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O-Ring Availability For Non-Hazardous Models

Standard = Available = Special P/N =

CCS Model	Buna-N	Viton	Ethylene-Propylene	PTEF (Teflon)	Neoprene	Fluorosilicone	316 SS Welded Capsule
604G*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
604GZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
604V*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
604VZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
604GV*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
604GVZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
604D*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
604DZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
604P*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
605G*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
605GZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
605P*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
605D*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
605DZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
611G*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
611GZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
611V*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
674D*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
675G*800*	Standard	Available	Special P/N	Special P/N	Special P/N	Special P/N	N/A
675D*800*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6700	Standard	Special P/N	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6712	Standard	Special P/N	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6750G*	Standard	Special P/N	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6860G*	Standard	Special P/N	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6862G*	Standard	Special P/N	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6900G*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
6900GZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
6900P*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
6900DZ*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A

Manufacturer of pressure, temperature, flow switches & sensors for aerospace, defense & industrial uses
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O-Ring Availability For Hazardous Models

Standard =



Available =



Special P/N =



CCS Model	Buna-N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone	316 SS Welded Capsule
611GE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
611GZE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
611VE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
642GE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
642DE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
642VE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
646GE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
646GZE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
646GVE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
646GVZE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
646DZE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
646VE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
646VZE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
672DE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
673DE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
674DE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
675GE*800*	Standard	Available	Special P/N	Special P/N	Special P/N	Special P/N	N/A
675DE*800*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
675VE*	Standard	Available	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6403GZE*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6403PE*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6403DZE*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6403VZE*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6860GE*	Standard	Special P/N	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6862GE*	Standard	Special P/N	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6900GE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
6900GZE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
6900GEK*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	Available
6900GZEK*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	Available
6900PE*	Standard	Available	Available	Special P/N	Special P/N	Special P/N	N/A
6900DZE*	Available	Standard	Available	Special P/N	Special P/N	Special P/N	N/A
6905GZE*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6905PZE*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A
6905DZE*	Available	Standard	Special P/N	Special P/N	Special P/N	Special P/N	N/A

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O-Ring Properties

Property	Nitrile (Buna-N)	Viton	Ethylene-Propylene	Fluorosilicone	PTFE* (Teflon)
Tensile Strength	Fair - Good	Good - Excellent	Good - Excellent	Good - Excellent	Excellent
Electrical Properties	Poor	Excellent	Excellent	Good	Excellent
Weather Resistance	Good	Good	Excellent	Good	Excellent
Ozone Resistance	Fair	Good	Excellent	Excellent	Excellent
Heat Resistance	Good (225°F)	Excellent (400°F)	Excellent (275°F)	Excellent (400°F)	Excellent (450°F)
Cold Resistance	Fair - Good (-40°F)	Fair (-25°F)	Good (-70°F)	Fair (-20°F)	Excellent (-110°F)
Steam Resistance	Good	Good	Good	Good	Excellent
Tear Resistance	Good	Good	Good	Fair	Excellent
Abrasion Resistance	Good	Good	Good	Good	Excellent
Acid Resistance	Good	Good	Good - Excellent	Good	Excellent
Petroleum Oil	Excellent	Excellent	Poor	Excellent	Excellent
Flame Resistance	Poor	Good	Poor	Good	Excellent
Vegetable Oil	Good	Excellent	Good	Excellent	Excellent

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O-Ring Compound Compatibility Rating

	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
1 - Satisfactory 2 - Fair (usually OK for static seal) 3 - Doubtful (sometimes OK for static seal) 4 - Unsatisfactory X - Not Tested						
Abietic Acid	X	X	X	X	X	X
Acetaldehyde	3	4	2	3	3	4
Acetamide	1	3	1	2	1	1
Acetanilide	3	3	1	X	1	1
Acetic Acid, 30%	X	X	1	X	X	X
Acetic Acid, 5%	2	1	1	1	1	2
Acetic Acid, Glacial	2	2	1	3	4	2
Acetic Acid, Hot, High Pressure	4	4	3	3	4	4
Acetic Anhydride	3	4	2	2	2	4
Acetoacetic Acid	3	3	1	X	1	1
Acetone	4	4	1	2	4	4
Acetone Cyanohydrin	3	3	1	X	1	1
Acetonitrile	3	1	1	1	X	X
Acetophenetidine	2	1	4	X	4	2
Acetophenone	4	4	1	2	4	4
Acetotoluidide	2	1	4	X	4	2
Acetyl Acetone	4	4	1	2	4	4
Acetyl Bromide	4	1	1	2	4	4
Acetyl Chloride	4	1	4	2	4	1
Acetylene	1	1	1	1	2	X
Acetylene Tetrabromide	4	1	1	1	2	X
Acetylene Tetrachloride	4	1	1	1	2	X
Acetylsalicylic Acid	2	1	4	X	4	2
Acids, Non-organic	X	X	X	X	X	X
Acids, Organic	X	X	X	X	X	X
Aconitic Acid	X	X	X	X	X	X
Acridine	X	X	X	X	X	X
Acrolein	3	3	1	X	1	1
Acrylic Acid	2	1	4	X	4	2
Acrylonitrile	4	3	4	3	4	4
Adipic Acid	1	X	2	2	X	X
Aero Lubriplate	1	1	4	2	1	1
Aero Shell 17 Grease	1	1	4	2	2	1
Aero Shell 750	2	1	4	2	4	2
Aero Shell 7A Grease	2	1	4	2	2	1
Aero Shell IAC	1	1	4	2	2	1
Aerosafe 2300	4	4	1	2	4	3

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Aerosafe 2300W	4	4	1	2	4	3
Aerozene 50 (50% Hydrazine 50% UDMH)	3	4	1	2	4	4
Air, Below 200° F	2	1	1	1	1	1
Air, 200 - 300° F	3	1	2	1	2	1
Air, 300 - 400° F	4	1	4	2	4	2
Air, 400 - 500° F	4	3	4	3	4	4
Aliphatic Dicarboxylic Acid	2	1	4	X	4	2
Alkanes (Paraffin Hydrocarbons)	1	1	4	X	2	1
Alkanesulfonic Acid	1	1	4	X	2	1
Alkazene	4	2	4	2	4	2
Alkenes (Olefin Hydrocarbons)	2	1	4	X	4	2
Alkyl Acetone	3	3	1	X	1	1
Alkyl Alcohol	1	1	4	X	2	1
Alkyl Amine	1	1	4	X	2	1
Alkyl Aryl Sulfonates	1	1	4	X	2	1
Alkyl Aryl Sulfonics	1	1	4	X	2	1
Alkyl Benzene	2	1	4	X	4	2
Alkyl Chloride	2	1	4	X	4	2
Alkyl Sulfide *	2	1	4	X	4	2
Alkylnaphthalene Sulfonic Acid	1	1	4	X	2	1
Allyl Chloride	2	1	4	X	1	X
Allylidene Diacetate	3	3	1	X	1	1
Alpha Picoline	3	3	1	X	1	1
Aluminum Acetate	2	4	1	2	2	4
Aluminum Bromide	1	1	1	1	1	1
Aluminum Chlorate	3	3	1	X	1	1
Aluminum Chloride	1	1	1	1	1	1
Aluminum Ethylate	X	X	X	X	X	X
Aluminum Fluoride	1	1	1	1	1	1
Aluminum Fluorosilicate *	X	X	X	X	X	X
Aluminum Formate	3	3	1	X	1	1
Aluminum Hydroxide	2	2	1	1	X	X
Aluminum Linoleate	1	1	4	X	2	1
Aluminum Nitrate	1	1	1	1	1	X
Aluminum Oxalate	3	3	1	X	1	1
Aluminum Phosphate	1	1	1	1	1	X
Aluminum Potassium Sulfate	3	3	1	X	1	1

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Aluminum Salts	1	1	1	1	1	1
Aluminum Sodium Sulfate	3	3	1	X	1	1
Aluminum Sulfate	1	1	1	1	1	1
Alums-NH3 -Cr -K	1	4	1	2	1	4
Ambrex 33 (Mobil)	1	1	4	2	2	3
Ambrex 830 (Mobil)	1	1	3	2	2	1
Amines-Mixed	4	4	2	3	2	4
Aminoanthraquinone	X	X	X	X	X	X
Aminoazobenzene	X	X	X	X	X	X
Aminobenzene Sulfonic Acid	X	X	X	X	X	X
Aminobenzoic Acid	X	X	X	X	X	X
Aminopyridine	X	X	X	X	X	X
Aminosalicyclic Acid	X	X	X	X	X	X
Ammonia (Anhydrous)	2	4	1	2	1	4
Ammonia and Lithium Metal in Solution	2	4	2	3	X	4
Ammonia, Gas, Cold	1	4	1	2	1	4
Ammonia, Gas, Hot	4	4	2	2	2	4
Ammonia, Liquid (Anhydrous)	2	4	1	2	1	4
Ammonium Acetate	3	3	1	X	1	1
Ammonium Arsenate	3	3	1	X	1	1
Ammonium Benzoate	3	3	1	X	1	1
Ammonium Bicarbonate	3	3	1	X	1	1
Ammonium Bisulfite	3	3	1	X	1	1
Ammonium Bromide	1	1	1	1	1	X
Ammonium Carbamate	3	3	1	X	1	1
Ammonium Carbonate	4	1	1	1	1	X
Ammonium Chloride, 2N	1	1	1	1	1	X
Ammonium Citrate	3	3	1	X	1	1
Ammonium Dichromate	3	3	1	X	1	1
Ammonium Diphosphate	3	3	1	X	1	1
Ammonium Fluoride	1	1	1	1	1	X
Ammonium Fluorosilicate *	X	X	X	X	X	X
Ammonium Formate	3	3	1	X	1	1
Ammonium Hydroxide, 3 Molar	1	3	1	2	1	1
Ammonium Hydroxide, Concentrated	4	4	1	2	1	1
Ammonium Iodide	1	1	1	1	1	X
Ammonium Lactate	3	3	1	X	1	1

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X - Not Tested						
Ammonium Metaphosphate	3	3	1	X	1	1
Ammonium Molybdenate *	3	3	1	X	1	1
Ammonium Nitrate, 2N	1	X	1	2	1	X
Ammonium Nitrite	1	X	1	2	1	X
Ammonium Oxalate	3	3	1	X	1	1
Ammonium Perchlorate	3	3	1	X	1	1
Ammonium Perchloride	X	X	X	X	X	X
Ammonium Persulfate 10%	4	X	1	2	1	X
Ammonium Persulfate Solution	4	X	1	2	X	X
Ammonium Phosphate	1	4	1	2	1	X
Ammonium Phosphate, Dibasic	1	X	1	2	1	X
Ammonium Phosphate, Mono-Basic	1	X	1	2	1	X
Ammonium Phosphate, Tribasic	1	X	1	2	1	X
Ammonium Phosphite	3	3	1	X	1	1
Ammonium Picrate	3	3	1	X	1	1
Ammonium Polysulfide	3	3	1	X	1	1
Ammonium Salicylate	3	3	1	X	1	1
Ammonium Salts	1	3	1	2	1	3
Ammonium Sulfamate	3	3	1	X	1	1
Ammonium Sulfate	1	4	1	2	1	X
Ammonium Sulfate Nitrate	1	4	1	2	1	X
Ammonium Sulfide	1	4	1	2	1	X
Ammonium Sulfite	3	3	1	X	1	1
Ammonium Thiocyanate	3	3	1	X	1	1
Ammonium Thioglycolate	3	3	1	X	1	1
Ammonium Thiosulfate	3	3	1	X	1	1
Ammonium Tungstate	3	3	1	X	1	1
Ammonium Valerate	3	3	1	X	1	1
Amyl Acetate	1	4	3	3	4	4
Amyl Alcohol	2	2	1	1	2	1
Amyl Borate	1	1	4	2	1	X
Amyl Butyrate	1	1	4	X	2	1
Amyl Chloride	X	1	4	2	4	2
Amyl Chloronaphthalene	4	1	4	2	4	2
Amyl Cinnamic Aldehyde	2	1	4	X	4	2
Amyl Laurate	2	1	4	X	4	2
Amyl Mercaptan	2	1	4	X	4	2

