	B	A	B	A	A	A	A	A	A	A	A
Cane Sugar Liquids	A	A	A	A	A	A	A	A	A	A	A
Caprylic Acid	-	C	X	C	B	-	-	A	A	A	-
Carbitol	B	B	C	X	B	B	A	A	A	A	-
Carbitol Acetate	X	X	X	X	B	X	X	A	A	A	-
Carbolic Acid (Phenol)	X	X	X	X	X	X	A	A	A	A	X
Carbon Dioxide (Wet or Dry)	A	A	A	A	A	A	A	A	A	A	A
Carbon Disulfide	X	X	X	X	X	X	X	A	X	X	X
Carbon Monoxide	A	A	B	C	A	A	A	A	A	A	A
Carbon Tetrachloride	X	C	X	X	X	X	A	A	C	C	X
Carbon Tetrafluoride	X	X	X	X	X	B	A	A	C	C	X
Carbonic Acid	A	A	A	A	A	A	A	A	A	A	C
Casing Head Gasoline	-	A	X	X	X	X	A	A	B	B	C
Castor Oil	A	A	X	B	A	B	A	A	A	A	A
Caustic Potash (Potassium Hydroxide)	B	B	B	B	A	A	B	A	A	A	A
Caustic Soda (Sodium Hydroxide)	B	C	B	A	B	A	B	A	A	A	A
Cellosize	-	X	X	X	X	-	-	A	A	A	-
Cellosolve	X	C	X	X	B	B	C	A	A	A	C
Cellosolve Acetate	X	X	X	X	X	B	X	A	A	A	-
Cellulose Acetate	C	B	X	B	C	B	C	A	B	B	-
Cellulube Hydraulic Fluids	X	X	X	C	X	A	A	A	A	A	-
Chlorinated Solvents (Wet & Dry)	X	X	X	X	X	X	A	A	A	B	X
Chlorine (Dry)	X	C	X	C	C	C	A	A	C	A	-
Chlorine (Wet)	X	X	X	X	X	X	A	A	C	A	-
Chlorine Dioxide	X	X	X	X	C	C	A	A	B	B	-
“Chlorine Gas, Dry”	C	C	X	C	X	X	B	A	B	A	B



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
"Chlorine Gas, Wet"	X	C	X	X	X	X	C	A	B	A	C
Chloroacetic Acid	X	X	X	B	B	B	B	A	A	A	A
Chloroacetone	C	X	X	X	X	X	B	A	A	A	X
Chlorobenzene	X	X	X	X	X	X	A	A	B	A	X
Chlorobutadiene	X	X	X	X	X	X	A	A	B	B	-
Chlorobutane (Chlorobutanol)	X	X	X	X	X	X	A	A	B	B	X
Chloroethylbenzene	X	X	X	X	X	X	A	A	A	A	X
Chloroform	X	X	X	X	X	X	A	A	C	A	X
Chlorinated Hydrocarbons	X	X	X	X	X	X	A	A	B	B	X
Chloropentane	X	X	X	X	X	X	A	A	A	A	X
Chlorophenol	X	X	X	X	X	X	B	A	C	A	X
Chloropropanone	X	X	X	X	X	X	X	A	A	A	C
Chlorosulfonic Acid	X	X	X	X	C	X	X	A	X	X	X
Chlorothene	X	X	X	X	X	X	A	A	A	A	X
Chlorotoluene	X	X	X	X	X	X	A	A	C	C	-
Citric Acid	A	A	A	A	A	A	A	A	A	A	A
Coal Oil	B	A	X	X	C	X	A	A	A	A	-
Coal Tar	C	B	X	X	X	X	A	A	A	A	X
Cobalt Chloride	A	A	A	A	A	A	A	A	A	A	-
Coconut Oil (Butter)	B	A	X	X	B	A	A	A	A	A	C
Cod Liver Oil	B	A	X	X	B	A	A	A	A	A	-
Coke Oven Gas	X	X	X	X	B	X	A	A	A	A	-
"Copper Arsenate, Basic"	A	A	A	A	A	A	A	A	A	A	A
Copper Chloride	A	A	A	B	B	A	A	A	A	A	A
Copper Cyanide	B	A	A	A	B	A	A	A	A	A	A
Copper Hydrate	-	B	B	C	B	-	C	A	A	A	A
Copper Hydroxide	-	B	B	C	B	-	C	A	A	A	A
Copper Nitrate	A	A	A	B	A	A	A	A	A	A	A
Copper Nitrite	A	A	A	C	A	A	A	A	A	A	A
Copper Sulfate	A	A	A	C	A	A	A	A	A	A	A
Copper Sulfide	-	A	A	C	A	A	A	A	A	A	A
Corn Oil	B	A	X	X	B	B	A	A	A	A	A
Cotton Seed Oil	B	A	X	X	B	A	A	A	A	A	B
Creosote - Coal Tar	C	B	X	X	C	X	A	A	A	A	X
Creosote - Wood Tar	C	A	X	X	C	X	A	A	A	A	X
Cresylic Acid	X	C	X	X	C	X	A	A	A	A	X



