ARBO "Born – to resist corrosion"

Chemical Compatability Guide Elastomers

1 = Excellent 2 = Good 3 = Doubtful 4 = Do not use * = Special Formulation		NBR	EPDM	VITON	PTFE
ARBO Mat. Code Prefix>		**N**	**E**	**V**	**T**
Chemical or Media					
Acetaldehyde		3	2	4	1
Acetamide		1	1	3	1
Acetic acid (dilute)		2	1	1*	1
Acetic acid (glacial)		2	2	2*	1
Acetic acid (hot, high pressure)		4	3	2*	1
Acetic anhydride		4	2	4	1
Acetic oxide (Acetic anhydride)					
Acetone		4	1	4	1
Acetone cyanohydrin		4	4	4	1
Acetonitrile (Methyl cyanide)					
Acetophenone		4	1	4	1
Acetyl acetone		4	1	4	1
Acetyl chloride		4	4	1	1
Acetyl salicylic acid (Aspirin)		2	4		1
Acetylene (Ethyne)		1	1	1	1
Acetylene tetrabromide		4	1	1	1
Acrolein (Acrylaldehyde)					
Acrylaldehyde		2	1	1	1
Acrylonitrile (Vinyl cyanide)		4	4	3	1
Adipic acid		1	2	1	1
Alkane (Dodecyl benzene)		4		1	1
Alkane sulfonic acid					1
Alkazene (Dibromoethylbenzene)					
Alkyl aryl sulfonate					1
Allyl alcohol		1	2	2	1
Allyl bromide		4		2	1
Allyl chloride		2	2	2	1
Alum		1	1	1	1
Aluminium acetate		2	1	3	1
Aluminium bromide		1	1	1	1
Aluminium chloride		1	1	1	1
Aluminium fluoride		1	1	1	1
Aluminium hydroxide		2	2	2*	1
Aluminium nitrate		1	1	1	1
Aluminium phosphate		1	1	1	1
Aluminium potassium sulfate		1	1	1*	1
Aluminium salts		1	1	1	1
Aluminium sodium sulfate		1		1	1
Aluminium sulfate		1	1	1	1

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Chemical or Media				
Amines	4	2	4	1
Aminobenzene (Aniline)	4	2	3	1
Aminobutane (Butyl amine)				
Aminosalicylic acid				1
Ammonia , anhydrous	2	1	4	1
Ammonia gas, cold	1	1	4	1
Ammonia gas, hot	4	2	4	1
Ammonium acetate	1	1	1*	1
Ammonium bicarbonate	1	1	1	1
Ammonium bifluoride	2	2	2	1
Ammonium bisulfite				1
Ammonium bromide				1
Ammonium carbonate	4	1	2*	1
Ammonium chloride	1	1	1	1
Ammonium cupric sulfate	1		1	1
Ammonium dichromate	1	1	3	1
Ammonium fluoride	1	1	1	1
Ammonium fluosilicate				1
Ammonium hydrogen fluoride	2	2	2	1
Ammonium hydroxide, 3 molar	2	1	2	1
Ammonium hydroxide, conc.	4	1	2*	1
Ammonium iodide				1
Ammonium nitrate	1	1	2	1
Ammonium nitrite	1	1	3	1
Ammonium oxalate	1			1
Ammonium perchlorate				1
Ammonium persulfate	4	1	3	1
Ammonium phosphate	1	1	4	1
Ammonium salts	1	1	3	1
Ammonium sulfate	1	1	4	1
Ammonium sulfide	3	1	4	1
Ammonium sulfite	1		1	1
Ammonium thiocyanate	1	1	1	1
Ammonium thiosulfate	1	1	1	1
Amyl acetate	4	1	4	1
Amyl alcohol (Pentanol)	2	1	2	1
Amyl amine	2			1
Amyl borate	1	4	1	1
Amyl chloride (Chloropentane)	3	4	1*	1
Amyl chloronaphthalene	4	4	1	1
Amyl naphthalene	4	4	1	1
Amyl nitrate	1			1
Amyl phenol	4		1	1
Aniline (Aminobenzene)				
Aniline dyes	4	2	2	1
Aniline hydrochloride	3	3	2	1
Aniline oil	4	2	3	1
Aniline sulfate				1

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Chemical or Media					
Animal oils & fats		1	2	1	1
Anisole (Methyl phenyl ether)					
Anone (Cyclohexanone)					
Anthraquinone		2	1		1
Antifreeze					
Antimony pentachloride		4			1
Antimony trichloride		1	2	2*	1
Aqua regia		4	3	2*	1
Argon		3	1	1	1
Aromatic fuels		2	4	1	1
Arsenic acid		2	1	1	1
Arsenic trichloride		2	3	4	1
Ascorbic acid				1	1
Askarel		2	4	1	1
Asphalt		2	4	1	1
ASTM fluid 101		3	4	1	1
ASTM fuel A (aliphatic)		1	4	1	1
ASTM fuel B (30% aromatic)		1*	4	1	1
ASTM fuel C (50% aromatic)		2*	4	1	1
ASTM fuel D		1	4	1	1
ASTM oil 1 (high aniline)		1	4	1	1
ASTM oil 2 (medium aniline)		1	4	1	1
ASTM oil 3 (low aniline)		1	4	1	1
ASTM oil 4 (high aniline)		2	4	1	1
Automatic transmission fluid		1*	4	1	1
Automotive brake fluids					
Barium carbonate		1	1	1	1
Barium chlorate					1
Barium chloride		1	1	1	1
Barium cyanide		3		1	1
Barium hydrate		1	1	1	1
Barium hydroxide		1	1	1	1
Barium nitrate		1			1
Barium salts		1	1	1	1
Barium sulfate		1	1	1	1
Barium sulfide		1	1	1	1
Beer		1*	1*	1*	1
Benzal chloride		4	4	1	1
Benzaldehyde		4	1	4	1
Benzene (Benzol)		4	4	1*	1
Benzene sulfonic acid, 10%		4	4	1	1
Benzine (Ligroin) (Nitrobenzine)		1	4	1	1
Benzochloride		4	1	1	1
Benzoic acid		4	4	1	1
Benzophenone		4	2	1*	1
Benzoyl chloride		4	4	1	1
Benzoyl peroxide					1
Benzyl acetate		4		4	1