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	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
1 - Satisfactory						
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3 - Doubtful (sometimes OK for static seal)						
4 - Unsatisfactory						
X - Not Tested						
Amyl Naphthalene	4	1	4	2	4	1
Amyl Nitrate	3	3	1	X	1	1
Amyl Nitrite	3	3	1	X	1	1
Amyl Phenol	X	X	X	X	X	X
Amyl Propionate	1	1	4	X	2	1
Anderol, L- 826 (di-ester)	2	1	4	2	4	2
Anderol, L- 829 (di-ester)	2	1	4	2	4	2
Anderol, L-774 (di-ester)	2	1	4	2	4	2
ANG-25 (Di-ester Base) (TG749)	2	1	4	2	4	2
ANG-25 (Glycerol Ester)	2	1	1	1	2	2
Aniline	4	3	2	2	4	3
Aniline Dyes	4	2	2	2	2	2
Aniline Hydrochloride	2	2	2	2	4	2
Aniline Oil	4	3	2	2	4	3
Aniline Sulfate	3	3	1	X	1	1
Aniline Sulfite	3	3	1	X	1	1
Animal Fats	1	1	2	1	2	X
Animal Oil (Lard Oil)	1	1	2	2	2	1
Anisole	X	X	X	X	X	X
Anisoyl Chloride	X	X	X	X	X	X
AN-O-3 Grade M	1	1	4	1	2	1
AN-O-366	1	1	4	2	2	1
AN-O-6	1	1	4	1	2	1
Ansul Ether 161 or 181	3	4	3	3	4	3
Anthracene	2	1	4	X	4	2
Anthranilic Acid	X	X	X	X	X	X
Anthraquinone	X	X	X	X	X	X
Anti-freeze Solutions	3	3	1	X	1	1
Antimony Chloride	1	1	4	1	2	1
Antimony Pentachloride	1	1	4	1	2	1
Antimony Pentafluoride	X	X	X	X	X	X
Antimony Sulfate	X	X	X	X	X	X
Antimony Tribromide	1	1	4	1	2	1
Antimony Trichloride	1	1	4	1	2	1
Antimony Trifluoride	1	1	4	1	2	1
Antimony Trioxide	1	1	4	1	2	1
AN-VV-O-366b Hydr. Fluid	1	1	4	1	2	1

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Aqua Regia	4	2	3	3	4	X
Arachidic Acid	X	X	X	X	X	X
Argon	1	1	1	1	1	1
Aroclor, 1248	3	1	2	1	4	2
Aroclor, 1254	4	1	2	1	4	2
Aroclor, 1260	1	1	X	1	1	1
Aromatic Fuel -50%	2	1	4	2	4	2
Arsenic Acid	1	1	1	1	1	1
Arsenic Oxide	X	X	X	X	X	X
Arsenic Trichloride	1	4	4	X	1	X
Arsenic Trioxide	1	4	4	X	1	X
Arsenic Trisulfide	1	4	4	X	1	X
Arsenites	X	X	X	X	X	X
Arsine	X	X	X	X	X	X
Aryl Orthosilicate	X	X	X	X	X	X
Ascorbic Acid	3	3	1	X	1	1
Askarel Transformer Oil	2	1	4	2	4	2
Aspartic Acid	3	3	1	X	1	1
Asphalt	2	1	4	2	2	2
ASTM Oil, No. 1	1	1	4	1	1	1
ASTM Oil, No. 2	1	1	4	1	2	1
ASTM Oil, No. 3	1	1	4	1	4	1
ASTM Oil, No. 4	2	1	4	1	4	2
ASTM Oil, No. 5	1	1	4	1	2	X
ASTM Reference Fuel A	1	1	4	1	2	1
ASTM Reference Fuel B	1	1	4	1	4	1
ASTM Reference Fuel C	2	1	4	1	4	2
ASTM Reference Fuel D	2	1	4	4	4	X
ATL-857	2	1	4	1	4	2
Atlantic Dominion F	1	1	4	2	2	1
Atlantic Utro Gear-e	1	1	4	1	2	X
Atlantic Utro Gear-EP Lube	1	1	4	2	2	1
Aure 903R (Mobil)	1	1	4	2	2	4
AUREX 256	X	X	X	X	X	X
Automatic Transmission Fluid	1	1	4	2	2	X
Automotive Brake Fluid	3	4	1	2	2	4
AXAREL 9100	X	X	X	X	X	X

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Azobenzene	X	X	X	X	X	X
Bardol B	4	1	4	2	4	2
Barium Carbonate	3	3	1	X	1	1
Barium Chlorate	3	3	1	X	1	1
Barium Chloride	1	1	1	1	1	1
Barium Cyanide	1	1	1	1	1	1
Barium Hydroxide	1	1	1	1	1	1
Barium Iodide	1	1	1	1	1	1
Barium Nitrate	3	3	1	X	1	1
Barium Oxide	1	1	1	1	1	1
Barium Peroxide	3	3	1	X	1	1
Barium Polysulfide	3	3	1	X	1	1
Barium Salts	1	1	1	1	1	1
Barium Sulfate	1	1	1	1	1	X
Barium Sulfide	1	1	1	1	1	1
Bayol 35	1	1	4	2	2	1
Bayol D	1	1	4	2	2	1
Beer	1	1	1	1	1	1
Beet Sugar Liquids	1	1	1	1	1	X
Beet Sugar Liquors	1	1	1	1	2	1
Benzaldehyde	4	4	1	2	4	4
Benzaldehyde Disulfonic Acid	X	X	X	X	X	X
Benzamide	2	1	4	X	4	2
Benzanthrone	2	1	4	X	4	2
Benzene	4	1	4	2	4	3
Benzene Hexachloride	X	X	X	X	X	X
Benzenesulfonic Acid 10%	4	1	4	2	2	2
Benzidine	2	1	4	X	4	2
Benzidine 3 Sulfonic Acid	2	1	4	X	4	2
Benzil	2	1	4	X	4	2
Benzilic Acid	2	1	4	X	4	2
Benzine (Ligroin)	1	1	4	2	2	1
Benzocatechol	2	1	4	X	4	2
Benzochloride	4	1	1	1	4	1
Benzoic Acid	4	1	4	2	4	2
Benzoin	2	1	4	X	4	2
Benzonitrile	3	3	1	X	1	1

Manufacturer of pressure, temperature, flow switches & sensors for aerospace, defense & industrial uses
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O-Ring Compound Compatibility Rating

	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
1 - Satisfactory 2 - Fair (usually OK for static seal) 3 - Doubtful (sometimes OK for static seal) 4 - Unsatisfactory X - Not Tested						
Benzophenone	X	1	2	2	X	1
Benzoquinone	X	1	2	2	X	X
Benzotrichloride	4	1	1	1	4	X
Benzotrifluoride	4	1	1	1	4	X
Benzoyl Chloride	X	1	X	X	4	2
Benzoyl Peroxide	X	X	X	X	X	X
Benzoylsulfonic Acid	2	1	4	X	4	2
Benzyl Acetate	3	3	1	X	1	1
Benzyl Alcohol	4	1	2	2	2	2
Benzyl Amine	X	X	X	X	X	X
Benzyl Benzoate	4	1	4	2	4	1
Benzyl Bromide	4	1	4	2	4	1
Benzyl Butyl Phthalate	3	3	1	X	1	1
Benzyl Chloride	4	1	4	2	4	1
Benzyl Phenol	2	1	4	X	4	2
Benzyl Salicylate	2	1	4	X	4	2
Beryllium Chloride	1	1	1	1	3	3
Beryllium Fluoride	1	1	1	1	3	3
Beryllium Oxide	1	1	1	1	3	3
Beryllium Sulfate	3	3	1	X	1	1
Bismuth Carbonate	3	3	1	X	1	1
Bismuth Nitrate	3	3	1	X	1	1
Bismuth Oxychloride	3	3	1	X	1	1
Bittern	X	X	X	X	X	X
Black Liquor	2	1	1	1	1	X
Black Point 77	1	1	1	1	3	3
Blast Furnace Gas	4	1	4	2	4	2
Bleach Liquor	3	1	1	1	2	2
Bleach Solutions	X	1	1	X	X	X
Borax	2	1	1	1	4	2
Borax Solutions	X	1	1	X	X	X
Bordeaux Mixture	2	1	1	1	2	2
Boric Acid	1	1	1	1	1	1
Boric Oxide	3	3	1	X	1	1
Borneol	2	1	4	X	4	2
Bornyl Acetate	2	1	4	X	4	2
Bornyl Chloride	2	1	4	X	4	2

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X - Not Tested						
Bornyl Formate	2	1	4	X	4	2
Boron Fluids (HEF)	2	1	4	2	4	2
Boron Hydride	X	X	X	X	X	X
Boron Phosphate	X	X	X	X	X	X
Boron Tribromide	X	X	X	X	X	X
Boron Trichloride	X	X	X	X	X	X
Boron Trifluoride	X	X	X	X	X	X
Boron Trioxide	X	X	X	X	X	X
Brake Fluid DOT3 (Glycol Type)	3	4	1	2	2	4
Bray GG-130	2	1	4	2	4	2
Brayco 719-R (VV-H-910)	3	4	1	2	2	2
Brayco 885 (MIL-L-6085A)	2	1	4	2	4	2
Brayco 910	2	4	1	2	2	4
Bret 710	2	4	1	2	2	4
Brine	1	1	1	X	X	X
Brine (Seawater)	1	1	3	1	4	X
Brom - 113	3	X	4	3	4	X
Brom - 114	2	2	4	3	2	X
Bromic Acid	3	3	1	X	1	1
Bromine	4	1	4	2	4	2
Bromine Pentafluoride	4	4	4	3	4	4
Bromine Trifluoride	4	4	4	3	4	4
Bromine Water	4	1	2	3	4	2
Bromobenzene	4	1	4	2	4	1
Bromobenzene Cyanide	3	3	1	X	1	1
Bromochlorotrifluoroethane (Halothane)	4	1	4	2	4	2
Bromoform	2	1	4	X	4	2
Bromomethane (Methyl Bromide)	2	1	4	1	4	1
Bromotrifluoroethylene (BFE)	X	X	X	X	X	X
Bromotrifluoromethane (F-13B1)	X	X	X	X	X	X
Brucine Sulfate	3	3	1	X	1	1
Buffered Oxide Etchants	X	X	X	X	X	X
Bunker Oil	1	1	4	2	4	1
Bunker's C (Fuel Oil)	1	1	X	X	X	X
Butadiene (Monomer)	4	1	4	2	4	1
Butane	1	1	4	2	1	3
Butane, 2, 2-Dimethyl	1	1	4	2	2	3