# Chemical Chart

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CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Crotonaldehyde	X	X	X	X	X	A	X	A	A	A	-
Crude Oil	C	A	X	X	X	X	A	A	A	A	A
Cumene	X	X	X	X	X	X	A	A	A	A	-
Cupric Carbonate	A	A	C	C	A	A	A	A	A	A	B
Cupric Chloride	A	A	C	B	A	A	A	A	A	A	B
Cupric Nitrate	A	A	B	B	A	A	A	A	A	A	B
Cupric Nitrite	B	A	C	C	A	A	A	A	A	A	B
Cupric Sulfate	A	A	B	C	A	A	A	A	A	A	B
Cyclohexane	X	B	X	X	X	X	A	A	A	A	X
Cyclohexanol	B	B	X	C	X	X	A	A	A	A	X
Cyclohexanone	X	X	X	X	X	C	X	A	A	A	X
Cyclopentane	A	B	X	X	X	X	A	A	A	A	X
Cyclopentanol	-	B	X	X	X	X	B	A	A	A	B
Cyclopentanone	X	X	X	X	X	X	X	A	A	A	B
D.D.T. in Kerosene	B	A	X	X	X	X	A	A	A	A	X
D.M.P. (Dimethyl Phenois)	X	X	X	X	X	X	X	A	X	X	-
Decahydronaphthalene	X	X	X	X	X	X	A	A	-	-	-
Decalin (Deklin)	X	X	X	X	X	X	A	A	A	A	C
Decane	X	B	X	X	X	X	A	A	A	A	-
Decanol	X	A	A	B	A	A	B	A	A	A	-
Decyl Alcohol	X	A	A	B	A	A	B	A	A	A	-
Decyl Aldehyde	-	X	X	X	X	-	X	A	A	A	-
Decyl Butyl Phthalate	-	X	X	X	X	-	C	A	A	A	X
Denatured Alcohol	A	A	A	A	A	A	A	A	A	A	A
Detergent Solutions	B	A	B	B	A	A	A	A	A	A	A
Diacetone Alcohol (Diacetol)	B	X	X	B	B	B	X	A	A	A	X
Diamyl Phenol	-	X	X	X	X	-	A	A	A	A	X
Diamylamine	B	B	X	B	C	A	X	A	A	A	-
Diamylene	X	C	X	X	X	X	A	A	A	A	-
Dibenzyl Ether	X	X	X	X	X	X	X	A	A	A	X
Dibenzyl Sebecate	X	X	X	X	X	B	B	A	A	A	-
Dibromobenzene	X	X	X	X	X	X	A	A	B	B	X
Dibutyl Amine	X	X	X	X	C	X	X	A	A	A	X
Dibutyl Ether	C	B	X	X	X	C	C	A	A	A	-
Dibutyl Phthalate	X	X	X	X	X	A	B	A	A	A	X
Dibutyl Sebecate	X	X	X	X	X	A	A	A	B	B	X





# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Dicalcium Phosphate	A	A	X	A	A	A	A	A	A	A	-
Dichloro-Difluoro Methane	B	B	X	X	X	C	B	A	B	A	X
Dichloroacetic Acid	-	X	X	B	X	C	X	A	A	A	-
Dichlorobenzene	X	X	X	X	X	X	A	A	A	B	X
Dichloroethane	X	X	X	X	X	X	A	A	A	A	X
Dichloroethyl Ether	X	X	X	X	X	X	X	A	A	A	X
Dichloroethylene	X	X	X	X	X	X	A	A	C	X	X
Dichlorohexane	X	X	X	X	X	X	A	A	A	A	X
Dichloromethane	X	X	X	X	X	X	B	A	A	A	X
Dichloropentane	X	X	X	X	X	X	A	A	A	A	X
Dichloropropane	X	X	X	X	X	X	B	A	A	A	X
Dieldrin in Xylene	X	X	X	X	X	X	B	A	A	A	X
Dieldrin in Xylene & Water Spray	B	B	X	X	X	X	B	A	A	A	-
Diesel Oil	B	A	X	X	C	X	A	A	A	A	C
Diethanol Amine	B	B	B	B	C	A	X	A	A	A	-
Diethyl Amine	B	C	B	B	C	B	C	A	A	A	-
Diethyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Diethyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Diethyl Ether	C	B	X	X	C	X	X	A	A	A	X
Diethyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Diethyl Oxalate	X	X	X	C	X	X	C	A	A	A	X
Diethyl Phthalate	X	X	X	X	X	C	C	A	A	A	X
Diethyl Sebecate	X	X	X	X	C	B	B	A	A	A	X
Diethyl Sulfate	A	X	X	X	X	A	X	A	A	A	-
Diethyl Triamine	B	B	C	B	C	B	C	A	A	A	-
Diethylene Glycol	A	A	A	A	A	A	A	A	A	A	A
Diethylene Triamine	C	B	X	B	C	A	X	A	A	A	-
Dihydroxydiethyl Ether	B	A	A	A	A	A	A	A	A	A	-
Dihydroxyethyl Amine	B	B	B	B	C	B	C	A	A	A	-
Diisobutyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Diisobutylene	X	B	X	X	X	X	A	A	A	A	-
Diisodecyl Adipate	X	X	X	X	X	A	C	A	A	A	-
Diisodecyl Phthalate	X	X	X	X	X	A	C	A	A	A	X
Diisooctyl Adipate	X	X	X	X	X	A	C	A	A	A	-
Diisooctyl Phthalate	X	X	X	X	X	A	C	A	A	A	-
Diisopropanol Amine	X	B	B	B	C	A	C	A	A	A	-



# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Diisopropyl Amine	X	B	B	B	C	A	C	A	A	A	-
Diisopropyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Diisopropyl Ether	X	B	X	X	C	X	X	A	A	A	X
Diisopropyl Ketone	X	X	X	X	X	A	X	A	A	A	X
Dilauryl Ether	X	B	X	X	B	X	C	A	A	A	-
Dimethyl Aniline (Xylidine)	X	X	X	X	X	X	C	A	B	A	-
Dimethyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Dimethyl Carbinol	A	B	B	A	A	B	A	A	A	A	-
Dimethyl Ether	C	A	A	X	B	B	B	A	B	A	-
Dimethyl Formamide (DMF)	X	C	X	X	X	B	X	A	A	A	X
Dimethyl Ketone (Acetone)	C	X	C	B	B	A	X	A	A	A	X
Dimethyl Phenol	X	X	X	X	X	X	A	A	A	A	-
Dimethyl Phthalate	X	X	X	X	X	B	C	A	A	A	X
Dimethyl Sulfate	X	X	X	X	X	X	X	A	A	A	-
Dinitrobenzene	X	X	X	X	X	X	A	A	A	A	X
Dinitrotoluene	X	X	X	X	X	X	B	A	A	A	-
Diethyl Adipate (DOA)	X	X	X	X	X	B	C	A	A	A	X
Diethyl Amine	X	B	B	B	C	A	X	A	A	A	-
Diethyl Phthalate (DOP)	X	X	X	X	X	B	B	A	A	A	X
Diethyl Sebecate (DOS)	X	X	X	X	X	B	B	A	A	A	X
Dioxane (Dioxan)	X	X	X	X	X	B	X	A	A	A	-
Dioxolanes (Dioxolans)	X	X	X	X	X	B	X	A	A	A	-
Dipentene (Limonene)	X	C	X	X	X	X	A	A	A	A	-
Diphenyl (Biphenyl)	X	X	X	X	X	X	A	A	A	A	-
Diphenyl Oxides (Phenyl Ether)	X	X	X	X	C	X	A	A	A	A	X
Diphenyl Phthalate	-	X	X	X	X	-	C	A	A	A	X
Dipropyl Ketone	X	X	X	X	X	B	X	A	A	A	-
Dipropylamine	B	B	B	B	C	A	C	A	A	A	-
Dipropylene Glycol	A	A	A	A	A	A	A	A	A	A	-
Disodium Phosphate	A	A	A	A	A	A	A	A	A	A	A
Divinyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Dodecyl Benzene	X	X	X	X	X	X	A	A	A	A	-
Dodecyl Toluene	X	X	X	X	X	X	A	A	A	A	-
Dow Per (Perchloroethylene)	X	C	X	X	X	X	A	A	A	A	-
Dowtherm A & E	X	X	X	X	C	X	A	A	A	A	-
Dowtherm Oil	X	X	X	X	X	X	A	A	A	A	-