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Chemical or Media				
Benzyl alcohol	4	2	1*	1
Benzyl benzoate	4	2	1	1
Benzyl chloride (Chlorotoluene)	4	4	1	1
Benzyl dichloride	4	4	1	1
Beryllium chloride				1
Beryllium sulfate				1
Biphenyl (Phenylbenzene)				
Bismuth carbonate	1	1	1	1
Black sulfate liquors (cold)	2	2	1	1
Blast furnace gas	4	4	1	1
Bleach liquor	3	1	1	1
Borax (Sodium borate)				
Bordeaux mixture	2	1	1	1
Boric acid (Boracic acid)	1	1	1	1
Boron fluids (HEF)	2	4	1	1
Boron trichloride				1
Brake fluid (glycol base)	3	1	4	1
Brake fluid (mineral oil base)	1	4	1	1
Brake fluid (silicone oil base)	3	1	4	1
Brine (Salt water)	1	2	1*	1
Bromide	4	4	1	1
Bromine	4	4	1	1
Bromine pentafluoride	4	4	4	
Bromine trifluoride	4	4	4	4
Bromobenzene	4	4	1	1
Bromochloro trifluoroethane	4	4	1	1
Bromochloromethane	4	2	2*	1
Bromoethane (Ethyl bromide)				
Bromotoluene	4		2	1
Bromotrifluoromethane	1	1	1	1
Bunker oil	1	4	1	1
Butadiene	4	4	1	1
Butane (Butyl hydride) (LPG)	1	4	1	1
Butanediol	4	1	1*	1
Butanol (Butyl alcohol)	2	2	1	1
Butene (Butylene)				
Butoxyethanol (Butyl cellosolve)				
Butter				
Butydigol (Butyl carbitol)				
Butyl acetate	4	2	4	1
Butyl acetyl ricinoleate	2	1	1	1
Butyl acrylate	4	4	4	1
Butyl alcohol (Butanol)				
Butyl amine (Aminobutane)	3	3	4	1
Butyl benzoate	4	1	1	1
Butyl bromide	4		2	1
Butyl butyrate	4	1	1	1
Butyl carbitol	4	1	2*	1

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Butyl cellosolve (Butoxyethanol)		3	2	4	1
Butyl chloride (Chlorobutane)					
Butyl ether		3	3	4	1
Butyl hydride (Butane)					
Butyl oleate		4	2	1	1
Butyl phenol		4	4	1*	1
Butyl phthalate (Dibutyl phthalate)					
Butyl stearate		2	4	1	1
Butylene (Butene)		2	4	1	1
Butyraldehyde		4	2	4	1
Butyric acid		4	2	2	1
Butyric anhydride		3			1
Butyrone (Dipropyl ketone)		4		4	1
Cadmium chloride					1
Cadmium nitrate					1
Cadmium sulfate					1
Calcine liquors		1	1	1	1
Calcium acetate		3	2	4	1
Calcium bisulfate		1	2	1	1
Calcium bisulfide		1		1	1
Calcium bisulfite		1	4	1	1
Calcium bromide					1
Calcium carbonate		1	1	1	1
Calcium chlorate		1	1	1	1
Calcium chloride		1	1	1	1
Calcium cyanide		1	1	1	1
Calcium hydrosulfide		1		1	1
Calcium hydroxide		1	1	1	1
Calcium hypochloride		4	1	1	1
Calcium hypochlorite		3	1	1	1
Calcium nitrate		1	1	1	1
Calcium oxichloride		2	2	1	1
Calcium oxide		1	1		1
Calcium permanganate		1		1	1
Calcium phosphate		1	1	1	1
Calcium salts		1	1	1	1
Calcium silicate		1	1	1	1
Calcium sulfate (Gypsum)		1	1	1	1
Calcium sulfhydrate		1		1	1
Calcium sulfide		2	1	1	1
Calcium sulfite		1	1	1	1
Calcium thiosulfate		2	1	1	1
Caliche liquors		1	1	1	1
Camphor		1	4	2	1
Cane sugar liquor		2	1	1	1
Capric acid (Caproic acid)					1
Caproic aldehyde		4	2	4	1
Capryl alcohol (Octanol)					

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Carbamate	3	2	1	1
Carbinol (Methanol)				
Carbitol	2	2	2	1
Carbolic acid (Phenol)	4	2	1	1
Carbon bisulfide	4	4	1	1
Carbon dioxide, dry	1	2	2	1
Carbon dioxide, wet	1	2	2	1
Carbon disulfide	4	4	1	1
Carbon monoxide	1	2	1	1
Carbon tetrachloride	2	4	1	1
Carbonic acid	2	1	1	1
Castor oil	1	2	1	1
Caustic potash	2	1	2	1
Caustic soda	2	1	2	1
Cellosolve	4	2	4	1
Cellosolve, acetate	4	2	4	1
Cellosolve, butyl	4	2	4	1
Cellosolve, methyl	4	2	4	1
Cellulose acetate (CA)	4	2	4	1
Cetane (Hexadecane)	1	4	1	1
Cetyl alcohol				1
China Wood oil (Tung oil)				
Chloral hydrate	4	3	3	1
Chloramine-T	1	1		1
Chlordane	2	4	1	1
Chlorextol	2	4	1*	1
Chloric acid	4	1	1*	1
Chlorinated brine	4	4	1*	1
Chlorinated lime	2	2	1	1
Chlorinated solvents	4	4	1	1
Chlorine dioxide	4	3	2	1
Chlorine trifluoride	4	4	4	4
Chlorine, dry	4	4	1	1
Chlorine, wet	4	4	1	1
Chloroacetic acid	4	2	4	1
Chloroacetone	4	1	4	1
Chlorobenzene	4	4	1*	1
Chlorobromomethane	4	2	1*	1
Chlorobutadiene (Chloroprene)				
Chlorobutane (Butyl chloride)	4		2	1
Chlorodifluoromethane	4	1	4	1
Chlorodiphenyl	4	4	1	
Chlorododecane	4	4	1	1
Chloroethylene (Vinyl chloride)	4	3	1	1
Chloroform	4	4	1*	1
Chloronaphthalene	4	4	1	1
Chloronitroethane	4		3	
Chloropentafluoroethane	1	1	2	1