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Butane, 2, 3-Dimethyl	1	1	4	2	2	3
Butanedial	3	3	1	X	1	1
Butanol (Butyl Alcohol)	1	1	2	1	1	1
Butene 2-Ethyl (1-Butene 2-Ethyl)	1	1	4	1	4	3
Butter-Animal Fat	1	1	1	1	2	1
Butyl Acetate or n-Butyl Acetate	4	4	2		4	4
Butyl Acetyl Ricinoleate	2	1	1	1	2	2
Butyl Acrylate	4	4	1	4	4	4
Butyl Alcohol	1	1	2	1	1	1
Butyl Alcohol (Secondary)	2	1	2	1	2	2
Butyl Alcohol (Tertiary)	2	1	2	1	2	2
Butyl Amine or N-Butyl Amine	1	4	3	3	4	4
Butyl Benzoate	3	3	1	X	1	1
Butyl Benzoate or n-Butyl Benzoate	4	1	1		4	1
Butyl Benzolate	X	X	X	X	X	X
Butyl Butyrate or n-Butyl Butyrate	4	1	1		4	1
Butyl Carbitol	4	3	1	2	3	4
Butyl Cellosolve	3	4	2	2	3	4
Butyl Cellosolve Acetate	3	3	1	X	1	1
Butyl Cellosolve Adipate	4	2	2	2	4	2
Butyl Chloride	1	1	4	X	2	1
Butyl Ether or n-Butyl Ether	3	4	3		4	3
Butyl Glycolate	3	3	1	X	1	1
Butyl Lactate	3	3	1	X	1	1
Butyl Laurate	3	3	1	X	1	1
Butyl Mercaptan (Tertiary)	4	1	4		4	X
Butyl Methacrylate	3	3	1	X	1	1
Butyl Oleate	4	1	2	2	4	2
Butyl Oxalate	3	3	1	X	1	1
Butyl Stearate	2	1	4	2	4	2
Butylbenzoic Acid	2	1	4	X	4	2
Butylene	2	1	4	2	3	2
Butyraldehyde	4	4	2	2	4	4
Butyric Acid	4	2	2	1	4	X
Butyric Anhydride	3	3	1	X	1	1
Butyrolacetone	3	3	1	X	1	1
Butyryl Chloride	2	1	4	X	4	2

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Cadmium Chloride	3	3	1	X	1	1
Cadmium Cyanide	3	3	1	X	1	1
Cadmium Nitrate	3	3	1	X	1	1
Cadmium Oxide	3	3	1	X	1	1
Cadmium Sulfate	3	3	1	X	1	1
Cadmium Sulfide	3	3	1	X	1	1
Calcine Liquors	1	1	1	1	X	1
Calcium Acetate	2	4	1	2	2	4
Calcium Arsenate	3	3	1	X	1	1
Calcium Benzoate	2	1	4	X	4	2
Calcium Bicarbonate	3	3	1	X	1	1
Calcium Bisulfide	3	3	1	X	1	1
Calcium Bisulfite	2	2	1	1	2	3
Calcium Bromide	1	1	1	1	1	1
Calcium Carbide	X	X	X	X	X	X
Calcium Carbonate	1	1	1	1	1	1
Calcium Chlorate	3	3	1	X	1	1
Calcium Chloride	1	1	1	1	1	1
Calcium Chromate	3	3	1	X	1	1
Calcium Cyanamide	X	X	X	X	X	X
Calcium Cyanide	1	X	1	1	1	X
Calcium Fluoride	1	1	1	1	1	1
Calcium Gluconate	3	3	1	X	1	1
Calcium Hydride	1	1	1	1	1	1
Calcium Hydrosulfide	3	3	1	X	1	1
Calcium Hydroxide	1	1	1	1	1	1
Calcium Hypochlorite	2	1	1	1	2	2
Calcium Hypophosphite	3	3	1	X	1	1
Calcium Lactate	3	3	1	X	1	1
Calcium Naphthenate	X	X	X	X	X	X
Calcium Nitrate	1	1	1	1	1	1
Calcium Oxalate	3	3	1	X	1	1
Calcium Oxide	1	1	1	1	1	1
Calcium Permanganate	X	X	X	X	X	X
Calcium Peroxide	X	X	X	X	X	X
Calcium Phenolsulfonate	3	3	1	X	1	1
Calcium Phosphate	1	1	1	1	2	X

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Calcium Phosphate Acid	3	3	1	X	1	1
Calcium Propionate	3	3	1	X	1	1
Calcium Pyridine Sulfonate	X	X	X	X	X	X
Calcium Salts	1	1	1	1	1	1
Calcium Silicate	1	1	1	1	1	X
Calcium Stearate	2	1	4	X	4	2
Calcium Sulfamate	2	1	4	X	4	2
Calcium Sulfate	3	3	1	X	1	1
Calcium Sulfide	1	1	1	1	1	1
Calcium Sulfite	1	1	1	1	1	1
Calcium Thiocyanate	3	3	1	X	1	1
Calcium Thiosulfate	2	1	1	1	1	1
Calcium Tungstate	3	3	1	X	1	1
Caliche Liquors	1	1	1	1	1	1
Camphene	2	1	4	X	4	2
Camphor	2	1	4	X	4	2
Camphoric Acid	2	1	4	X	4	2
Cane Sugar Liquors	1	1	1	1	1	1
Capric Acid	1	1	4	X	2	1
Caproic Acid	1	1	4	X	2	1
Caproic Aldehyde	X	4	2	3	X	4
Caprolactam	1	1	4	X	2	1
Capronaldehyde	1	1	4	X	2	1
Carbamate	3	1	2	1	2	1
Carbazole	X	X	X	X	X	X
Carbitol	2	2	2	1	2	2
Carbolic Acid (Phenol)	4	1	2	1	4	1
Carbon Bisulfide	4	1	4	2	4	1
Carbon Dioxide	1	1	1	1	1	1
Carbon Dioxide (Explosive Decompression Use)	1	1	1	1	1	1
Carbon Disulfide	4	1	4	2	4	1
Carbon Fluorides	2	1	4	2	4	2
Carbon Monoxide	1	1	1	1	2	2
Carbon Tetrabromide	X	X	X	X	X	X
Carbon Tetrachloride	2	1	4	2	4	2
Carbon Tetrafluoride	2	1	4	2	4	2
Carbonic Acid	2	1	1	1	1	1

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Casein	3	3	1	X	1	1
Castor Oil	1	1	2	1	1	1
Caustic Lime	3	3	1	X	1	1
Caustic Potash	3	3	1	X	1	1
Caustic Soda (Sodium Hydroxide)	3	3	1	X	1	1
Cellosolve	4	4	2	3	4	4
Cellosolve, Acetate	4	4	2	2	4	4
Cellosolve, Butyl	4	4	2	2	4	4
Cellugard	1	1	1	1	1	1
Cellulose Acetate	3	3	1	X	1	1
Cellulose Acetate Butyrate	3	3	1	X	1	1
Cellulose Ether	3	3	1	X	1	1
Cellulose Nitrate *	3	3	1	X	1	1
Cellulose Tripropionate	3	3	1	X	1	1
Cellulube (Phosphate Esters)	X	X	X	X	X	X
Cellutherm 2505A	2	1	4	2	4	2
Cerium Sulfate	3	3	1	X	1	1
Cerous Chloride	3	3	1	X	1	1
Cerous Fluoride	3	3	1	X	1	1
Cerous Nitrate	3	3	1	X	1	1
Cetane (Hexadecane)	1	1	4	2	2	3
Cetyl Alcohol	1	1	4	X	2	1
Chaulmoogric Acid	X	X	X	X	X	X
China Wood Oil (Tung Oil)	1	1	4	2	2	2
Chloral	3	3	1	X	1	1
Chloramine	X	X	X	X	X	X
Chloranthraquinone	2	1	4	X	4	2
Chlordane	2	1	4	2	3	2
Chlorextol	2	1	4	2	2	2
Chloric Acid	3	3	1	X	1	1
Chlorinated Solvents, Dry	4	1	4	2	4	1
Chlorinated Solvents, Wet	4	1	4	2	4	1
Chlorine (Dry)	2	1	4	X	4	2
Chlorine (Plasma)	X	X	X	X	X	X
Chlorine (Wet)	X	X	X	X	X	X
Chlorine Dioxide	4	1	3	2	4	2
Chlorine Dioxide, 8% Cl as NaClO ₂ in solution	4	1	4	2	4	2

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X - Not Tested						
Chlorine Trifluoride	4	4	4	4	4	4
Chlorine Water	3	1	2	1	4	X
Chloro 1-Nitro Ethane (1-Chloro 1-Nitro Ethane)	4	4	4	3	4	4
Chloro Oxyfluorides	X	X	X	X	X	X
Chloro Xylenols	2	1	4	X	4	2
Chloroacetaldehyde	3	3	1	X	1	1
Chloroacetic Acid	4	4	2	2	4	4
Chloroacetone	4	4	1	2	4	4
Chloroacetyl Chloride	X	X	X	X	X	X
Chloroamino Benzoic Acid	3	3	1	X	1	1
Chloroaniline	3	3	1	X	1	1
Chlorobenzaldehyde	3	3	1	X	1	1
Chlorobenzene	4	1	4	2	4	2
Chlorobenzene (Mono)	4	1	4	2	4	2
Chlorobenzene Chloride	2	1	4	X	4	2
Chlorobenzene Trifluoride	2	1	4	X	4	2
Chlorobenzochloride	2	1	4	X	4	2
Chlorobenzotrifluoride	2	1	4	X	4	2
Chlorobromo Methane	4	1	2	1	4	2
Chlorobromopropane	2	1	4	X	4	2
Chlorobutadiene	4	1	4	2	4	2
Chlorobutane (Butyl Chloride)	1	1	4	X	2	1
Chlorododecane	4	1	4	2	4	1
Chloroethane	1	1	4	X	2	1
Chloroethane Sulfonic Acid	3	3	1	X	1	1
Chloroethylbenzene	2	1	4	X	4	2
Chloroform	4	1	4	2	4	4
Chlorohydrin	3	3	1	X	1	1
Chloronaphthalene or o-Chloronaphthalene	4	1	4	X	4	2
Chloronitrobenzene	3	3	1	X	1	1
Chlorophenol or o-Chlorophenol	4	1	4	X	4	2
Chloropicrin	2	1	4	X	4	2
Chloroprene	2	1	4	X	4	2
Chlorosilanes	X	X	X	X	X	X
Chlorosulfonic Acid	4	4	4	4	4	4
Chlorotoluene	4	1	4	2	4	2
Chlorotoluene Sulfonic Acid	3	3	1	X	1	1