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Dowtherm S.R.-1	A	A	A	A	A	A	A	A	A	A	-
Dry Cleaning Fluids	X	C	X	X	X	X	A	A	B	B	-
Epichlorohydrine	X	X	X	X	C	B	X	A	B	B	X
Ethanol (Ethyl Alcohol)	A	A	A	A	A	A	B	A	A	A	A
Ethanolamine	B	B	C	B	B	B	C	A	A	A	X
Ether	X	B	X	X	X	X	X	A	A	A	X
Ethyl Acetate (Organic Ester)	X	X	X	X	X	B	X	A	A	A	X
Ethyl Acetoacetate	X	X	X	X	X	B	X	A	A	A	X
Ethyl Acrylate	X	X	X	X	X	X	X	A	B	A	X
Ethyl Alcohol (Ethanol)	A	A	A	A	A	A	A	A	A	A	B
Ethyl Aluminum Dichloride	X	X	X	X	X	X	B	A	B	C	-
Ethyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Ethyl Benzoate	X	X	X	X	X	B	A	A	A	A	X
Ethyl Butanol	-	A	A	A	A	A	B	A	A	A	A
Ethyl Butyl Acetate	-	X	X	X	B	-	X	A	A	A	X
Ethyl Butyl Alcohol	A	A	A	A	A	A	B	A	A	A	A
Ethyl Butyl Amine	B	B	B	B	C	B	B	A	A	A	-
Ethyl Butyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Ethyl Butyraldehyde	X	X	X	X	X	-	X	A	A	A	-
Ethyl Cellulose	B	B	B	B	B	B	X	A	A	A	X
Ethyl Chloride	X	A	B	B	X	A	A	A	A	A	X
Ethyl Formate	B	X	X	X	B	B	A	A	A	A	-
Ethyl Hexanol	A	A	A	A	A	A	B	A	A	A	-
Ethyl Hexoic Acid	-	C	X	C	B	A	A	A	-	-	-
Ethyl Hexyl Acetate	-	X	X	X	B	-	X	A	A	A	-
Ethyl Hexyl Alcohol	A	A	A	A	A	A	B	A	-	-	-
Ethyl Iodide	X	X	X	X	X	C	B	A	B	C	-
Ethyl Isobutyl Ether	X	X	X	X	B	X	-	A	A	A	-
Ethyl Methyl Ketone	X	X	X	X	X	A	X	A	A	A	X
Ethyl Oxalate	X	X	X	A	X	B	A	A	A	A	-
Ethyl Phthalate	X	X	X	X	X	B	C	A	A	A	-
Ethyl Propyl Ether	X	C	X	X	B	X	C	A	A	A	-
Ethyl Propyl Ketone	X	X	X	X	X	B	X	A	A	A	-
Ethyl Silicate	A	A	B	B	B	A	A	A	A	A	-
Ethyl Sulfate	A	X	A	X	X	A	X	A	A	A	-
Ethylene	C	A	X	X	A	X	A	A	A	A	-



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Ethylene Bromide	X	X	X	X	X	C	B	A	B	B	A
Ethylene Chloride	X	X	X	X	X	X	B	A	B	A	X
Ethylene Diamine	A	B	B	B	B	A	X	A	A	A	C
Ethylene Dibromide	X	X	X	X	X	X	A	A	C	B	X
Ethylene Dichloride	X	X	X	X	X	X	B	A	B	B	X
Ethylene Glycol	A	A	A	A	A	A	A	A	A	A	A
Ethylene Oxide	X	X	X	X	X	X	X	A	C	A	X
Ethylene Trichloride	X	X	X	X	X	X	A	A	B	X	-
Ex-Tri (Trichloroethylene)	X	X	X	X	X	X	A	A	B	X	X
Fatty Acids	B	A	X	X	C	X	A	A	A	A	A
Ferric Bromide	A	A	A	A	A	A	A	A	A	A	A
Ferric Chloride	A	A	A	A	A	A	A	A	A	A	A
Ferric Nitrate	A	A	A	A	A	A	A	A	A	A	A
Ferric Sulfate	A	A	A	A	A	A	A	A	A	A	A
Ferrous Acetate	X	X	X	X	A	B	X	A	A	A	A
Ferrous Ammonium Sulphate	A	A	A	A	A	A	A	A	A	A	-
Ferrous Chloride	B	A	A	A	A	A	A	A	A	A	A
Ferrous Hydroxide	A	A	C	C	B	A	A	A	A	A	-
Ferrous Sulfate	A	A	A	A	A	A	A	A	A	A	A
Fluorine (Liquid)	X	X	X	X	X	X	X	A	X	A	X
Fluosilicic Acid	A	A	B	A	A	A	A	A	A	A	A
Fluoboric Acid	A	A	A	A	A	A	A	A	A	A	A
Formaldehyde (Formalin)	B	B	C	B	A	A	A	A	A	A	X
Formic Acid (Formylic Acid)	B	C	B	C	A	B	C	A	B	A	X
Freon 12	B	B	X	X	X	C	B	A	B	A	X
Freon 22	B	X	X	X	A	C	X	A	A	A	X
Fuel Oil	B	A	X	X	C	X	A	A	A	A	B
Fuels - ASTM Ref: Fuel A	B	A	X	X	B	X	A	A	A	A	B
Fuels - ASTM Ref: Fuel B	X	B	X	X	X	X	A	A	A	A	X
Fuels - ASTM Ref: Fuel C	X	B	X	X	X	X	A	A	A	A	X
Fumaric Acid	B	A	B	B	B	B	A	A	A	A	-
Furan	X	X	X	X	X	X	X	A	A	A	-
Gallic Acid	B	B	B	A	B	B	A	A	A	A	A
Gasoline	B	A	X	X	X	X	A	A	A	A	X
Gasoline - 100 Octane	B	A	X	X	X	X	A	A	A	A	X
Gasoline - 40% Aromatic	B	A	X	X	X	X	A	A	A	A	X