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Chemical or Media					
Chloropentane (Amyl chloride)		4	4	2	1
Chloroprene (Chlorobutadiene)		4	4	1	1
Chlorosulfonic acid		4	4	4	1
Chlorothene (Trichloroethane)					
Chlorotoluene (Benzyl chloride)					
Chlorotrifluoroethylene (CTFE)		4			1
Chlorotrifluoromethane		1	1	3	1
Chlorox		2	2	1*	1
Chrome plating solution		4	2	1*	1
Chromic acid, 50%		4	2	1*	1
Chromic oxide (aqueous)		4	2	1*	1
Chromium sulfate		2	2	1	1
Citric acid		1	1	1	1
Cobalt chloride		1	1	1	1
Coconut oil		1	3	1	1
Cod liver oil		1	1	1	1
Coffee		2	1	1	1
Coke oven gas		4	4	1	1
Coliche liquors		2	2		1
Coolanol		1	4	1	1
Copper acetate		2	1	4	1
Copper carbonate		1		1	1
Copper chloride		1	1	1	1
Copper cyanide		1	1	1	1
Copper salts		1	1	1	1
Copper sulfate, 10%		1	1	1	1
Copper sulfate, 50%		1	1	1	1
Copper sulfide		1		1	1
Corn oil		1	3	1	1
Cottonseed oil		1	3	1	1
Creosote (coal tar)		1	4	1	1
Creosote (wood tar)		1	4	1	1
Cresol (Cresylic acid)		4	4	1	1
Crotonaldehyde		2	2	2	1
Crotonic acid					
Crude oil		2	4	1	1
Cumene (Isopropyl benzene)					
Cupric chloride (Copper chloride)					
Cutting oil		1	4	1	1
Cyclohexane		1	4	1	1
Cyclohexanol		2	4	1	1
Cyclohexanone		4	2	4	1
Cyclopentane		4	4	1	1
Cymene (Isopropyltoluene)		4	4	1	1
Decahydronaphthalene		4	4	1*	1
Decalin					
Decanal		4	4	4	1
Decane		1	4	1	1

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Chemical or Media				
Decanol (Decyl alcohol)	1		2	1
Denatured alcohol	2	1	1	1
Detergent solution	1	1	1	1
Developing fluid (photographic)	1	2	1	1
Dextron	1	4	1	1
Dextrose	1	1	1	1
Diacetone (Diacetone alcohol)	4	1	4	1
Diazinon	3	4	2	1
Dibenzyl ether	4	2	4	1
Dibenzyl sebacate	4	2	2	1
Dibromoethyl benzene	4	4	2	1
Dibutyl amine	4	4	4	1
Dibutyl ether	4	3	3	1
Dibutyl phthalate (DBP)	4	2	3	1
Dibutyl sebecate (DBS)	4	2	2	1
Dichloro isopropyl ether	4	3	3	1
Dichloroacetic acid	4	1	4	1
Dichlorobenzene	4	4	1*	1
Dichlorobutane	2	4	1	1
Dichlorodifluoromethane	1	2	2	1
Dichloroethyl ether	4	4		1
Dichloroethylene	4	4	2	1
Dichlorofluoromethane	4	4	4	1
Dichlorotetrafluoroethane	1	1	2	1
Dicyclohexylamine	3	4	4	1
Diesel oil				
Diester synthetic lubricant	2	4	1	1
Diethanol amine (DEA)	2			1
Diethyl amine	3	3	4	1
Diethyl benzene	4	4	1*	1
Diethyl carbonate	4			1
Diethyl ether				
Diethyl phthalate (DEP)	4		3	1
Diethyl sebacate	3	3	2*	1
Diethylene ether (Dioxane)				
Diethylene glycol (Digol)	1	1	1	1
Diethylene triamine	2			1
Difluorodibromomethane	4	2		1
Diisobutyl ketone	4	2	4	1
Diisobutylene	2	4	1	1
Diisodecyl adipate (DIDA)	4		3	1
Diisodecyl phthalate (DIDP)	4	1	3	1
Diisooctyl adipate (DIOA)	4		3	1
Diisooctyl phthalate (DIOP)	4		3	1
Diisooctyl sebecate (DIOS)	3	3	2	1
Diisopropyl amine	2			1
Diisopropyl benzene	4	4	1	1
Diisopropyl ketone	4	2	4	1