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Chlorotoluidine	2	1	4	X	4	2
Chlorotrifluoroethylene (CTFE)	X	X	X	X	X	X
Chlorox	2	1	2	1	2	1
Chloroxylols	X	X	X	X	X	X
Cholesterol	2	1	4	X	4	2
Chrome Alum	1	1	1	1	1	X
Chrome Plating Solutions	4	1	2	1	4	2
Chromic Acid	4	1	2	X	4	2
Chromic Chloride	X	X	X	X	X	X
Chromic Fluorides	X	X	X	X	X	X
Chromic Hydroxide	X	X	X	X	X	X
Chromic Nitrates	X	X	X	X	X	X
Chromic Oxide	4	1	2	1	4	X
Chromic Phosphate	X	X	X	X	X	X
Chromic Sulfate	X	X	X	X	X	X
Chromium Potassium Sulfate (Alum)	2	1	2	2	X	X
Chromyl Chlorides	X	X	X	X	X	X
Cinnamic Acid	2	1	4	X	4	2
Cinnamic Alcohol	2	1	4	X	4	2
Cinnamic Aldehyde	2	1	4	X	4	2
Circo Light Process Oil	1	1	4	2	2	1
Citric Acid	1	1	1	1	1	1
City Service #65 #120 #250	1	1	4	2	2	1
City Service Koolmoter-AP Gear Oil 140-EP Lube	1	1	4	2	2	1
City Service Pacemaker #2	1	1	4	2	2	1
Clorox	2	1	2	X	X	X
Coal Tar	1	1	X	X	X	X
Cobalt Chloride	1	1	1	1	1	1
Cobalt Chloride, 2N	1	1	1	1	1	1
Cobaltous Acetate	3	3	1	X	1	1
Cobaltous Bromide	1	1	1	1	1	1
Cobaltous Linoleate	X	X	X	X	X	X
Cobaltous Naphthenate	X	X	X	X	X	X
Cobaltous Sulfate	3	3	1	X	1	1
Coconut Oil	1	1	3	2	3	1
Cod Liver Oil	1	1	1	1	2	1
Codeine	2	1	4	X	4	2

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Coffee	1	1	1	1	1	1
Coke Oven Gas	4	1	4	2	4	2
Coliche Liquors	2	X	2	2	1	X
Convelex 10	4	X	X	X	4	X
Coolanol 20 25R 35R 40& 45A (Monsanto)	1	1	3	2	2	1
Copper Acetate	2	4	1	2	2	4
Copper Ammonium Acetate	3	3	1	X	1	1
Copper Carbonate	3	3	1	X	1	1
Copper Chloride	1	1	1	1	2	1
Copper Cyanide	1	1	1	1	1	1
Copper Gluconate	3	3	1	X	1	1
Copper Naphthenate	X	X	X	X	X	X
Copper Nitrate	2	1	2	2	X	X
Copper Oxide	1	1	1	1	1	1
Copper Salts	1	1	1	1	1	1
Copper Sulfate	1	1	1	1	1	1
Copper Sulfate 10%	1	1	1	1	1	1
Copper Sulfate 50%	1	1	1	1	1	1
Corn Oil	1	1	3	2	3	1
Cottonseed Oil	1	1	3	2	3	2
Creosote, Coal Tar	1	1	4	2	2	1
Creosote, Wood	1	1	4	2	2	1
Cresol (Methyl Phenol)	X	1	X	X	X	X
Cresols	4	2	4	2	4	X
Cresylic Acid	4	1	4	2	4	X
Crotonaldehyde	2	1	4	X	4	2
Crotonic Acid	2	1	4	X	4	2
Crude Oil	2	1	4	2	4	2
Cumaldehyde	2	1	4	X	4	2
Cumene	4	1	4	2	4	2
Cumene Hydroperoxide	X	X	X	X	X	X
Cupric Sulfate	2	1	2	2	X	X
Cutting Oil	1	1	4	2	2	1
Cyanamide	X	X	X	X	X	X
Cyanides	X	X	X	X	X	X
Cyanogen Chloride	X	X	X	X	X	X
Cyanogen Gas	X	X	X	X	X	X

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X - Not Tested						
Cyanohydrin	X	X	X	X	X	X
Cyanuric Chloride	X	X	X	X	X	X
Cyclohexane	1	1	4	2	3	1
Cyclohexanol	1	1	4	2	2	1
Cyclohexanone	4	4	2	3	4	4
Cyclohexene	2	1	4	X	4	2
Cyclohexylamine	1	1	4	X	2	1
Cyclohexylamine Carbonate	X	X	X	X	X	X
Cyclohexylamine Laurate	1	1	4	X	2	1
Cyclopentadiene	2	1	4	X	4	2
Cyclopentane	1	1	4	2	3	1
Cyclopolyolefins	1	1	4	2	3	1
Cymene or p-Cymene	4	1	4	X	4	2
DDT (Dichlorodiphenyltrichloroethane)	2	1	4	X	4	2
Decalin	4	1	4	2	4	1
Decane	1	1	4	2	3	1
Delco Brake Fluid	3	4	1	2	2	4
Denatured Alcohol	1	1	1	1	1	1
Detergent, Water Solution	1	1	1	1	2	1
Developing Fluids (Photo)	1	1	2	1	1	1
Dexron	1	1	4	2	2	2
Dextrin	1	1	4	X	2	1
Dextro Lactic Acid	3	3	1	X	1	1
Dextron	1	1	4	1	2	X
Dextrose	3	3	1	X	1	1
DI Water	2	2	1	X	1	1
Diacetone	4	4	1	2	4	4
Diacetone Alcohol	4	4	1	2	2	4
Dialkyl Sulfates	3	3	1	X	1	1
Diallyl Ether	X	X	X	X	X	X
Diallyl Phthalate	X	X	X	X	X	X
Diamylamine	1	1	4	X	2	1
Diazinon	3	2	4	2	3	2
Dibenzyl (sym-Diphenylethane)	2	1	4	X	4	2
Dibenzyl Ether	4	4	2	2	4	X
Dibenzyl Sebacate	4	2	2	2	4	3
Diborane	X	X	X	X	X	X

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O-Ring Compound Compatibility Rating

	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
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Dibromoethane	2	1	4	X	4	2
Dibromoethyl Benzene	4	1	4	2	4	2
Dibutyl Cellosolve Adipate	3	3	1	X	1	1
Dibutyl Ether	4	3	3	3	4	3
Dibutyl Methylenedithio Glycolate	2	1	4	X	4	2
Dibutyl Phthalate	4	3	2	3	4	3
Dibutyl Sebacate	4	2	2	2	4	2
Dibutyl Thioglycolate	2	1	4	X	4	2
Dibutyl Thiourea	2	1	4	X	4	2
Dibutylamine	4	4	1	4	3	4
Dichloroacetic Acid	2	1	4	X	4	2
Dichloroaniline	3	3	1	X	1	1
Dichlorobenzene or o-Dichlorobenzene	4	1	4		4	2
Dichlorobenzene or p-Dichlorobenzene	4	1	4		4	2
Dichlorobutane	2	1	4	2	4	2
Dichlorobutene	2	1	4	X	4	2
Dichlorodiphenyl-Dichloroethane (DDD)	2	1	4	X	4	2
Dichloroethane	2	1	4	X	4	2
Dichloroethylene	2	1	4	X	4	2
Dichlorohydrin	3	3	1	X	1	1
Dichloroisopropyl Ether	4	3	3	3	4	3
Dichloromethane	2	1	4	X	4	2
Dichlorophenol	2	1	4	X	4	2
Dichlorophenoxyacetic Acid	2	1	4	X	4	2
Dichloropropane	2	1	4	X	4	2
Dichloropropene	2	1	4	X	4	2
Dichlorosilane	X	X	X	X	X	X
Dicyclohexylamine	1	4	4	4	4	4
Dicyclohexylammonium Nitrate	3	3	1	X	1	1
Dieldrin	2	1	4	X	4	2
Diesel Oil	1	1	4	2	3	1
Di-ester Lubricant MIL-L-7808	2	1	4	2	4	2
Di-ester Synthetic Lubricants	2	1	4	2	4	2
Diethanolamine (DEA)	3	3	1	X	1	1
Diethyl Benzene	X	1	X	X	X	X
Diethyl Carbonate	3	3	1	X	1	1
Diethyl Ether	4	4	4	4	3	3

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Diethyl Phthalate	2	1	4	X	4	2
Diethyl Sebacate	2	2	2	2	4	2
Diethyl Sulfate	4	3	1	2	4	X
Diethylamine	2	4	1	X	1	1
Diethylaniline	3	3	1	X	1	1
Diethylene Glycol	1	1	1	1	1	1
Diethylenetriamine	X	X	X	X	X	X
Difluorodibromomethane	4	X	2	2	4	X
Difluoroethane	2	1	4	X	4	2
Difluoromonochloroethane	2	1	4	X	4	2
Diglycol Chloroformate	3	3	1	X	1	1
Diglycolic Acid	3	3	1	X	1	1
Dihydroxydiphenylsulfone	3	3	1	X	1	1
Diisobutyl Ketone	X	X	1	1	X	X
Diisobutylcarbinol	1	1	4	X	2	1
Diisobutylene	2	1	4	2	4	3
Diisooctyl Sebacate	3	2	3	2	4	3
Diisopropyl Ether (DIPE)	X	X	X	X	X	X
Diisopropyl Ketone	4	4	1	2	4	4
Diisopropylbenzene	2	1	4	X	4	2
Diisopropylidene Acetone	2	1	4	X	4	2
Dimethyl Acetamide	3	3	1	X	1	1
Dimethylaniline (Xylidine)	2	1	4	X	4	2
Dimethyldisulfide (DMDS)	1	1	4	X	2	1
Dimethyl Ether	1	2	2	4	3	X
Dimethyl Formaldehyde	3	3	1	X	1	1
Dimethyl Formamide (DMF)	2	4	1	2	3	4
Dimethylhydrazine	3	3	1	X	1	1
Dimethyl Phenyl Carbinol	2	1	4	X	4	2
Dimethyl Phenyl Methanol	2	1	4	X	4	2
Dimethyl Phthalate	4	2	2	2	4	2
Dimethyl Sulfoxide (DMSO)	3	3	1	X	1	1
Dimethyl Terephthalate (DMT)	2	1	4	X	4	2
Dimethylamine (DMA)	2	4	1	2	2	4
Dinitrochlorobenzene	2	1	4	X	4	2
Dinitrogen Tetroxide	X	X	X	X	X	X
Dinitrotoluene (DNT)	4	4	4	4	4	4

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Diocetyl Phthalate	4	2	2	2	4	2
Diocetyl Sebacate	4	2	2	2	4	3
Diocetylamine	1	1	4	X	2	1
Dioxane	4	4	2	3	4	4
Dioxolane	4	4	2	3	4	4
Dipentene	2	1	4	2	4	2
Diphenyl	4	1	4	2	4	2
Diphenyl Oxides	4	1	4	2	4	2
Diphenylamine (DPA)	2	1	4	X	4	2
Diphenylene Oxide	X	X	X	X	X	X
Diphenylpropane	2	1	4	X	4	2
Disilane	X	X	X	X	X	X
Di-Tert-Butyl Peroxide	X	X	X	X	X	X
Dodecylbenzene	2	1	4	X	4	2
Dow Chemical 50-4	X	4	1	2	2	4
Dow Chemical ET378	4	X	X	X	4	X
Dow Chemical ET588	3	4	1	2	2	4
Dow Corning -11	2	1	1	1	1	1
Dow Corning 1208, 4050, 6620, F-60, XF-60	1	1	1	1	1	X
Dow Corning -1265 Fluorosilicone Fluid	2	1	1	1	1	3
Dow Corning -200	2	1	1	1	1	2
Dow Corning -220	1	1	1	1	1	X
Dow Corning -3	2	1	1	X	1	1
Dow Corning -33	2	1	1	X	1	2
Dow Corning -4	2	1	1	X	1	1
Dow Corning -44	2	1	1	X	1	2
Dow Corning -5	2	1	1	X	1	2
Dow Corning -510	2	1	1	X	1	2
Dow Corning -55	2	1	1	X	1	2
Dow Corning -550	2	1	1	X	1	2
Dow Corning -704	2	1	1	X	1	2
Dow Corning -705	2	1	1	X	1	2
Dow Corning -710	2	1	1	X	1	2
Dow Corning F-61	1	1	1	1	1	X
Dow Guard	1	1	1	X	1	1
Dowanol P Mix	X	X	X	X	X	X
Dowtherm, 209	3	4	1	X	2	3