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Gasoline - 65 Octane	B	A	X	X	X	X	A	A	A	A	X
Gelatin	A	A	A	A	A	A	A	A	A	A	A
Glacial Acetic Acid	X	X	C	C	C	B	X	A	A	A	C
Gluconic Acid	C	C	X	X	B	C	A	A	A	A	-
Glucose	A	A	A	A	A	A	A	A	A	A	A
Glue	A	A	A	B	A	B	A	A	A	A	-
Glycerine	A	A	A	A	A	A	A	A	A	A	A
Glycol	A	A	A	A	A	A	A	A	A	A	A
Grease	B	A	X	X	C	X	A	A	A	A	A
Green Sulfate Liquor	A	A	B	B	A	A	A	A	A	A	A
Halowax Oil	X	X	X	X	X	X	A	A	A	A	-
Heptachlor in Petroleum Solvents	C	C	X	X	X	X	A	A	A	A	-
Heptanal (Heptaldehyde)	-	A	X	X	X	B	X	A	A	A	-
Heptane	A	A	X	X	B	X	A	A	A	A	C
Heptane Carboxylic Acid	B	C	X	X	B	C	A	A	A	A	-
Hexaldehyde	A	X	X	X	C	A	C	A	A	A	X
Hexane	B	A	X	X	B	X	A	A	A	A	C
Hexanol (Hexyl Alcohol)	B	A	A	A	B	B	B	A	A	A	C
Hexyl Methyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Hexylamine	C	C	C	C	C	B	X	A	A	A	-
Hexylene	B	A	X	X	B	X	A	A	C	C	-
Hexylene Glycol	A	A	A	A	A	C	A	A	A	A	C
Hi-Tri (Trichloroethylene)	X	X	X	X	X	X	A	A	B	X	X
Hydraulic Fluids (Pydrauls)	X	X	X	X	X	B	A	A	A	A	X
Hydraulic Oil (Petroleum)	B	A	X	X	B	X	A	A	A	A	A
Hydrobromic Acid	C	X	X	B	A	A	A	A	A	A	-
"Hydrochloric Acid - 38%, 30.1 BE"	C	C	B	A	A	B	A	A	A	A	A
Hydrochloric Acid - 50%	X	X	C	A	B	C	A	A	A	A	A
Hydrochloric Acid - 100%	X	X	C	B	B	C	C	A	A	A	X
Hydrogen Peroxide - 10%	C	C	X	B	B	B	A	A	A	A	A
Hydrocyanic Acid	B	B	B	B	A	A	A	A	A	A	-
Hydrofluoric Acid - 10%	B	B	B	B	A	A	A	A	A	A	B
Hydrofluosilicic Acid	B	B	B	A	A	B	A	A	A	A	B
Hydrogen Dioxide - 10%	C	C	X	B	B	B	A	-	B	A	B
Hydrogen Dioxide - over 10%	X	X	X	X	C	C	A	A	-	B	B
Hydrogen Gas	A	A	B	B	A	B	A	A	A	A	A