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Dimethyl amine (DMA)	4	4	4	1
Dimethyl aniline	3	3	4	1
Dimethyl ether	2	3	2	1
Dimethyl formamide (DMF)	2	3	4	1
Dimethyl ketone (Acetone)				
Dimethyl phthalate	4	2	2	1
Dimethyl sulfate	4		2*	1
Dimethyl sulfide	4			1
Dinitrotoluene (DNT)	4	4	3	1
Dioctyl phthalate (DOP)	3	2	2	1
Dioctyl sebacate	4	2	2	1
Dioxane	4	2	4	1
Dioxolane	4	2	4	1
Dipentene (Limonene)	2	4	1	1
Diphenyl (Phenylbenzene)				
Diphenyl oxide (Phenyl ether)				
Dipropyl ketone (Butyrone)				
Dipropylamine	2			1
Dipropylene glycol	1		1	1
Divinyl benzene (DVB)	4	4	2	1
Dodecyl benzene (Alkane)				
Drinking water				
Dry cleaning fluids	3	4	1	1
DTE light oil	1	4	1	1
Epichlorohydrin	4	2	4	1
Epoxy resin	3	1	4	1
Epsom salts				
Ethanal (Acetaldehyde)				
Ethane	1	4	1	1
Ethanethiol (Ethyl mercaptan)				
Ethanol	2	1	1*	1
Ethanol amine	2	2	4	1
Ether	3	3	3	1
Ethyl acetate	4	2	4	1
Ethyl acetoacetate	4	2	4	1
Ethyl acrylate	4	3	4	1
Ethyl acrylic acid	4	2		1
Ethyl alcohol				
Ethyl aluminium dichloride	4		2	1
Ethyl amine (Monoethylamine)	3	1	4	1
Ethyl benzene	4	1	1	1
Ethyl benzoate	4	4	1	1
Ethyl bromide (Bromoethane)	2	4	1	1
Ethyl butyl acetate	4		4	1
Ethyl butyl alcohol	1	3	1	1
Ethyl butyl ketone	4		4	1
Ethyl butyraldehyde	4		4	1
Ethyl butyrate	4	4	3	1

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Ethyl cellosolve		4	2	4	1
Ethyl cellulose		2	2	4	1
Ethyl chloride		1	2	1	1
Ethyl chlorocarbonate		4	4	1	1
Ethyl chloroformate		4	4	1	1
Ethyl cyanide (Propionitrile)					
Ethyl cyclopentane		1	4	1	1
Ethyl ether (Ether)					
Ethyl formate		4	2	1	1
Ethyl hexanol		1	1	1	1
Ethyl hexyl acetate		4		4	1
Ethyl hexyl alcohol		2	1	1	1
Ethyl iodide		4		2	1
Ethyl mercaptan (Ethanethiol)		4	3	1*	1
Ethyl oxalate		4	1	1	1
Ethyl pentachlorobenzene		4	4	1*	1
Ethyl silicate		1	1	1	1
Ethyl sulfate		4	1	2*	1
Ethylene (Ethene)		1	2	1	1
Ethylene alcohol		1	1	1	1
Ethylene bromide		4	4	1*	1
Ethylene chloride		4	4	1*	1
Ethylene chlorohydrin		4	2	1	1
Ethylene diamine		1	1	4	1
Ethylene dibromide					
Ethylene dichloride					
Ethylene glycol		2	1	1*	1
Ethylene oxide (ETO)		4	3	4	1
Ethylene trichloride		4	3	1*	1
Ethyne (Acetylene)		1	1	1	1
Fatty acids		2	3	1	1
Ferric chloride		1	1	1	1
Ferric hydroxide		2		4	1
Ferric nitrate		1	1	1	1
Ferric sulfate		1	1	1	1
Ferrous chloride		1	1	1	1
Ferrous sulfate		1	1	1	1
Fish oil		1	4	1	1
Fluoboric acid (Fluoroboric acid)		1	1	2*	1
Fluorine		4	3	2*	3
Fluorobenzene		4	4	3	1
Fluorochloroethylene		4			
Fluorol (Sodium fluoride)					
Fluorolube (Fluorocarbon oils)		1	1	2	1
Fluosilicic acid		2	2	2*	1
Formaldehyde		3	2	4	1
Formamide		3	2	3	1
Formic acid		3	2*	3	1

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Chemical or Media					
Freon 11 (Freon MF)		2	4	2	1
Freon 12		1	2	2	1
Freon 13		1	1	1	1
Freon 13b1		1	1	2	1
Freon 14		1	1	1	1
Freon 21		4	4	4	1
Freon 22		4	1	4	1
Freon 31		4	1	4	1
Freon 32		1	1	4	1
Freon 112 (Freon BF)		2	4	1	1
Freon 113 (Freon TF)		1	4	2	1
Freon 114		1	1	2	1
Freon 114b2		2	4	2	1
Freon 115		1	1	2	1
Freon 134a		1	1	4	1
Freon 502		2	1	2	1
Freon C316		1	1		1
Freon C318		1	1	2	1
Freon K-142b		2	4	2	1
Freon K-152a		1	1	4	1
Freon PCA		1	4	2	
Freon T-P35		1	1	1	1
Freon T-WD602		2	2	1	1
Freon TA		1	1	3	
Freon TC		1	2	1	1
Freon TMC		2	2	1	1
Fuel oil		1	4	1	1
Fumaric acid		1	2	1	1
Furan (Furfuran)		4	3	4	1
Furfural (Furfuraldehyde)		4	2	4	1
Furfuryl alcohol		4	2	4	1
Gallic acid		2	2	1	1
Gasohol		3	4	1*	1
Gasoline		2	4	1	1
Gelatin		1	1	1	1
Glauber's salt		4	2	1	1
Gluconic acid		3		1*	1
Glucose		1	1	1	1
Glycerine (Glycerol)		1	2	1	1
Glycine		2	1	1*	1
Glycol					
Glycolic acid		1	2	1*	1
Glycolmonoethylether					
Grease (petroleum base)		1	4	1	1
Green Sulfate liquor		2	1	1	1
Halothane		4	4	1*	1
Halowax oil		4	4	1	1
Heavy water		1	1	1*	1