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Dowtherm, A	4	1	4	X	4	2
Dowtherm, E	4	1	4	X	4	2
Drinking Water	1	1	1	X	2	1
Dry Cleaning Fluids	3	1	4	X	4	2
DTE 20 Series, Mobil	2	1	4	2	1	2
DTE named series, Mobil, light-heavy	1	1	4	2	2	1
Elco 28-EP lubricant	1	1	4	X	3	1
Epichlorohydrin	4	4	2	X	4	4
Epoxy Resins	X	4	1	X	1	X
Erucic Acid	X	X	X	X	X	X
Esam-6 Fluid	X	4	1	X	2	4
Esso Fuel 208	1	1	4	X	2	1
Esso Golden Gasoline	2	1	4	X	4	1
Esso Motor Oil	1	1	4	X	3	1
Esso Transmission Fluid (Type A)	1	1	4	X	2	1
Esso WS2812 (MIL-L-7808A)	1	1	4	X	4	1
Esso XP90-EP Lubricant	1	1	4	X	2	1
Esstic 42, 43	1	1	4	X	2	1
Ethane	1	1	4	X	2	3
Ethanol	3	3	1	X	1	1
Ethanol Amine	2	4	1	X	2	4
Ethers	4	3	3	X	4	3
Ethoxyethyl Acetate (EGMEEA)	3	3	1	X	1	1
Ethyl Acetate-Organic Ester	4	4	2	X	4	4
Ethyl Acetoacetate	4	4	2	X	4	4
Ethyl Acrylate	4	4	2	X	4	4
Ethyl Alcohol	3	3	1	X	1	1
Ethyl Ammonium Dichloride	X	X	X	X	X	X
Ethyl Benzene	4	1	4	X	4	1
Ethyl Benzoate	4	1	4	X	4	1
Ethyl Bromide	2	1	4	X	4	1
Ethyl Cellosolve	4	4	2	X	4	4
Ethyl Cellulose	2	4	2	X	2	4
Ethyl Chloride	1	1	3	X	4	1
Ethyl Chlorocarbonate	4	1	2	X	4	2
Ethyl Chloroformate	4	4	2	X	4	4
Ethyl Ether	3	4	3	X	4	3

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X - Not Tested						
Ethyl Formate	4	1	2	X	2	1
Ethyl Hexanol	1	1	1	X	1	1
Ethyl Lactate	3	3	1	X	1	1
Ethyl Mercaptan	4	2	X	X	3	X
Ethyl Nitrite	3	3	1	X	1	1
Ethyl Oxalate	4	2	1	X	4	2
Ethyl Pentachlorobenzene	4	1	4	X	4	2
Ethyl Pyridine	2	1	4	X	4	2
Ethyl Silicate	1	1	1	X	1	1
Ethyl Stearate	2	1	4	X	4	2
Ethyl Sulfate	X	4	1	1	X	X
Ethyl Tertiary Butyl Ether	X	X	X	X	X	X
Ethyl Valerate	2	1	4	X	4	2
Ethylacrylic Acid	4	X	2	X	2	4
Ethylamine	3	3	1	X	1	1
Ethylcyclopentane	1	1	4	X	3	1
Ethylene	3	2	4	X	4	2
Ethylene Chloride	4	2	4	X	4	2
Ethylene Chlorohydrin	4	1	2	X	2	2
Ethylene Cyanohydrin	2	1	4	X	4	2
Ethylene Diamine	1	4	1	X	1	4
Ethylene Dibromide	4	1	3	X	4	3
Ethylene Dichloride	4	1	3	X	4	3
Ethylene Glycol	1	1	1	X	1	1
Ethylene Hydrochloride	4	1	3	X	4	3
Ethylene Oxide	4	4	3	X	4	4
Ethylene Oxide, (12%) and Freon 12 (80%)	3	4	2	X	4	4
Ethylene Trichloride	4	1	3	X	4	3
Ethyleneimine	X	X	X	X	X	X
Ethylmorpholene Stannous Octotate(50/50 mixture)	4	4	2	X	X	X
Ethylmorpholine	2	1	4	X	4	2
Ethylsulfuric Acid	3	3	1	X	1	1
F-60 Fluid (Dow Corning)	1	1	1	X	1	1
F-61 Fluid (Dow Corning)	1	1	1	X	1	1
Fatty Acids	2	1	3	X	2	X
FC-43 Heptacosofluorotri-butylamine	1	1	1	X	1	1
FC75 & FC77 (Fluorocarbon)	1	2	1	X	1	2

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X - Not Tested						
Ferric Acetate	3	3	1	X	1	1
Ferric Ammonium Sulfate	3	3	1	X	1	1
Ferric Chloride	1	1	1	X	2	1
Ferric Ferrocyanide	3	3	1	X	1	1
Ferric Hydroxide	3	3	1	X	1	1
Ferric Nitrate	1	1	1	X	1	1
Ferric Persulfate	1	1	1	1	1	X
Ferric Sulfate	1	1	1	1	1	X
Ferrous Ammonium Citrate	3	3	1	X	1	1
Ferrous Ammonium Sulfate	3	3	1	X	1	1
Ferrous Carbonate	3	3	1	X	1	1
Ferrous Chloride	X	X	X	X	X	X
Ferrous Iodide	3	3	1	X	1	1
Ferrous Sulfate	3	3	1	X	1	1
Ferrous Tartrate	3	3	1	X	1	1
Fish Oil	2	1	4	X	4	2
Fisher Reagent	X	X	2	X	X	X
Fluorinated Cyclic Ethers	X	X	1	X	X	X
Fluorine (Gas)	X	X	X	X	X	X
Fluorine (Liquid)	4	2	4	X	X	X
Fluorobenzene	2	1	4	X	4	2
Fluoroboric Acid	1	X	1	X	X	X
Fluorocarbon Oils	X	X	1	X	X	X
Fluoroform (Trifluoromethane)	X	X	X	X	X	X
Fluorolube	1	2	1	X	1	2
Fluorophosphoric Acid	X	X	X	X	X	X
Fluorosilicic Acid	1	2	2	1	1	X
Fluorosulfonic Acid	X	X	X	X	X	X
Formaldehyde	3	4	2	X	3	4
Formamide	3	3	1	X	1	1
Formic Acid	X	4	1	3	1	X
Freon, 11	4	2	4	X	4	2
Freon, 112 (Tetrachlorodifluoroethane)	2	1	4	X	2	X
Freon, 113	1	2	4	X	1	X
Freon, 113 + High and Low Aniline Oil	1	X	X	4	X	X
Freon, 114	1	1	1	X	1	X
Freon, 114B2	2	2	4	X	2	X

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Freon, 115, 116	1	2	1	X	1	X
Freon, 12	2	3	3	X	1	3
Freon, 12 and ASTM Oil #2 (50/50 Mixture)	2	1	4	X	3	2
Freon, 12 and Suniso 4G (50/50 Mixture)	2	1	4	X	3	2
Freon, 123 (Dichlorotrifluoroethane)	X	X	X	X	X	X
Freon, 124 (Chlorotetrafluoroethane)	X	X	X	X	X	X
Freon, 125 (Pentafluoroethane)	X	X	X	X	X	X
Freon, 13	1	1	1	X	1	4
Freon, 134a (Tetrafluoroethane)	X	X	X	X	X	X
Freon, 13B1	1	1	1	X	1	2
Freon, 14	1	1	1	X	1	X
Freon, 141b (Dichlorofluoroethane)	X	X	X	X	X	X
Freon, 142b	2	2	4	4	1	X
Freon, 152a (Difluoroethane)	X	X	X	X	X	X
Freon, 21	4	4	4	X	3	X
Freon, 218	1	1	1	X	X	X
Freon, 22 (Chlorodifluoroethane)	4	4	3	X	1	4
Freon, 22 and ASTM Oil #2 (50/50 Mixture)	4	2	4	X	2	2
Freon, 23 (Fluoroform)	X	X	X	X	X	X
Freon, 31	4	4	1	X	1	X
Freon, 32	1	4	1	X	1	X
Freon, 502	2	2	1	X	1	X
Freon, BF (R112)	2	1	4	X	2	X
Freon, C316	1	1	1	X	X	X
Freon, C318	1	2	1	X	1	X
Freon, K-142b	1	4	1	X	1	X
Freon, K-152a	1	4	1	X	1	X
Freon, MF (R11)	2	2	4	X	4	X
Freon, PCA (R113)	1	2	4	X	1	X
Freon, TA	1	3	2	X	X	X
Freon, TC	1	1	2	X	X	X
Freon, TF (R113)	1	2	4	X	1	X
Freon, TMC	2	1	3	X	X	X
Freon, T-P35	1	1	1	X	X	X
Freon, T-WD602	2	1	2	X	X	X
Fuel Oil, #6	2	1	4	X	4	1
Fuel Oil, 1, and 2	1	1	4	X	2	1

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Fuel Oil, Acidic	1	1	4	X	2	1
Fumaric Acid	1	1	2	X	2	1
Fuming Sulphuric Acid (20/25% Oleum)	4	1	4	X	4	X
Furaldehyde	4	4	2	4	4	X
Furan (Furfuran)	4	1	3	X	4	X
Furfural (Furfuraldehyde)	4	4	2	X	4	X
Furfuraldehyde	4	4	2	X	4	X
Furfuryl Alcohol	4	X	2	X	4	4
Furoic Acid	X	X	X	X	X	X
Furyl Carbinol	4	X	2	X	4	4
Fyrquel 150 220 300 550	4	1	1	X	4	2
Fyrquel 90, 100, 500	4	1	1	1	X	X
Fyrquel A60	4	4	2	2	4	X
Gallic Acid	2	1	2	X	2	1
Gasoline	1	1	4	X	4	1
Gelatin	1	1	1	X	1	1
Germane (Germanium Tetrahydride)	X	X	X	X	X	X
Girling Brake Fluid	3	4	1	X	2	4
Glauber's Salt	4	1	2	X	2	1
Gluconic Acid	3	3	1	X	1	1
Glucose	1	1	1	X	1	1
Glue	X	X	X	X	X	X
Glutamic Acid	3	3	1	X	1	1
Glycerine (Glycerol)	1	1	1	X	1	1
Glycerol Dichlorohydrin	3	3	1	X	1	1
Glycerol Monochlorohydrin	3	3	1	X	1	1
Glycerol Triacetate	3	3	1	X	1	1
Glycerophosphoric Acid	3	3	1	X	1	1
Glyceryl Phosphate	3	3	1	X	1	1
Glycidol	3	3	1	X	1	1
Glycol Monoether	X	X	X	X	X	X
Glycolic Acid	3	3	1	X	1	1
Glycols	1	1	1	X	1	1
Glyoxylic Acid	3	3	1	X	1	1
Grease Petroleum Base	1	1	4	X	3	1
Green Sulfate Liquor	2	1	1	X	2	2
Gulf Endurance Oils	1	1	4	X	2	1