# Chemical Chart

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Hydrogen Peroxide - 3%	B	B	B	B	B	B	A	A	A	A	A
Hydrogen Peroxide - 10%	C	C	X	B	B	B	A	A	A	A	A
Hydrogen Peroxide - 30%	X	X	X	C	C	B	A	A	A	A	A
Hydrogen Peroxide - 90%	X	X	X	X	C	C	A	A	B	A	X
Hydrogen Sulfide (Wet)	A	C	X	C	A	A	A	A	A	A	A
Hydrogen Sulfide - Dry	A	A	A	A	A	A	X	A	A	A	A
Hydroquinone	X	X	X	B	C	B	B	A	A	A	A
Hypochlorous Acid	X	X	X	B	X	B	A	A	A	A	A
Iodine (Iodum)	B	-	C	X	A	-	C	A	A	A	X
Iron Acetate	X	X	X	X	A	B	X	A	A	A	A
Iron Hydroxide	A	B	C	C	B	B	C	A	A	A	A
Iron Salts	A	A	A	A	A	A	A	A	A	A	B
Iron Sulfate	A	A	A	A	A	A	A	A	A	A	B
Iron Sulfide	A	A	A	A	A	A	A	A	A	A	B
Isoamyl Acetate	X	X	X	X	C	B	X	A	A	A	X
Isoamyl Alcohol	A	A	A	A	A	A	A	A	A	A	B
Isoamyl Bromide	X	X	X	X	X	X	B	A	B	B	X
Isoamyl Butyrate	X	X	X	X	X	C	X	A	B	B	X
Isoamyl Chloride	X	X	X	X	X	X	A	A	B	B	X
Isoamyl Ether	X	C	X	X	C	X	-	A	A	A	X
Isoamyl Phthalate	X	X	X	X	X	B	C	A	A	A	X
Isobutanol	A	A	A	A	A	A	A	A	A	A	B
Isobutyl Acetate	X	X	X	X	C	C	X	A	A	A	X
Isobutyl Alcohol	A	A	A	A	A	A	A	A	A	A	B
Isobutyl Aldehyde	X	X	C	C	X	B	X	A	A	A	-
Isobutyl Amine	X	X	C	C	C	X	X	A	A	A	-
Isobutyl Bromide	X	X	X	X	X	X	B	A	B	B	-
Isobutyl Carbinol	B	A	A	A	A	A	B	A	A	A	-
Isobutyl Chloride	X	X	X	X	X	X	B	A	B	B	-
Isobutyl Ether	X	X	X	X	B	X	X	A	A	A	-
Isobutylene	X	C	X	X	X	X	A	A	A	A	-
Isooctane	B	A	X	X	B	X	A	A	A	A	C
Isophorone (Ketone)	X	X	X	X	X	C	X	A	B	B	X
Isopropanol	A	A	A	A	A	B	A	A	A	A	-
Isopropyl Acetate	X	X	X	X	X	B	X	A	A	A	X
Isopropyl Alcohol	A	B	A	A	A	B	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Isopropyl Amine	B	X	C	B	C	B	X	A	A	A	-
Isopropyl Benzene	X	X	X	X	X	X	A	A	A	A	X
Isopropyl Chloride	X	X	X	X	X	X	B	A	B	B	-
Isopropyl Ether	C	C	X	X	C	X	C	A	A	A	A
Isopropyl Toluene	X	X	X	X	X	X	A	A	A	A	X
Isopropoanol Amine	-	B	B	B	C	-	-	A	A	A	-
Jet Fuels (JP1 to JP6) (A & A1)	C	A	X	X	C	X	A	A	A	A	X
Kerosene (Kerosine)	B	A	X	X	C	X	A	A	A	A	X
Lactic Acid	A	A	B	A	A	B	A	A	A	A	B
Laquer Solvents	X	X	X	X	X	X	X	A	A	A	X
Laquers	X	X	X	X	X	X	X	A	A	A	X
Lard	B	A	X	X	C	C	A	A	A	A	A
Lauryl Alcohol	A	A	A	A	A	A	B	A	A	A	B
Lead Acetate	C	C	X	X	A	B	X	A	A	A	A
Lead Nitrate	A	A	A	A	A	A	A	A	A	A	A
Lead Sulfamate	A	B	B	B	B	A	A	A	A	A	A
Lead Sulfate	A	B	A	A	A	A	A	A	A	A	A
Ligroin (Ligroine)	B	A	X	X	X	X	A	A	A	A	X
Lindol (Tricresyl Phosphate)	X	X	X	X	B	A	A	A	A	A	X
Linseed Oil	B	A	X	X	B	B	A	A	A	A	A
Liquid Soap	A	A	A	A	A	A	A	A	A	A	A
Lubricating Oils	B	A	X	X	C	X	A	A	A	A	A
Lye (Sodium Hydroxide)	B	B	B	A	B	B	X	A	A	A	B
Magnesium Acetate	X	X	X	X	X	B	X	A	A	A	A
Magnesium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Magnesium Chloride	A	A	A	A	A	A	A	A	A	A	A
Magnesium Hydrate	B	B	B	A	B	A	B	A	A	A	A
Magnesium Hydroxide	B	B	B	A	A	A	A	A	A	A	A
Magnesium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Magnesium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Maleic Acid	C	X	X	X	C	C	A	A	B	A	-
Maleic Anhydride	-	-	C	B	-	C	A	A	A	A	-
Malic Acid	C	B	B	A	B	X	A	A	A	A	A
Manganese Sulfate	A	A	A	B	A	A	A	A	A	A	A
Manganese Sulfide	B	A	A	C	A	B	A	A	A	A	A
Manganese Sulfite	B	A	A	C	A	B	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Mercuric Chloride	B	A	A	B	A	B	A	A	A	A	B
Mercury	A	A	A	A	A	A	A	A	A	A	B
Mesityl Oxide	X	X	X	X	X	B	X	A	A	A	-
Methallyl Alcohol	-	A	A	A	A	A	B	A	A	A	B
Methanal - 40%	B	B	B	B	A	A	A	A	A	A	-
Methane	B	A	X	X	B	X	A	A	A	A	A
Methanol	A	A	A	A	A	A	X	A	A	A	B
Methyl Acetate	X	X	X	X	B	A	X	A	A	A	X
Methyl Acetoacetate	X	X	X	X	X	B	X	A	A	A	X
Methyl Acrylic Acid	B	X	X	X	-	B	B	A	A	A	-
Methyl Alcohol (Methanol)	A	A	A	A	A	A	B	A	A	A	C
Methyl Amyl Acetate	X	X	X	X	B	X	X	A	A	B	A
Methyl Amyl Alcohol	A	A	A	A	A	A	B	A	A	A	A
Methyl Amyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Methyl Amyl Ketone	X	X	X	X	X	-	X	A	A	A	X
Methyl Benzene (Toluene)	X	C	X	X	X	X	A	A	A	A	X
Methyl Bromide	X	C	X	X	X	B	A	A	A	A	X
Methyl Butanol	A	A	A	A	A	-	B	A	A	A	C
Methyl Butonone	X	X	X	X	X	B	X	A	A	A	-
Methyl Butyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methyl Carbitol	-	C	X	X	A	-	-	A	A	A	-
Methyl Cellosolve	B	C	X	X	B	B	X	A	A	A	C
Methyl Cyclohexane	X	X	X	X	X	X	B	A	B	A	-
Methyl Ethyl Ketone (M.E.K)	X	X	X	X	X	B	X	A	B	B	X
Methyl Hexanol	A	A	A	A	A	A	B	A	A	A	-
Methyl Hexanone	X	X	X	X	X	-	X	A	A	A	-
Methyl Hexyl Ketone	X	X	X	X	X	X	X	A	A	A	X
Methyl Isobutyl Carbinol	B	B	C	B	A	A	B	A	A	A	-
Methyl Isobutyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methyl Isopropyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methyl Methacrylate	X	X	X	X	B	X	X	A	B	B	-
Methyl Normal Amyl Ketone	X	X	X	X	X	-	X	A	A	A	X
Methyl Propyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Methyl Propyl Ether	X	X	X	X	B	X	X	A	A	A	-
Methyl Propyl Ketone	X	X	X	X	X	B	X	A	A	A	X
Methylacrylic Acid	B	X	X	X	C	B	B	A	A	A	-





# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Methylallyl Acetate	X	X	X	X	B	A	X	A	A	A	-
Methylallyl Chloride	X	X	X	X	X	-	C	A	B	A	-
Methylene Bromide	X	X	X	X	X	X	B	A	B	B	-
M.I.B.K.	X	X	X	X	X	B	X	A	A	A	X
Methyl Formate	B	X	X	X	C	B	X	A	B	B	-
Mineral Oil	B	A	X	X	B	X	A	A	A	A	B
Mineral Spirits	C	A	X	X	X	X	A	A	A	A	C
Monochloroacetic Acid	X	X	X	B	X	X	-	A	A	A	-
Monochlorobenzene	X	X	X	X	X	X	A	A	A	A	X
Monochlorodifluoromethane	A	X	X	X	X	A	X	A	A	A	X
Monoethanolamine	C	B	B	B	B	B	X	A	A	A	-
Monoethyl Aniline	X	X	X	X	X	X	C	A	-	-	-
Monoisopropanol Amine	-	B	B	B	C	-	-	A	A	A	-
Monomethyl Ether	B	A	B	B	C	A	A	A	A	A	X
Monovinyl Acetate	X	X	X	X	C	C	C	A	A	A	-
Muriatic Acid	X	X	B	A	B	C	A	A	A	A	A
Naphtha	X	A	X	X	X	X	A	A	A	A	X
Naphthalene	X	X	X	X	X	X	A	A	A	A	C
Naphthenic Acid	X	C	X	X	X	X	A	A	A	A	-
Neat's Foot Oil	B	A	X	X	B	B	A	A	A	A	-
Neohexane	-	A	X	X	X	X	A	A	A	A	-
Neu-Tri (Trichloroethylene)	X	X	X	X	X	X	A	A	A	A	X
Nickel Acetate	B	B	X	A	X	A	X	A	A	A	-
Nickel Chloride	A	A	A	A	A	A	A	A	A	A	A
Nickel Nitrate	A	A	A	A	A	A	A	A	A	A	A
Nickel Sulfate	A	A	B	A	A	A	A	A	A	A	A
Niter Cake	A	A	A	A	A	A	A	A	A	A	C
Nitric Acid - 10% 7.5 BE	X	X	X	X	B	B	A	A	A	A	A
Nitric Acid - 25%	X	X	X	X	X	B	A	A	A	A	B
Nitric Acid - 35% 26.0 BE	X	X	X	X	X	C	B	A	C	A	B
Nitric Acid - 50%	X	X	X	X	B	X	C	A	C	A	X
Nitric Acid - 69% 42.1 BE	X	X	X	X	B	X	C	A	X	A	X
Nitric Acid - Red Fuming	X	X	X	X	X	X	X	A	X	X	X
Nitrobenzene	X	X	X	X	X	X	B	A	A	A	X
Nitrogen	A	A	A	A	A	A	A	A	A	A	A
Nitrogen Tetroxide	X	X	X	X	X	X	X	A	X	X	X



CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Nitromethane	C	X	B	B	C	B	X	A	A	A	X
Nitrous Oxide	A	A	A	A	A	A	A	A	A	A	A
Octadecanoic Acid	B	A	X	X	X	B	C	A	A	A	-
Octane	B	A	X	X	X	X	A	A	A	A	-
Octanol (Octyl Alcohol)	A	A	B	B	B	A	B	A	A	A	X
Octyl Acetate	X	X	X	X	A	B	X	A	A	A	X
Octyl Amine	B	C	C	C	C	B	X	A	A	A	-
Octyl Carbinol	A	A	A	A	A	A	B	A	A	A	-
Octylene Glycol	A	A	A	A	A	A	A	A	A	A	-
Oleic Acid	C	A	X	X	C	C	A	A	A	A	A
Oleum	X	X	X	X	X	X	X	A	X	X	X
Olive Oil	B	A	X	X	B	B	A	A	A	A	A
Orthodichlorobenzene	X	X	X	X	X	X	A	A	A	A	X
Oxalic Acid	B	C	B	C	B	A	C	A	A	A	A
Oxygen	A	B	B	B	B	B	A	A	A	A	A
Ozone	B	X	X	X	A	A	A	A	A	A	C
Paint Thinner Duco	X	X	X	X	X	X	B	A	A	A	X
Palm Oil	C	A	X	X	B	X	A	A	A	A	B
Palmitic Acid	B	A	X	X	B	B	A	A	B	A	C
Paper Makers Alum	A	A	A	A	A	A	A	A	A	A	B
Paradichlorobenzene	X	X	X	X	X	X	A	A	B	B	X
Paraffins	A	A	X	X	X	X	A	A	X	A	B
Paraformaldehyde	B	B	X	X	B	B	C	A	A	A	-
Paraldehyde	X	X	C	C	X	B	X	A	A	A	-
Paraxylene	X	C	X	X	X	X	A	A	A	A	-
Peanut Oil	B	A	X	X	B	X	A	A	A	A	-
Pentane	B	A	X	X	C	X	A	A	A	A	C
Pentanol	A	A	B	A	A	A	A	A	A	A	C
Pentanone	X	X	X	X	X	B	X	A	A	A	-
Perchloric Acid	A	X	X	B	A	B	A	A	A	A	C
Perchloroethylene	X	X	X	X	X	X	A	A	B	A	X
Petroleum - Crude	B	A	X	X	X	X	A	A	A	A	C
Petroleum Ether (Ligroin)	B	A	X	X	X	X	A	A	A	A	X
Phenol (Carbolic Acid)	X	X	X	X	X	X	A	A	A	A	X
Phenyl Hydrazine	X	X	B	A	C	C	A	A	A	A	X
Phorone	X	X	X	X	X	B	X	A	A	A	-

# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Phosphate Esters	X	X	X	X	X	A	C	A	A	A	-
Phosphoric Acid - 10%	B	A	A	A	A	A	A	A	A	A	A
Phosphoric Acid - 10% to 85%	B	X	X	B	B	B	A	A	A	A	A
Phosphorous Trichloride Acid	X	X	X	X	X	A	A	A	A	A	X
Pickling Solution	X	X	X	X	A	C	B	A	A	A	X
Picric Acid (Molten)	C	C	C	C	B	C	B	A	X	X	X
"Picric Acid, Water Solution"	B	B	B	A	A	B	A	A	A	A	-
Pine Oil	X	B	X	X	X	X	A	A	A	A	C
Pinene	X	B	X	X	X	X	A	A	A	A	-
Piperidine	X	X	X	X	X	X	X	A	B	B	-
Pitch	B	A	X	X	B	X	A	A	A	A	B
Plating Solutin - Cadmium	A	A	A	A	A	A	A	A	A	A	A
Plating Solution - Chrome	X	X	X	X	C	A	A	A	A	A	B
Plating Solution - Lead	B	B	-	A	-	A	A	A	A	A	A
Plating Solution - Zinc	B	B	-	B	-	A	A	A	A	A	A
Polyethylene Glycol	A	A	A	A	A	A	A	A	A	A	B
Polypropylene Glycol	A	A	A	A	A	A	A	A	A	A	C
Polyvinyl Acetate Emulsion	B	B	C	C	B	A	C	A	A	A	C
Postassium Sulfate	A	A	A	A	A	A	A	A	A	A	A
Potassium Acetate	B	B	X	X	B	A	X	A	A	A	A
Potassium Bicarbonate	A	A	A	A	A	A	A	A	A	A	A
Potassium Bisulfite	A	A	A	A	A	A	A	A	A	A	A
Potassium Carbonate	A	A	A	A	A	A	A	A	A	A	A
Potassium Chlorate	A	A	A	A	A	A	A	A	A	A	A
Potassium Chloride	A	A	X	A	A	A	A	A	A	A	A
Potassium Chromate	A	A	B	B	C	B	A	A	B	B	B
Potassium Cyanide	A	A	A	A	A	A	A	A	A	A	A
Potassium Dichromate	A	A	X	X	B	A	A	A	A	A	A
Potassium Hydrate	B	B	B	B	A	B	C	A	A	A	A
Potassium Hydroxide	B	B	B	B	A	B	C	A	A	A	-
Potassium Nitrate	A	A	A	A	A	A	A	A	A	A	A
Potassium Permanganate	A	B	A	A	B	A	A	A	A	A	X
Potassium Silicate	A	A	A	A	A	A	A	A	A	A	B
Potassium Sulfide	A	A	A	A	A	A	A	A	A	A	A
Potassium Sulfite	A	A	A	A	A	A	A	A	A	A	A
Producer Gas	B	A	X	X	B	X	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Propane	USE BUTANE PROPANE HOSE ONLY										
Propanediol	B	A	A	A	A	A	A	A	A	A	B
Propanol	A	A	A	A	A	A	A	A	A	A	A
Propyl Acetate	X	X	X	X	X	B	X	A	A	A	X
Propyl Alcohol (Propanol)	A	B	A	A	A	A	A	A	A	A	A
Propyl Aldehyde	X	X	C	X	X	B	X	A	A	A	A
Propyl Chloride	C	X	X	X	X	C	B	A	B	B	-
Propylene Diamine	B	B	B	B	C	B	C	A	A	A	-
Propylene Dichloride	X	X	X	X	X	X	B	A	B	B	X
Propylene Glycol	B	A	A	A	A	A	A	A	A	A	C
Pyranol (Transformer Oil)	B	A	X	X	X	X	A	A	A	A	-
Pyridine	X	X	X	X	X	B	X	A	A	A	X
Pyroligneous Acid	X	X	X	X	B	B	X	A	A	A	-
Pyrrole	X	X	C	C	X	X	X	A	A	A	-
Rapeseed Oil	B	B	X	X	B	A	A	A	A	A	-
Red Oil (Crude Oleic Acid)	B	A	X	X	B	B	A	A	A	A	X
Rosin Oil	A	A	X	X	B	X	A	A	A	A	-
Sal Ammoniac	A	A	A	A	A	A	A	A	A	A	A
Salicylic Acid	X	B	A	A	A	A	A	A	A	A	B
Salt Water	A	A	A	A	A	A	A	A	A	A	A
Sewage	B	A	C	C	A	B	A	A	A	A	A
Silicate Esters	A	B	X	X	B	X	A	A	A	A	X
Silicone Greases	A	A	A	A	A	A	A	A	A	A	B
Silicone Oils	A	A	C	C	A	A	A	A	A	A	B
Sillicate of Soda	A	A	A	A	A	A	A	A	A	A	-
Silver Nitrate	A	B	A	A	A	A	A	A	A	A	A
Soap Solutions	B	A	B	B	A	A	A	A	A	A	A
Soda - Caustic	A	B	B	A	A	A	X	A	A	A	A
Soda - Lime	A	B	B	A	B	A	B	A	A	A	A
Soda - Niter	B	B	B	B	A	A	A	A	A	A	A
Soda Ash	A	A	A	A	A	A	A	A	A	A	A
Sodium Acetate	B	X	X	X	B	A	X	A	A	A	A
Sodium Aluminate	A	A	A	A	A	A	A	A	A	A	A
Sodium Bicarbonate	A	A	A	A	A	A	A	A	A	A	A
Sodium Bisulfite	A	A	A	A	A	A	A	A	A	A	A
Sodium Borate	A	A	A	A	A	A	A	A	A	A	A



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Sodium Carbonate (Soda Ash)	A	A	A	A	A	A	A	A	A	A	A
Sodium Chloride	A	A	A	A	A	A	A	A	A	A	A
Sodium Chromate	A	A	B	B	C	B	A	A	B	B	B
Sodium Cyanide	A	A	A	A	A	A	A	A	A	A	A
Sodium Dichromate	A	A	X	X	B	A	A	A	A	A	A
Sodium Fluoride	A	A	A	A	A	A	A	A	A	A	X
Sodium Hydrate	B	B	B	A	B	A	B	A	A	A	B
Sodium Hydrochlorite	C	C	B	C	A	B	A	A	B	B	B
Sodium Hydroxide	A	B	A	A	B	A	B	A	A	A	B
Sodium Hypochlorite	X	X	X	X	C	B	B	A	B	C	A
Sodium Metaphosphate	B	A	A	A	B	A	A	A	A	A	B
Sodium Nitrate	B	B	B	B	A	A	A	A	A	A	A
Sodium Nitrite	A	A	B	B	A	A	A	A	A	A	A
Sodium Perborate	B	B	B	B	B	A	A	A	A	A	A
Sodium Peroxide	B	B	B	B	B	A	A	A	B	A	X
Sodium Phosphates	A	A	A	A	A	A	A	A	A	A	A
Sodium Silicates	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulfates	A	A	B	A	A	A	A	A	A	A	A
Sodium Sulfide	A	A	B	A	A	A	A	A	A	A	A
Sodium Sulfites	A	A	B	A	A	A	A	A	A	A	A
Sodium Thiosulfate	A	A	B	A	A	A	A	A	A	A	A
Soybean Oil	A	A	X	X	A	X	A	A	A	A	A
Stannic Chloride	A	A	A	A	A	A	A	A	A	A	A
Stannic Sulfide	A	A	A	A	A	A	A	A	A	A	B
Stannous Chloride	A	A	A	A	A	B	A	A	A	A	A
Stannous Sulfide	A	A	A	A	A	A	A	A	A	A	B
Stearic Acid	B	A	B	X	C	B	A	A	A	A	B
Stoddard Solvent	C	A	X	X	X	X	A	A	A	A	C
Styrene	X	X	X	X	X	X	B	A	B	B	X
Sucrose Solution	A	A	A	A	A	A	A	A	A	A	A
Sulfamic Acid	B	B	C	B	B	B	A	A	A	A	-
Sulfite Cellulose Liquors	A	A	B	B	A	B	A	A	A	A	-
Sulfonic Acid	X	X	X	X	C	X	X	A	B	B	B
Sulfur Chloride	X	X	X	X	B	X	A	A	B	A	C
Sulfur Dioxide	B	X	C	C	B	B	A	A	A	A	X
Sulfur Hexafluoride	A	B	X	X	A	A	A	A	A	A	B