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Chemical or Media					
HEF-2 (high energy fuel)		2	4	1	1
Helium		1	1	1	1
Heptanal		4		2	1
Heptane		1	4	1	1
Hexachlorobutadiene		1	4	1	1
Hexadecane (Cetane)					
Hexalin (Cyclohexanol)					
Hexamine			1		1
Hexane (n-Hexane)					
Hexanedioic acid (Adipic acid)					
Hexanol		2	3	1	1
Hexone (MIBK)					
Hexyl alcohol					
Hexylene (n-Hexene)					
Hexylene glycol (Brake fluid)					
Hydraulic oil (petroleum base)		1	4	1	1
Hydrazine (Diamine)		2	1	4	1
Hydrazine, anhydrous		4	2	4	1
Hydrobromic acid		4	1	1	1
Hydrochloric acid, 3 molar		3	1	1*	1
Hydrochloric acid, 37% (cold)		3	2	1*	1
Hydrochloric acid, 37% (hot)		4	3	1*	1
Hydrochloric acid, concentrated		4	2	1*	1
Hydrocyanic acid		2	1	1*	1
Hydrofluoric acid, concentrated		4	3	2*	1
Hydrofluosilicic acid		2	1	1*	1
Hydrogen bromide		4	2	2*	1
Hydrogen chloride		4	1	1	1
Hydrogen fluoride (HF)		4	4	2*	1
Hydrogen fluoride, anhydrous		4	2	3	1
Hydrogen gas		1	1	1	1
Hydrogen peroxide, 30%		2	1	1	1
Hydrogen peroxide, 90%		3	3	1	1
Hydrogen sulfide		4	1	3	1
Hydrolube (water/ethylene glycol)		1	1	1	1
Hydroquinone		3	4	3	1
Hydroxyacetic acid		1	2	1*	1
Hypochlorous acid		4	2	3	1
Iodine		2	2	1	1
Iodine pentafluoride		4	4	4	
Iodoform				2*	1
Iso-butane		1		1	1
Iso-octane					
Isoamyl acetate		4	2	4	1
Isoamyl alcohol		1	1	1	1
Isoamyl butyrate		4		4	1
Isoamyl chloride		4	4	2	1
Isobutyl alcohol (Isobutanol)		2	1	1	1

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Chemical or Media				
Isobutyl amine	2		4	1
Isobutyl chloride	3	2	1	1
Isobutyric acid	3	1	4	1
Isododecane	1	4	1	1
Isopentane	1		1	1
Isophorone (Ketone)	4	1	4	1
Isopropanol (Isopropyl alcohol)	2	1	1	1
Isopropyl acetate	4	2	4	1
Isopropyl alcohol (IPA)				
Isopropyl amine	2		4	1
Isopropyl benzene	4	4	1	1
Isopropyl chloride	4	4	1	1
Isopropyl ether	3	4	4	1
Isopropyl toluene (Cymene)				
Kel F liquids	1	1	2	1
Kerosene (Kerosine)	1	4	1	1
Lacquer solvents	4	4	4	1
Lacquers	4	4	4	1
Lactams (Amino acids)	4	2	4	1
Lactic acid (cold)	1	1	1	1
Lactic acid (hot)	4	4	1	1
Lard				
Lauryl alcohol (n-Dodecanol)	1	2	2	1
Lavender oil	2	4	1	1
Lead acetate	3	1	4	1
Lead chloride				1
Lead chromate				1
Lead nitrate	1	1	1	1
Lead sulfamate	2	1	1	1
Light grease	1	4	1	1
Ligroin (Nitrobenzine)				
Lime bleach	1	1	1	1
Lime sulfur	4	1	1	1
Limonene (Dipentene)				
Lindol (Tritolyl phosphate)	4	1	2	1
Linoleic acid	2	4	2	1
Linseed oil	1	3	1	1
Liquefied petroleum gas (LPG)	1	4	1	1
Liquid oxygen	4	4	4	1
Liquimoly	1	4	1	1
Lithium bromide	1	1	1	1
Lithium chloride	1	1	1	1
Lithium hydroxide				1
Lithophone				1
Lubricating oil (di-ester base)	2	4	1	1
Lubricating oil (petroleum base)	1	4	1	1
Lye solution	2	1	2*	1
Magnesium acetate	4		4	1

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Chemical or Media					
Magnesium chloride		1	1	1	1
Magnesium hydroxide		2	1	1*	1
Magnesium salts		1	1	1	1
Magnesium sulfate		1	1	1	1
Malathion		2	4	1	1
Maleic acid		4	4	1	1
Maleic anhydride		4	4	1	1
Malic acid (Apple acid)		1	4	1	1
Managanese (II) chloride		1			1
Manganese carbonate					1
Manganese sulfate		1		1	1
Mercuric chloride		1	1	1	1
Mercuric cyanide		2	1	1	1
Mercurous nitrate		2	1	1	1
Mercury		1	1	1	1
Mesityl oxide		4	2	4	1
Methacrylacid methylester		4	2	4	1
Methacrylic acid		4	2	3	1
Methane		1	4	1	1
Methanol (Methyl alcohol)		2	1	1*	1
Methyl acetate		4	2	4	1
Methyl acetoacetate		4	2	4	1
Methyl acrylate		4	2	4	1
Methyl acrylic acid (Crotonic acid)		4	2	3	1
Methyl alcohol (Methanol)					
Methyl amine		4	2	2*	1
Methyl amyl acetate		1		4	1
Methyl amyl alcohol		1		4	1
Methyl benzoate		4	4	1	1
Methyl bromide		2	4	1	1
Methyl butyl ketone		4	2	4	1
Methyl butyrate		4	4		1
Methyl carbonate		4	4	1	1
Methyl cellosolve		3	2	4	1
Methyl cellulose		2	2	4	1
Methyl chloride		4	3	2	1
Methyl chloroformate		4	4	1	1
Methyl cyanide (Acetonitrile)		2	1	1	1
Methyl cyclopentane		4	4	1	1
Methyl dichloride		4	3	1	1
Methyl ether		2	2	1	1
Methyl ethyl ketone (MEK)		4	2	4	1
Methyl ethyl ketone peroxide		4	3	4	1
Methyl formate		4	2	3	1
Methyl glycol acetate		4	1	4	1
Methyl iodide		4	1		1
Methyl isobutyl ketone (MIBK)		4	3	4	1
Methyl isopropyl ketone		4	2	4	1