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Gulf FR Fluids (Emulsion)	1	1	4	X	2	1
Gulf FR G-Fluids	1	1	1	X	1	1
Gulf FR P-Fluids	4	2	2	X	4	2
Gulf Harmony Oils	1	1	4	X	2	1
Gulf High Temperature Grease	1	1	4	X	2	1
Gulf Legion Oils	1	1	4	X	2	1
Gulf Paramount Oils	1	1	4	X	2	1
Gulf Security Oils	1	1	4	X	2	1
Gulfcrown Grease	1	1	4	X	2	1
Halothane	4	1	4	X	4	2
Halowax Oil	4	1	4	X	4	1
Hannifin Lube A	1	1	4	X	1	1
Heavy Water	1	X	1	X	2	1
HEF-2 (High Energy Fuel)	2	1	4	X	4	2
Helium	1	1	1	X	1	1
Heptachlor	2	1	4	X	4	2
Heptachlorobutene	2	1	4	X	4	2
Heptaldehyde (Heptanal)	1	1	4	X	2	1
Heptane or n-Heptane	1	1	4	X	2	3
Heptanoic Acid	1	1	4	X	2	1
Hexachloroacetone	3	3	1	X	1	1
Hexachlorobutadiene	2	1	4	X	4	2
Hexachlorobutene	2	1	4	X	4	2
Hexachloroethane	2	1	4	X	4	2
Hexaethyl Tetraphosphate	X	X	X	X	X	X
Hexafluoroethane (F-116)	X	X	X	X	X	X
Hexafluoroxylene	X	X	X	X	X	X
Hexafluoroxylene	X	X	X	X	X	X
Hexaldehyde or n-Hexaldehyde	4	4	1	X	1	4
Hexamethyldisilazane	X	X	X	X	X	X
Hexamethylene (Cyclohexane)	1	1	4	X	2	1
Hexamethylene Diammonium Adipate	2	1	4	X	4	2
Hexamethylenediamine	3	3	1	X	1	1
Hexamethylenetetramine	3	3	1	X	1	1
Hexane or n-Hexane	1	1	4	X	2	3
Hexene-1 or n-Hexene-1	2	1	4	X	2	4
Hexone (Methyl Isobutyl Ketone)	3	3	1	X	1	1

Manufacturer of pressure, temperature, flow switches & sensors for aerospace, defense & industrial uses

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O-Ring Compound Compatibility Rating

	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
1 - Satisfactory						
2 - Fair (usually OK for static seal)						
3 - Doubtful (sometimes OK for static seal)						
4 - Unsatisfactory						
X - Not Tested						
Hexyl Acetate	1	1	4	X	2	1
Hexyl Alcohol	1	1	3	X	2	2
Hexylene Glycol	3	3	1	X	1	1
Hexylresorcinol	2	1	4	X	4	2
High Viscosity Lubricant, H2	1	1	1	X	2	2
High Viscosity Lubricant, U4	1	1	1	X	2	2
HiLo MS #1	4	4	1	X	4	3
Houghto-Safe 1010 phosphate ester	4	1	1	X	4	2
Houghto-Safe 1055 phosphate ester	4	1	1	X	4	2
Houghto-Safe 1120 phosphate ester	4	1	2	X	4	2
Houghto-Safe 271 (Water & Glycol Base)	1	2	1	X	2	2
Houghto-Safe 416 & 500 Series	1	X	1	X	X	X
Houghto-Safe 5040 (Water/Oil emulsion)	1	1	4	X	2	2
Houghto-Safe 620 Water/Glycol	1	2	1	X	2	2
Hydraulic Oil (Petroleum Base, Industrial)	1	1	4	X	2	1
Hydraulic Oils (Synthetic Base)	2	1	4	X	4	2
Hydrazine	2	4	1	X	2	4
Hydrazine (Anhydrous)	4	4	2	2	2	4
Hydrazine Dihydrochloride	3	3	1	X	1	1
Hydrazine Hydrate	3	3	1	X	1	1
Hydriodic Acid	2	1	4	X	4	2
Hydroabietyl Alcohol	X	X	X	X	X	X
Hydrobromic Acid	4	1	1	X	4	3
Hydrobromic Acid 40%	4	1	1	X	2	3
Hydrocarbons, Saturated	1	1	4	X	2	1
Hydrochloric Acid (cold) 37%	4	1	3	1	4	X
Hydrochloric Acid (hot) 37%	4	1	3	X	4	2
Hydrochloric Acid, 3 Molar to 158°F	2	1	1	X	2	3
Hydrochloric Acid, Concentrated Room Temp.	2	1	2	X	X	X
Hydrochloric Acid, Concentrated to 158°F	4	1	4	X	4	4
Hydrocyanic Acid	2	1	1	X	2	2
Hydro-Drive MIH-10 (Petroleum Base)	1	1	4	X	2	1
Hydro-Drive MIH-50 (Petroleum Base)	1	1	4	X	2	1
Hydrofluoric Acid (Anhydrous)	X	X	X	X	X	X
Hydrofluoric Acid (conc.) Cold	X	X	X	X	X	X
Hydrofluoric Acid (conc.) Hot	4	3	4	X	X	X
Hydrofluorosilicic Acid	2	1	1	X	2	4

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Hydrogen Bromide (Anhydrous)	X	X	X	X	X	X
Hydrogen Chloride (Anhydrous)	X	X	X	X	X	X
Hydrogen Chloride gas	4	1	1	1	2	X
Hydrogen Cyanide	X	X	X	X	X	X
Hydrogen Fluoride	X	X	X	X	X	X
Hydrogen Fluoride (Anhydrous)	4	4	1	2	X	4
Hydrogen Gas, Cold	1	1	1	X	1	3
Hydrogen Gas, Hot	1	1	1	X	1	3
Hydrogen Iodide (Anhydrous)	X	X	X	X	X	X
Hydrogen Peroxide	2	1	1	X	1	1
Hydrogen Peroxide 90%	4	1	3	X	4	2
Hydrogen Selenide	X	X	X	X	X	X
Hydrogen Sulfide, Dry, Cold	1	4	1	X	1	3
Hydrogen Sulfide, Dry, Hot	4	4	1	X	2	3
Hydrogen Sulfide, Wet, Cold	4	4	1	X	1	3
Hydrogen Sulfide, Wet, Hot	4	4	1	X	2	3
Hydrolube-Water/Ethylene Glycol	1	1	1	X	2	2
Hydroxycitronellal	X	1	X	X	4	2
Hydroquinol	4	1	4	X	4	X
Hydroquinone	3	2	2	X	4	2
Hydroxyacetic Acid	3	3	1	X	1	1
Hydyne	2	4	1	X	2	4
Hyjet	4	4	1	2	4	X
Hyjet IV and IVA	4	4	1	X	4	4
Hyjet S4	4	4	1	2	4	X
Hyjet W	4	4	1	2	4	X
Hypochlorous Acid	4	1	2	X	4	X
Indole	X	1	X	X	4	2
Industron FF44	1	1	4	X	2	1
Industron FF48	1	1	4	X	2	1
Industron FF53	1	1	4	X	2	1
Industron FF80	1	1	4	X	2	1
Insulin	3	3	1	X	1	1
Iodic Acid	3	3	1	X	1	1
Iodine	2	1	2	X	4	1
Iodine Pentafluoride	4	4	4	X	4	4
Iodoform	X	1	4	X	4	2

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Isoamyl Acetate	3	3	1	X	1	1
Isoamyl Butyrate	3	3	1	X	1	1
Isoamyl Valerate	3	3	1	X	1	1
Isoboreol	X	1	X	X	4	2
Isobutane	1	1	4	X	2	1
Isobutyl Acetate	3	3	1	X	1	1
Isobutyl Alcohol	2	1	1	X	1	2
Isobutyl Chloride	4	1	4	4	4	X
Isobutyl Ether	2	4	4	4	3	X
Isobutyl Methyl Ketone	3	3	1	X	1	1
Isobutyl n-Butyrate	4	1	1	X	4	1
Isobutyl Phosphate	3	3	1	X	1	1
Isobutylene	X	1	X	X	4	2
Isobutyraldehyde	3	4	2	4	3	X
Isobutyric Acid	1	4	2	3	4	X
Isocrotyl Chloride	X	1	X	X	4	2
Isodecanol	1	1	4	X	2	1
Isododecane	1	1	4	X	2	1
Isoeugenol	1	1	4	X	2	1
Isooctane	1	1	4	X	2	1
Isopentane	1	1	4	X	2	1
Isophorone (Ketone)	4	4	2	X	4	4
Isopropanol	2	1	1	X	2	2
Isopropyl Acetate	4	4	2	X	4	2
Isopropyl Alcohol	2	1	1	X	2	2
Isopropyl Chloride	4	1	4	X	4	2
Isopropyl Ether	2	4	4	X	3	3
Isopropylacetone	3	3	1	X	1	1
Isopropylamine	3	3	1	X	1	1
Jet Fuel A	2	1	4	X	4	2
JP-10	3	1	4	X	4	1
JP-3 (MIL-J-5624)	1	1	4	2	4	X
JP-4 (MIL-T-5624)	1	1	4	X	4	2
JP-5 (MIL-T-5624)	1	1	4	X	4	2
JP-6 (MIL-J-25656)	1	1	4	X	4	2
JP-8 (MIL-T-83133)	1	1	4	X	3	2
JP-9 (MIL-F-81912)	3	1	4	X	4	2

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JP-9 -11	4	1	4	X	4	2
JPX (MIL-F-25604)	1	4	4	2	2	X
Kel F Liquids	1	2	1	X	X	2
Kerosene (Similar to RP-1 and JP-1)	1	1	4	X	2	1
Keystone #87HX-Grease	1	1	4	X	4	1
Lacquer Solvents	4	4	4	X	4	4
Lacquers	4	4	4	X	4	4
Lactams-Amino Acids	4	4	2	X	2	4
Lactic Acid, Cold	1	1	1	X	1	1
Lactic Acid, Hot	4	1	4	X	4	2
Lactones (Cyclic Esters)	4	4	2	X	4	4
Lard Animal Fat	1	1	2	X	2	1
Lauric Acid	1	1	4	X	2	1
Lavender Oil	2	1	4	1	4	X
LB 135	1	1	1	1	1	X
Lead (Molten)	X	X	X	X	X	X
Lead Acetate	2	4	1	X	2	4
Lead Arsenate	3	3	1	X	1	1
Lead Azide	X	X	X	X	X	X
Lead Bromide	3	3	1	X	1	1
Lead Carbonate	3	3	1	X	1	1
Lead Chloride	3	3	1	X	1	1
Lead Chromate	3	3	1	X	1	1
Lead Dioxide	3	3	1	X	1	1
Lead Linoleate	3	3	1	X	1	1
Lead Naphthenate	X	X	X	X	X	X
Lead Nitrate	1	X	1	X	1	1
Lead Oxide	3	3	1	X	1	1
Lead Sulfamate	2	1	1	X	1	1
Lehigh X1169	1	1	4	X	2	1
Lehigh X1170	1	1	4	X	2	1
Light Grease	1	1	4	1	4	X
Ligroin (Petroleum Ether or Benzene)	1	1	4	X	2	1
Lime Bleach	1	1	1	1	1	X
Lime Sulfur	X	1	X	X	4	2
Lindol, Hydraulic Fluid (Phosphate ester type)	4	2	1	X	4	3
Linoleic Acid	2	2	4	X	2	X