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Sulfur Trioxide (Dry)	X	X	X	X	X	C	A	A	B	A	A
Sulfuric Acid - 25%	A	B	B	B	A	A	A	A	A	A	A
Sulfuric Acid - 25% to 50%	B	C	X	B	B	B	A	A	A	A	A
Sulfuric Acid - 50% to 96%	C	X	X	X	B	B	A	A	A	A	X
Sulfuric Acid - Fuming	X	X	X	X	X	X	X	A	X	X	X
Sulfuric Acid - Oleum	X	X	X	X	X	X	X	A	X	X	X
Sulfurous Acid	B	C	C	B	A	B	A	A	A	A	X
Tall Oil	B	A	X	X	C	X	A	A	A	A	X
Tallow	B	A	X	X	C	X	A	A	A	A	B
Tannin (Tannic Acid)	A	A	B	A	A	A	A	A	A	A	A
“Tar, Bituminous”	C	B	X	X	A	X	A	A	X	X	X
Tartaric Acid	A	A	B	A	A	B	A	A	A	A	A
Terpineol (Terpilenol)	X	C	X	X	X	C	A	A	B	B	-
Tertiary Butyl Alcohol	A	A	A	A	A	A	A	A	A	A	A
Tetrachlorobenzene	X	X	X	X	X	X	B	A	B	B	X
Tetrachloroethane	X	X	X	X	X	X	A	A	C	A	X
Tetrachloroethylene	X	X	X	X	X	X	A	A	B	A	X
Tetrachloromethane	X	C	X	X	X	X	A	A	C	A	-
Tetrachloronaphthalene	X	X	X	X	X	X	B	A	B	B	X
Tetradecanol	-	A	A	A	A	A	B	A	A	A	-
Tetraethyl Lead	X	B	X	X	X	X	A	A	A	A	B
Tetraethylene Glycol	A	A	A	A	A	A	A	A	A	A	X
Tetrahydrofuran (THF)	X	X	X	X	X	X	X	A	A	A	X
Tin Chlorides	A	A	A	A	A	A	A	A	A	A	A
Tin Tetrachloride	A	A	A	A	A	A	A	A	A	A	A
Titanium Tetrachloride	X	C	X	X	X	X	A	A	A	A	X
Toluene (Toluol)	X	X	X	X	X	X	A	A	A	A	X
Toluene Diisocyanate (TDI)	X	X	X	C	X	A	B	A	A	A	X
Transmission Fluid Type A	C	B	X	X	X	X	A	A	A	A	X
Triacetin	B	B	C	B	B	A	X	A	A	A	-
Tributyl Amine	B	B	B	B	C	A	X	A	A	A	-
Tributyl Phosphate	X	X	X	X	X	C	X	A	A	A	X
Trichlorobenzenes	X	X	X	X	X	X	B	A	B	B	X
Trichloroethane	X	X	X	X	X	X	A	A	A	A	X
Trichloroethylene	X	X	X	X	X	X	A	A	A	C	X
Trichloropropane	X	X	X	X	X	X	A	A	A	A	-



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Tricresyl Phosphate (TCP)	C	X	X	C	C	A	B	A	A	A	X
Tridecanol (Tridecyl Alcohol)	-	A	A	A	A	A	B	A	A	A	A
Triethanol Amine (TEA)	A	B	B	B	A	B	B	A	A	A	C
Triethyl Amine	B	A	B	B	A	B	B	A	A	A	B
Triethylene Glycol	A	A	A	A	A	A	A	A	A	A	A
Trinitrotoluene (Trinitrotoluol)	B	X	X	X	B	X	A	A	X	-	-
Triphenyl Phosphate	C	X	X	X	C	B	C	A	A	A	-
Trisodium Phosphate	A	A	A	A	A	A	A	A	A	A	A
Tung Oil	B	A	X	X	B	X	B	A	A	A	-
Turbine Oil	B	B	X	X	B	X	A	A	A	A	-
Turpentine	X	B	X	X	X	X	A	A	A	A	C
Two Four D With 10% Fuel Oil	A	A	X	X	X	X	A	A	A	A	-
U.D.M.H	B	B	X	A	A	A	X	A	C	C	-
Ucon Hydrolube Oils	B	A	X	X	X	A	B	A	A	A	B
Undecanol	A	A	A	A	A	A	B	A	A	A	A
Unsymmetrical Dimethyl Hydrazine	B	B	X	A	A	A	X	A	C	C	-
Uran	B	B	C	B	B	B	C	A	A	A	-
Urea	B	B	C	A	A	A	A	A	A	A	A
"V.M. & P, Naphtha"	B	A	X	X	X	X	A	A	A	A	X
Varnish	X	B	X	X	X	X	A	A	A	A	X
Vegetable Oils	B	A	X	X	B	A	A	A	A	A	B
Versilube	A	A	A	A	A	A	A	A	A	A	-
Vinegar	B	B	B	B	A	A	A	A	A	A	X
Vinyl Acetate	X	X	X	X	C	B	A	A	B	X	X
Vinyl Benzene	X	X	X	X	X	X	A	A	B	A	X
Vinyl Chloride	X	X	X	C	X	C	A	A	A	A	X
Vinyl Ether	X	B	X	X	B	X	X	A	A	A	X
Vinyl Toluene	X	X	X	X	X	X	A	A	A	A	X
Vinyl Trichloride	X	X	X	X	X	X	A	A	A	A	X
Water-Fresh	A	A	A	A	A	A	A	A	A	A	A
"Water, Salt"	A	A	A	A	A	A	A	A	A	A	A
White Liquor	A	A	A	A	A	A	A	A	A	A	A
White Oil	B	A	X	X	X	X	A	A	A	A	-
Wood Alcohol (Methanol)	A	A	A	A	A	A	X	A	A	A	
CXylene (Xylol)	X	X	X	X	X	X	A	A	A	X	X
Xylidine	X	X	X	X	X	X	C	A	B	B	X



# Chemical Chart

CHEMICAL	NEOPRENE	NITRILE	SBR	NATURAL	HYPALON	EPDM	VITON	TEFLON	XLPE	UHMW	PVC
Zeolites	A	A	A	A	A	A	A	A	A	A	-
Zinc Acetate	B	B	X	A	C	A	X	A	A	A	-
Zinc Carbonate	A	A	A	A	A	A	A	A	A	A	B
Zinc Chloride	A	A	A	A	A	A	A	A	A	A	B
Zinc Chromate	A	A	C	A	C	A	A	A	B	A	B
Zinc Sulfate	A	A	A	A	A	A	A	A	A	A	B