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Chemical or Media				
Methyl mercaptan		1		1
Methyl methacrylate (MMA)	4	3	4	1
Methyl oleate	4	2	1	1
Methyl phenyl ether (Anisole)	4		3	1
Methyl propyl ketone	4	2	4	1
Methyl salicylate	4	2	4	1
Methylene bromide	4		2	1
Methylene chloride	4	4	2	1
Methylene dichloride	4	4	2	1
MIL- spec fluids				
Milk	1*	1*	1*	1*
Mineral oil	1	3	1	1
Monobromo benzene	4	4	1	1
Monochloro acetic acid	4	2	4	1
Monochloro acetone	4	1	4	1
Monochloro benzene	4	4	1*	1
Monoethanolamine (MEA)	4	2	4	1
Monoethylamine (Ethyl amine)				
Monomethyl amine (MMA)				1
Monomethyl aniline	4	2	2	1
Monomethyl hydrazine	2	1		1
Monovinyl acetylene	1	1	1	1
Morpholine	4	2	1	1
Mustard gas		3	1	1
n-Dodecanol (Lauryl alcohol)				
n-Heptane	1	4	1	1
n-Hexaldehyde	4	1	4	1
n-Hexane	1	4	1	1
n-Hexanol	1	3	1	1
n-Hexene (Hexylene)	2	4	1	1
n-Octane	2	4	1	1
n-Pentane	1	4	1	1
n-Propyl acetate (Propyl acetate)				
n-Propyl acetone	4	1	4	1
n-Propyl nitrate (NPN)				
Naphtha	2	4	1	1
Naphtha coal tar (Benzol)				
Naphthalene (Tar camphor)	4	4	1	1
Naphthenic acid	2	4	1	1
Natural gas	1	4	1	1
Neatsfoot oil	1	2	1	1
Neohexane	1	4	1*	1
Neon	1	1	1	1
Neville acid	4	2	1	1
Nickel acetate (Diacetate)	3	1	4	1
Nickel chloride	1	1	1	1
Nickel nitrate (Dinitrate)	1	1	1	1
Nickel salts	1	1	1	1

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Chemical or Media					
Nickel sulfate		1	1	1	1
Niter cake		1	1	1	1
Nitric acid (3 molar)		4	2	1*	1
Nitric acid (concentrated)		4	4	1*	1
Nitric acid (red fuming) (RFNA)		4	4	3	1
Nitrobenzene		4	4	2	1
Nitrobenzine (Ligroin)					
Nitroethane		4	2	4	1
Nitrogen		1	1	1	1
Nitrogen tetroxide		4	4	4	1
Nitromethane		4	2	4	1
Nitropropane		4	2	4	1
Nitrous acid					1
o-Chloronaphthalene		4	4	1	1
o-Cresol (Cresylic acid)					
o-Dichlorobenzene					
Octachlorotoluene		4	4	1	1
Octadecane		1	4	1	1
Octanol (Octyl alcohol)		2	1	1	1
Octyl acetate		4		4	1
Octyl alcohol (Octanol)					
Oleic acid		3	4	1*	1
Olein (Triolene)				4	
Oleum (fuming sulfuric acid)		4	4	1*	1
Olive oil		1	2	1	1
Orthochloroethylbenzene		4	4	1	
Oxalic acid		2	1	1	1
Oxygen (100 to 200 deg C.)		4	4	2	1
Oxygen (below 100 deg C.)		2	1	1	1
Ozone (50 PPHM)		2*	1	1	1
Paint thinner (Duco)		4	4	2	1
Palmitic acid		2	2	1	1
Par-al-ketone		4	4	4	1
Para-dichlorobenzene		4	4	1*	1
Paraffins		1	4	1	1
Paraldehyde		4	1	4	1
Peanut oil		1	3	1	1
Penicillin				1	1
Pentachloroethane (Pentalin)		4		1	1
Pentachlorophenol (PCP)		4	4	1	1
Pentane (Amyl hydride)		1	4	1	1
Pentanol					
Pentyl alcohol (Amyl alcohol)					
Pentyl amine (Amyl amine)					
Perchloric acid		4	2	1	1
Perchloroethylene (Perchlor)		3	4	1*	1
Petrolatum		1	4	1	1
Petroleum oil (above 125 deg C.)		4	4	1*	1