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Linseed Oil	1	1	3	X	3	1
Liquid Oxygen (LOX)	4	4	4	X	4	4
Liquid Petroleum Gas (LPG)	1	1	4	X	2	3
Liquimoly	1	1	4	X	2	1
Lithium Bromide (Brine)	3	3	1	X	1	1
Lithium Carbonate	3	3	1	X	1	1
Lithium Chloride	3	3	1	X	1	1
Lithium Citrate	3	3	1	X	1	1
Lithium Hydroxide	3	3	1	X	1	1
Lithium Hypochlorite	3	3	1	X	1	1
Lithium Nitrate	3	3	1	X	1	1
Lithium Nitrite	3	3	1	X	1	1
Lithium Perchlorate	3	3	1	X	1	1
Lithium Salicylate	3	3	1	X	1	1
Lithopone	3	3	1	X	1	1
Lubricating Oils (Crude & Refined)	2	1	4	1	3	X
Lubricating Oils (Synthetic base)	X	1	X	X	4	2
Lubricating Oils, Di-ester	2	1	4	X	3	2
Lubricating Oils, petroleum base	1	1	4	X	2	1
Lubricating Oils, SAE 10, 20, 30, 40, 50	1	1	4	X	2	1
Lye Solutions	2	2	1	X	2	2
Magnesium Chloride	1	1	1	X	1	1
Magnesium Hydroxide	2	1	1	X	2	X
Magnesium Salts	1	1	1	X	1	1
Magnesium Sulfite and Sulfate	1	1	1	X	1	1
Magnesium Trisilicate	X	X	X	X	X	X
Malathion	2	1	4	X	X	2
Maleic Acid	4	1	4	X	4	X
Maleic Anhydride	4	4	2	X	4	X
Maleic Hydrazide	3	3	1	X	1	1
Malic Acid	1	1	2	X	2	1
Mandelic Acid	3	3	1	X	1	1
Manganese Acetate	3	3	1	X	1	1
Manganese Carbonate	3	3	1	X	1	1
Manganese Chloride	3	3	1	X	1	1
Manganese Dioxide	3	3	1	X	1	1
Manganese Gluconate	3	3	1	X	1	1

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Manganese Hypophosphite	3	3	1	X	1	1
Manganese Linoleate	3	3	1	X	1	1
Manganese Naphthenate	X	X	X	X	X	X
Manganese Phosphate	3	3	1	X	1	1
Manganese Sulfate	3	3	1	X	1	1
Manganous Chloride	3	3	1	X	1	1
Manganous Phosphate	3	3	1	X	1	1
Manganous Sulfate	3	3	1	X	1	1
Mannitol	3	3	1	X	1	1
MCS 312	4	1	4	X	4	1
MCS 352	4	4	1	X	4	3
MCS 463	4	4	1	X	4	3
MDI (Methylene di-p-phenylene isocyanate)	3	3	1	X	1	1
Mercaptan	1	1	4	X	2	1
Mercaptobenzothiazole (MBT)	X	1	X	X	4	2
Mercuric Acetate	3	3	1	X	1	1
Mercuric Chloride	1	1	1	X	1	X
Mercuric Cyanide	3	3	1	X	1	1
Mercuric Iodide	3	3	1	X	1	1
Mercuric Nitrate	3	3	1	X	1	1
Mercuric Sulfate	3	3	1	X	1	1
Mercuric Sulfite	3	3	1	X	1	1
Mercurous Nitrate	3	3	1	X	1	1
Mercury	1	1	1	X	1	X
Mercury Chloride	3	3	1	X	1	1
Mercury Fulminate	3	3	1	X	1	1
Mercury Salts	3	3	1	X	1	1
Mercury Vapors	1	1	1	X	1	X
Mesityl Oxide (Ketone)	4	4	2	X	4	4
Meta-Cresol	X	1	X	X	4	2
Metaldehyde	3	3	1	X	1	1
Meta-Nitroaniline	3	3	1	X	1	1
Meta-Toluidine	X	1	X	X	4	2
Methacrylic Acid	3	3	1	X	1	1
Methallyl Chloride	X	1	X	X	4	2
Methane	1	1	4	X	2	3
Methanol	4	4	1	X	1	1

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Methoxychlor	X	X	X	X	X	X
Methoxyethanol (DGMMA)	3	3	1	X	1	1
Methyl Abietate	X	1	X	X	4	2
Methyl Acetate	4	4	2	X	2	4
Methyl Acetoacetate	4	4	2	X	4	4
Methyl Acetophenone *	X	1	X	X	4	2
Methyl Acrylate	4	4	2	X	2	4
Methyl Alcohol	4	4	1	X	1	1
Methyl Amylketone	3	3	1	X	1	1
Methyl Anthranilate	X	1	X	X	4	2
Methyl Benzoate	4	1	4	X	4	1
Methyl Bromide	2	1	4	X	4	1
Methyl Butyl Ketone	4	4	1	X	4	4
Methyl Butyrate Cellosolve	3	3	1	X	1	1
Methyl Butyrate Chloride	3	3	1	X	1	1
Methyl Carbonate	4	1	4	X	4	2
Methyl Cellosolve	3	4	2	X	3	4
Methyl Cellulose	2	4	2	X	2	4
Methyl Chloride	4	1	3	X	4	2
Methyl Chloroacetate	3	3	1	X	1	1
Methyl Chloroform	4	1	4	4	4	X
Methyl Chloroformate	4	1	4	X	4	2
Methyl Chlorosilanes	X	X	X	X	X	X
Methyl Cyanide (Acetonitrile)	3	3	1	X	1	1
Methyl Cyclohexanone	1	1	4	X	2	1
Methyl Dichloride	X	1	X	X	4	2
Methyl Ether	1	1	4	X	3	1
Methyl Ethyl Ketone (MEK)	4	4	1	X	4	4
Methyl Ethyl Ketone Peroxide	4	4	4	X	4	4
Methyl Ethyl Oleate	X	1	X	X	4	2
Methyl Formate	4	X	2	X	2	X
Methyl Hexyl Ketone (2-Octanone)	3	3	1	X	1	1
Methyl Iodide	1	1	4	X	2	1
Methyl Isobutyl Ketone (MIBK)	4	4	3	X	4	4
Methyl Isocyanate	3	3	1	X	1	1
Methyl Isopropyl Ketone	4	4	2	X	4	4
Methyl Isovalerate	X	1	X	X	4	2

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Methyl Lactate	3	3	1	X	1	1
Methyl Mercaptan	X	X	1	X	X	X
Methyl Methacrylate	4	4	4	X	4	4
Methyl Oleate	4	1	2	X	4	2
Methyl Pentadiene	X	1	X	X	4	2
Methyl Phenylacetate	X	1	X	X	4	2
Methyl Salicylate	4	X	2	X	4	X
Methyl Tertiary Butyl Ether (MTBE)	3	3	3	2	3	X
Methyl Valerate	X	1	X	X	4	2
Methyl-2-Pyrrolidone or n-Methyl-2-Pyrrolidone	X	X	2	X	X	X
Methylacrylic Acid	4	3	2	X	2	4
Methylal	X	X	X	X	X	X
Methylamine	3	3	1	X	1	1
Methylamyl Acetate	3	3	1	X	1	1
Methylcyclopentane	4	1	4	X	4	2
Methylene Bromide	X	1	X	X	4	2
Methylene Chloride	4	2	4	X	4	2
Methylene Iodide	X	1	X	X	4	2
Methylglycerol	3	3	1	X	1	1
Methylisobutyl Carbinol	1	1	4	X	2	1
Methylpyrrolidine	X	1	X	X	4	2
Methylpyrrolidone	X	1	X	X	4	2
Methylsulfuric Acid	3	3	1	X	1	1
MIL-A-6091	2	1	1	X	1	1
MIL-C-4339	1	1	4	X	4	1
MIL-C-7024	1	1	4	X	2	1
MIL-C-8188	2	2	4	X	4	2
MIL-E-9500	1	1	1	X	1	1
MIL-F-16884	1	1	4	X	3	1
MIL-F-17111	1	1	4	X	2	2
MIL-F-25558 (RJ-1)	1	1	4	X	2	1
MIL-F-25656	1	1	4	X	4	2
MIL-F-5566	2	1	1	X	2	1
MIL-F-81912 (JP-9)	3	1	4	X	4	2
MIL-F-82522 (RJ-4)	2	1	4	X	4	1
MIL-G-10924	1	1	4	X	2	1
MIL-G-15793	1	1	4	X	2	2

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MIL-G-21568	1	1	1	X	1	1
MIL-G-25013	1	1	1	X	2	1
MIL-G-25537	1	1	4	X	2	1
MIL-G-25760	2	1	4	X	2	2
MIL-G-3278	2	1	4	X	4	2
MIL-G-3545	1	1	4	X	2	1
MIL-G-4343	2	1	3	X	2	1
MIL-G-5572	1	1	4	X	4	1
MIL-G-7118	2	1	4	X	2	1
MIL-G-7187	1	1	4	X	4	1
MIL-G-7421	2	1	4	X	2	2
MIL-G-7711	1	1	4	X	4	1
MIL-H-13910	1	1	1	X	1	2
MIL-H-19457	4	1	2	X	4	4
MIL-H-22251	2	X	1	X	2	X
MIL-H-27601	1	1	4	X	2	2
MIL-H-46170 -15Â°F to +400Â°F	1	1	4	X	2	1
MIL-H-46170 -20Â°F to +275Â°F	1	1	4	X	2	1
MIL-H-46170 -55Â°F to +275Â°F	1	1	4	X	2	1
MIL-H-46170 -65Â°F to +275Â°F	1	1	4	X	2	1
MIL-H-5606 -65Â°F to +235Â°F	1	1	4	X	2	1
MIL-H-5606 -65Â°F to +275Â°F	1	1	4	X	2	1
MIL-H-6083	1	1	4	X	1	1
MIL-H-7083	1	2	1	X	2	1
MIL-H-8446 (MLO-8515)	2	1	4	X	1	1
MIL-J-5161	2	1	4	X	4	1
Milk	1	1	1	X	1	1
MIL-L-15016	1	1	4	X	2	2
MIL-L-15017	1	1	4	X	2	2
MIL-L-17331	1	1	4	X	X	X
MIL-L-2104	1	1	4	X	2	1
MIL-L-21260	1	1	4	X	2	1
MIL-L-23699	2	1	4	X	3	2
MIL-L-25681	2	1	1	X	2	2
MIL-L-3150	1	1	4	X	2	1
MIL-L-6081	1	1	4	X	2	1
MIL-L-6082	1	1	4	X	2	1

Manufacturer of pressure, temperature, flow switches & sensors for aerospace, defense & industrial uses

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O-Ring Compound Compatibility Rating