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Chemical or Media					
Petroleum oil (below 125 deg C.)		1	4	1	1
Petroleum oil, crude		1	4	1	1
Phenol (Carbolic acid)					
Phenol sulfonic acid		4		2*	1
Phenyl acetate		4	2	4	1
Phenyl benzene		4	4	1*	1
Phenyl ether (Diphenyl oxide)		4	4*	1	1
Phenyl ethyl ether (Phenetole)		4	4	4	1
Phenyl hydrazine		4	4	1	1
Phenyl methyl ketone		4	1	4	1
Phorone		4	2	4	1
Phosgene		2	1	2	1
Phosphate esters		4	1	1	1
Phosphoric acid (3 molar)		4	1	1*	1
Phosphoric acid (concentrated)		4	2	1*	1
Phosphorus oxychloride		4			1
Phosphorus trichloride		4	1	1	1
Phthalic acid		3	2	2*	1
Phthalic anhydride			1	2*	1
Picric acid, H2O solution		2	1	1	1
Pine oil		2	4	1	1
Pinene		2	4	1	1
Piperidine		4	4	4	1
Plating solution, chrome		4	1	1*	1
Pneumatic service		1	1	1	1
Potassium acetate		2	1	4	1
Potassium bicarbonate		1		1	1
Potassium bisulfate		1	1	1	1
Potassium bisulfite		1	1	1	1
Potassium bromide		1	1	1	1
Potassium carbonate (Potash)		1	1	1	1
Potassium chlorate		4	1	1	1
Potassium chloride		1	1	1	1
Potassium chromate		1	1	1	1
Potassium copper cyanide		1	1	1	1
Potassium cyanide		1	1	1	1
Potassium dichromate		1	1	1	1
Potassium ferricyanide		4			1
Potassium ferrocyanide					1
Potassium fluoride					1
Potassium hydroxide, 50%		3	1	4	1
Potassium hypochlorite					1
Potassium iodate					1
Potassium iodide		1	1	1	1
Potassium nitrate		1	1	1	1
Potassium nitrite		1	1	1	1
Potassium oxalate					1
Potassium perchlorate		2	1	1	1

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Potassium permanganate	3	1	1	1
Potassium persulfate	4	1	1	1
Potassium phosphate	1	1	1	1
Potassium salts	1	1	1	1
Potassium silicate	1	1	1	1
Potassium sulfate	1	1	1	1
Potassium sulfide	1	1	1	1
Potassium sulfite	2	1	1	1
Potassium tartrate				1
Potassium thiocyanate				1
Producer gas	1	4	1	1
Propane (LPG)	1	4	1	1
Propanol (Propyl alcohol)				
Propionaldehyde (Propanal)	4		4	1
Propionic acid	3	1	1*	1
Propionitrile (Ethyl cyanide)	2	3	1	1
Propyl acetate (n-Propyl acetate)	4	2	4	1
Propyl alcohol (1-Propanol)	2	1	1	1
Propyl amine	4	4	4	1
Propyl nitrate (n-Propyl nitrate)	4	2	4	1
Propylene (Propene)	4	4	1	1
Propylene chlorohydrin			3	1
Propylene dichloride	4	4	1	1
Propylene glycol	1	1	1	1
Propylene oxide	4	2	3	1
Pyridene	4	2	3	1
Pyrogallol (Pyrogallic acid)			1*	1
Pyrrole (Azole)	4	3	4	1
Quinine (Bisulfate) (Sulfate)			1	1
Quinone				1
Radiation				
Rapeseed oil	1	2	1	1
Red oil (MIL-H-5606)	1	4	1*	1
RJ-1 (MIL-F-25558)	1	4	1	1
Rosin	1			1
Rotenone	1	1	1	1
RP-1 (MIL-F-25576)	1	4	1	1
Sal ammoniac	1	1	1	1
Salicylic acid	1	1	1	1
Sea water (Brine)	1	1	1*	1
Sewage	1	1	1*	1
Silicate esters	2	4	1	1
Silicone grease	1	1	1	1
Silicone oil	1	1	1	1
Silicone tetrachloride			1*	1
Silver bromide				1
Silver chloride				1
Silver cyanide				1

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Chemical or Media				
Silver nitrate	1	1	1	1
Skydrol 500	4	1	4	1
Skydrol 7000	4	1	2	1
Soap solutions				
Sodium acetate	2	1	4	1
Sodium aluminate	1		1	1
Sodium arsenite				1
Sodium benzoate	1	1	1	1
Sodium bicarbonate (Baking soda)	1	1	1	1
Sodium bichromate	1	1	1	1
Sodium bisulfate	1	1	1	1
Sodium bisulfite	3	1	1	1
Sodium borate (Borax)	2	1	1	1
Sodium bromate		1	1	1
Sodium bromide		1	1	1
Sodium carbonate (Soda ash)	1	1	1	1
Sodium chlorate	2	1	1	1
Sodium chloride	1	1	1	1
Sodium chlorite	4	1	1	1
Sodium chromate	1	1	1	1
Sodium citrate				1
Sodium cyanide	1	1	1*	1
Sodium dichromate	1	1	1	1
Sodium ethylate				1
Sodium ferricyanide				1
Sodium ferrocyanide			1	1
Sodium fluoride (Fluorol)	1	1	1	1
Sodium hydrogen sulfate	1	1	1	1
Sodium hydrogen sulfite	1	1	1	1
Sodium hydroxide (Caustic soda)	1	1	3	1
Sodium hypochlorite, 20%	2	2	1	1
Sodium hyposulfite	2	1	1	1
Sodium iodide		1	1	1
Sodium lactate	1			1
Sodium metaphosphate	1	1	1	1
Sodium metasilicate	1		1	1
Sodium nitrate	2	1	1	1
Sodium nitrite	2	1	1	1
Sodium oleate				1
Sodium oxalate	1	1	1	1
Sodium perborate	2	1	1	1
Sodium perchlorate				1
Sodium peroxide	2	1	1	1
Sodium persulfate		1	1	1
Sodium phosphate (Di-basic)	1	1	1	1
Sodium phosphate (Mono-basic)	1	1	1	1
Sodium phosphate (Tri-basic)	1	1	1	1
Sodium pyrophosphate				1

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Chemical or Media					
Sodium salts		1	1	1	1
Sodium silicate		1	1	1	1
Sodium sulfate		1	1	1	1
Sodium sulfide		2	1	2	1
Sodium sulfite		1	1	1	1
Sodium tartrate					1
Sodium tetraborate		1		1	1
Sodium thiosulfate		2	1	1	1
Sour crude oil			4	4	
Sour natural gas			4	4	
Soybean oil		1	3	1	1
Stannic chloride		1	1	1	1
Stannic chloride, 50%		1	1	1	1
Stannous chloride, 15%		1	1	1	1
Starch		1	1	1	1
Stauffer 7700		2	4	1*	1
Steam (to 150 deg C.)		4	1	1*	1
Steam (to 175 deg C.)		4	1*	1*	1
Steam (to 200 deg C.)		4	4	1*	1
Steam (to 260 deg C.)		4	4	3	1
Stearic acid		3	3	2	1
Stoddard solvent		1	4	1	1
Styrene (Vinylbenzene)		4	4	2	1
Succinic acid		1	1	1	1
Sucrose solution		1	1	1	1
Sulfamic acid		2	1		1
Sulfur		4	1	1	1
Sulfur chloride		4	4	1	1
Sulfur dioxide (dry)		4	1	4	1
Sulfur dioxide (wet)		4	1	4	1
Sulfur hexafluoride		2	1	2	1
Sulfur trioxide (dry)		4	3	1	1
Sulfur, molten		4	3	1*	1
Sulfuric acid (3 molar)		4	2	1*	1
Sulfuric acid (concentrated)		4	4	1*	1
Sulfuric acid, fuming		4	4	2*	1
Sulfurous acid		2	2	1*	1
Sulfuryl chloride		4	2	1	1
Tannic acid		2	1	1	1
Tar, bituminous		2	4	1	1
Tartaric acid		1	2	1	1
Terpineol (Terpilenol)		2	3	1	1
Tertiary butyl alcohol		2	2	1	1
Tertiary butyl catechol		4	2	1	1
Tertiary butyl mercaptan		4	4	1	1
Tetrabromoethane		4	4	1	1
Tetrabromomethane		4	4	1	1
Tetrabutyl titanate (TBT)		2	1	1	1

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Chemical or Media					
Tetrachlorodifluoroethane		2	4	1	1
Tetrachloroethane		4	4	1	1
Tetrachloroethylene		4	4	1	1
Tetrachloromethane		3	4	1	1
Tetraethyl lead		2	4	1	1
Tetraethylene glycol (TEG)		1		1	1
Tetrafluoromethane		1	1	1	1
Tetrahydrofuran (THF)		4	3	4	1
Tetralin (Tetrahydronaphthalene)		4	4	1	1
Thioglycolic acid					1
Thionyl chloride		4	4	1*	1
Thiophene (Thiofuran)		4	4	3	1
Titanium sulfate					1
Titanium tetrachloride		3	4	1	1
Toluene (Toluol)		4	4	1	1
Toluene di-isocyanide (TDI)		4	2	4	1
Toluidine		4		2	1
Transformer oil		1	4	1	1
Transmission fluid, type A		1*	4	1	1
Triacetin		2	1	4	1
Trialkyl phosphate		4	2	4	1
Triaryl phosphate		4	1	1	1
Tributoxyl ethyl phosphate		4	1	1	1
Tributyl mercaptan		4	4	1	1
Tributyl phosphate (TBP)		4	1	4	1
Trichloroacetic acid (TCA)		2	2	3	1
Trichlorobenzene		4		2	1
Trichloroethane		4	4	1	1
Trichloroethylene		4	4	1	1
Trichlorofluoromethane		2	4	2	1
Trichloropropane		4		2	1
Trichlorotrifluoroethane		1	3	2	1
Tricresyl phosphate (TCP)		4	2	2	1
Tridecyl alcohol (Tridecanol)		1		1	1
Triethanol amine (TEA)		3	2	3	1
Triethyl aluminium (ATE)		4	3	2	1
Triethyl amine		3	4	2	1
Triethyl borane		4	3	1	1
Triethyl phosphate (TEP)				4	1
Triethylene glycol (TEG)		1	1	1	1
Trifluoroethane		4	4	1	1
Trimethylpentane (Iso-octane)		1	4	1	1
Trinitrotoluene (TNT)		4	4	2	1
Trioctyl phosphate		4	1	2	1
Triolene (Olein)					
Triphenyl phosphite					1
Tritolyl phosphate (Lindol)					
Tung oil		1	4	1	1

1 = Excellent **2 = Good** **3 = Doubtful** **4 = Do not use** *** = Special Formulation**		**NBR**	**EPDM**	**VITON**	**PTFE**
ARBO Mat. Code Prefix>		**N**	**E**	**V**	**T**
Chemical or Media					
Turbine oil		2	4	1	1
Turpentine		1	4	1	1
Type I fuel (Mil-S-3136)					
Type II fuel (Mil-S-3136)		2	4	1	1
Type III fuel (Mil-S-3136)					
Unsymmetrical dimethylhydrazine		2	1	4	1
Urea (Carbamide)		2	1	1	1
Uric acid		1			1
Valeric acid		4	1		1
Varnish		2	4	1	1
Vegetable oils & fats		1	3	1	1
Vinegar					
Vinyl acetate		4	2	4	1
Vinyl chloride (Chloroethylene)					
Vinyl cyanide (Acrylonitrile)					
Vinylbenzene (Styrene)					
Water, cold		1	1	1*	1
Water, hot		2	1	1*	1
Water, potable		1*	1*	1*	1*
Whiskey & wines		1*	1*	1*	1*
White oil		1	4	1	1
White pine oil		2	4	1	1
Wood alcohol (Methanol)					
Wood oil		1	4	1	1
Xenon		1	1	1	1
Xylene (Xylol)		4	4	1	1
Xylidine (Xylidin)		3	4	4	1
Zeolites		1	1	1	1
Zinc acetate		3	1	4	1
Zinc ammonium chloride		1			1
Zinc carbonate		1		1	1
Zinc chloride		1	1	1	1
Zinc cyanide		1			1
Zinc hydrosulfite		1		1	1
Zinc nitrate		1			1
Zinc phosphate solution		1			1
Zinc salts		1	1	1	1
Zinc sulfate		1	1	1	1