	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
1 - Satisfactory 2 - Fair (usually OK for static seal) 3 - Doubtful (sometimes OK for static seal) 4 - Unsatisfactory X - Not Tested						
MIL-L-6085	2	1	4	X	4	2
MIL-L-6387	2	1	4	X	4	2
MIL-L-7808	2	1	4	X	4	2
MIL-L-7870	1	1	4	X	2	1
MIL-L-9000	1	1	4	X	2	2
MIL-L-9236	2	1	4	X	4	2
MIL-O-3503	1	1	4	X	2	1
MIL-P-27402	2	X	1	X	2	X
MIL-R-25576 (RP-1)	1	1	4	X	2	1
MIL-S-3136, Type I Fuel	1	1	4	X	2	1
MIL-S-3136, Type II Fuel	2	1	4	X	4	2
MIL-S-3136, Type III Fuel	2	1	4	X	4	2
MIL-S-3136, Type IV Oil High Swell	1	1	4	X	4	1
MIL-S-3136, Type IV Oil Low Swell	1	1	4	X	1	1
MIL-S-3136, Type V Oil Medium Swell	1	1	4	X	2	1
MIL-S-81087	1	1	1	X	1	2
MIL-T-5624, JP-4, JP-5	1	1	4	X	4	2
MIL-T-83133	1	1	4	X	3	2
Mineral Oils	1	1	3	X	2	1
Mixed Acids	3	3	1	X	1	1
MLO-7277 Hydr.	3	1	4	X	4	3
MLO-7557	3	1	4	X	4	3
MLO-8200 Hydr.	2	1	4	X	1	2
MLO-8515	2	1	4	X	1	1
Mobil 24dte	1	1	4	1	2	X
Mobil 254 Lubricant	X	X	X	X	X	X
Mobil Delvac 1100, 1110, 1120, 1130	1	1	4	1	2	X
Mobil HF	1	1	4	X	2	X
Mobil Nivac 20, 30	1	1	1	1	1	X
Mobil SHC 500 Series	3	1	4	X	2	2
Mobil SHC 600 Series	3	1	4	X	2	2
Mobil Therm 600	1	1	4	1	2	X
Mobil Velocite c	1	1	4	1	2	X
Mobilgas WA200 ATF	1	1	4	1	2	X
Mobilgear 600 Series	3	1	3	X	1	1
Mobilgear SHC ISO Series	3	1	3	X	2	1
Mobilgrease HP	2	1	4	X	2	1

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O-Ring Compound Compatibility Rating

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Mobilgrease HTS	2	1	4	X	2	1
Mobilgrease SM	2	1	4	X	2	1
Mobilith AW Series	2	1	4	X	2	1
Mobilith SHC Series	2	1	4	X	3	1
Mobiljet II Lubricant	X	X	X	X	X	X
Mobilmistlube Series	3	1	3	X	1	1
Mobiloil SAE 20	1	1	4	1	2	X
Mobilux	1	1	4	1	2	X
Molybdenum Disulfide Grease	1	1	4	1	4	X
Molybdenum Oxide	3	3	1	X	1	1
Molybdenum Trioxide	3	3	1	X	1	1
Molybdic Acid	3	3	1	X	1	1
Monobromobenzene	4	1	4	X	4	2
Monobromotoluene	X	1	X	X	4	2
Monobutyl Paracresol	X	X	X	X	X	X
Monochloroacetic Acid	3	3	1	X	1	1
Monochlorobenzene	4	1	4	X	4	2
Monochlorobutene	X	1	X	X	4	2
Monochlorohydrin	X	X	X	X	X	X
Monoethanolamine (MEA)	4	4	2	X	4	4
Monoethyl Amine	3	3	1	X	1	1
Monoisopropylamine	3	3	1	X	1	1
Monomethyl Aniline	4	2	1	X	1	1
Monomethyl Ether (Dimethyl Ether)	X	X	X	X	X	X
Monomethyl Ether (Methyl Ether)	1	1	4	X	X	X
Monomethyl Hydrazine	2	X	1	X	2	X
Monomethylamine (MMA)	3	3	1	X	1	1
Monomethylaniline	4	2	2	X	4	X
Mononitrotoluene	3	3	1	X	1	1
Mononitrotoluene & Dinitrotoluene	4	3	1	X	4	3
Monovinyl Acetylene	1	1	1	X	2	X
Mopar Brake Fluid	3	4	1	X	2	4
Morpholine	X	1	X	X	4	2
Motor Oils	1	1	4	X	2	1
Mustard Gas	X	X	X	X	X	X
Myristic Acid	X	1	X	X	4	2
Naphthalene	4	1	4	X	4	1

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4 - Unsatisfactory						
X - Not Tested						
Naphthalene Chloride	X	1	X	X	4	2
Naphthalene Sulfonic Acid	X	1	X	X	4	2
Naphthalenic Acid	X	1	X	X	4	2
Naphthalonic Acid	X	1	X	X	4	2
Naphthenic Acid	2	1	4	X	4	1
Naphthylamine	X	X	X	X	X	X
Naptha	2	1	4	X	4	2
Natural Gas	1	1	4	X	1	3
Neatsfoot Oil	1	1	2	X	4	1
Neon	1	1	1	X	1	1
Neville Acid	4	1	2	X	4	2
Nickel Acetate	2	4	1	X	2	4
Nickel Ammonium Sulfate	3	3	1	X	1	1
Nickel Chloride	1	1	1	X	2	1
Nickel Cyanide	3	3	1	X	1	1
Nickel Nitrate	3	3	1	X	1	1
Nickel Salts	1	1	1	X	2	1
Nickel Sulfate	1	1	1	X	1	1
Nicotinamide (Niacinamide)	X	1	X	X	4	2
Nicotinamide Hydrochloride	3	3	1	X	1	1
Nicotine	X	1	X	X	4	2
Nicotine Sulfate	3	3	1	X	1	1
Niter Cake	1	1	1	X	1	1
Nitric Acid, Red Fuming	4	2	4	3	4	X
Nitric Acid, White Fuming	X	X	X	X	X	X
Nitric Acid (0 - 50%)	4	1	2	X	X	X
Nitric Acid (50 - 100%)	4	3	4	X	X	X
Nitric Acid 3 Molar to 158°F	4	3	2	X	4	4
Nitric Acid Concentrated Room Temp.	X	2	4	X	X	X
Nitric Acid Concentrated to 158°F	4	4	4	X	4	4
Nitroaniline	3	3	1	X	1	1
Nitrobenzene	4	2	1	X	4	4
Nitrobenzoic Acid	3	3	1	X	1	1
Nitrocellulose	3	3	1	X	1	1
Nitrochlorobenzene	3	3	1	X	1	1
Nitrochloroform	3	3	1	X	1	1
Nitrodiethylaniline	3	3	1	X	1	1

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Nitrodiphenyl Ether	X	X	X	X	X	X
Nitroethane	4	4	2	X	2	4
Nitrofluorobenzene	3	3	1	X	1	1
Nitrogen	1	1	1	X	1	1
Nitrogen Oxides	3	3	1	X	1	1
Nitrogen Tetroxide (N	4	4	4	X	4	4
Nitrogen Trifluoride	X	X	X	X	X	X
Nitroglycerine	3	3	1	X	1	1
Nitroglycerol	3	3	1	X	1	1
Nitroisopropylbenzene	3	3	1	X	1	1
Nitromethane	4	4	2	X	3	4
Nitrophenol	3	3	1	X	1	1
Nitropropane	4	4	2	X	4	4
Nitrosyl Chloride	X	X	X	X	X	X
Nitrosylsulfuric Acid	X	X	X	X	X	X
Nitrothiophene	3	3	1	X	1	1
Nitrotoluene	3	3	1	X	1	1
Nitrous Acid	3	3	1	X	1	1
Nitrous Oxide	1	1	1	X	X	X
Nonane	1	1	4	X	2	1
Noryl GE Phenolic	1	X	1	X	X	X
Nyvac FR200 Mobil	1	1	1	X	2	X
Octachloro Toluene	4	1	4	X	4	2
Octadecane	1	1	4	X	2	1
Octanal (n-Octanaldehyde)	1	1	4	X	2	1
Octane or n-Octane	1	1	4	X	4	2
Octyl Acetate	3	3	1	X	1	1
Octyl Alcohol	2	1	3	X	2	2
Octyl Chloride	1	1	4	X	2	1
Octyl Phthalate	X	1	X	X	4	2
Olefins	X	1	X	X	4	2
Oleic Acid	3	2	4	X	4	X
Oleum (Fuming Sulfuric Acid)	4	1	4	X	4	X
Oleum Spirits	2	1	4	X	3	2
Oleyl Alcohol	X	1	X	X	4	2
Olive Oil	1	1	2	X	2	1
Oronite 8200	2	1	4	X	1	1

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Oronite 8515	2	1	4	X	1	1
Ortho-Chloro Ethyl Benzene	4	1	4	X	4	2
Ortho-Chloroaniline	3	3	1	X	1	1
Ortho-Chlorophenol	3	3	1	X	1	1
Ortho-Cresol	3	3	1	X	1	1
Ortho-Dichlorobenzene	4	1	4	X	4	2
Ortho-Nitrotoluene	3	3	1	X	1	1
Orthophos Acid	X	X	X	X	X	X
OS 45 Type III (OS45)	2	1	4	X	1	2
OS 45 Type IV (OS45-1)	2	1	4	X	1	2
OS 70	2	1	4	X	1	2
Oxalic Acid	2	1	1	X	2	1
Oxygen, 200Å°-300Å°F (Evalute for specific applications)	4	2	4			
Oxygen, 300Å°-400Å°F (Evalute for specific applications)	4	2	4	X	4	4
Oxygen, Cold	2	1	1	X	1	1
Oxygen, Liquid	4	4	4	4	4	X
Ozonated Deionized Water	3	3	1	X	1	1
Ozone	4	1	1	X	2	1
Paint Thinner, Duco	4	2	4	X	4	2
Palmitic Acid	1	1	2	X	2	1
Para-Aminobenzoic Acid	3	3	1	X	1	1
Para-Aminosalicylic Acid	3	3	1	X	1	1
Para-Bromobenzylphenyl Ether	X	X	X	X	X	X
Para-Chlorophenol	3	3	1	X	1	1
Paracymene	X	1	X	X	4	2
Para-Dichlorobenzene	4	1	4	X	4	2
Paraffins	1	1	4	X	2	1
Para-Formaldehyde	3	3	1	X	1	1
Paraldehyde	3	3	1	X	1	1
Par-al-Ketone	4	4	4	X	4	4
Para-Nitroaniline	3	3	1	X	1	1
Para-Nitrobenzoic Acid	3	3	1	X	1	1
Para-Nitrophenol	3	3	1	X	1	1
Parathion	X	1	X	X	4	2
Para-Toluene Sulfonic Acid	3	3	1	X	1	1

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	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
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Parker O Lube	1	1	4	X	1	1
Peanut Oil	1	1	3	X	3	1
Pectin (Liquor)	X	1	X	X	4	2
Pelagonic Acid	X	X	X	X	X	X
Penicillin (Liquid)	X	1	X	X	4	2
Pentachloroethane	X	1	X	X	4	2
Pentachlorophenol	3	3	1	X	1	1
Pentaerythritol	3	3	1	X	1	1
Pentaerythritol Tetranitrate	3	3	1	X	1	1
Pentafluoroethane (F-125)	X	X	X	X	X	X
Pentane or n-Pentane	1	1	4	X	1	3
Pentane, 2 Methyl	1	1	4	X	2	3
Pentane, 2-4 dimethyl	1	1	4	X	2	3
Pentane, 3-Methyl	1	1	4	X	2	3
Pentoxone	X	X	X	X	X	X
Pentyl Pentanoate	1	1	4	X	2	1
Peracetic Acid	3	3	1	X	1	1
Perchloric Acid - 2N	4	1	1	X	2	1
Perchloroethylene	2	1	4	X	4	2
Perfluoropropane	X	X	X	X	X	X
Perfluorotriethylamine	X	X	X	X	X	X
Permanganic Acid	X	X	X	X	X	X
Persulfuric Acid (Caro's Acid)	X	X	X	X	X	X
Petrolatum	1	1	4	X	2	1
Petrolatum Ether	1	1	4	X	2	1
Petroleum Oil, Above 250°F	4	2	4	X	4	4
Petroleum Oil, Below 250°F	1	1	4	X	2	2
Petroleum Oil, Crude	1	1	4	X	2	1
Phenol	4	1	4	X	4	2
Phenol, 70% / 30% H ₂ O	4	1	4	X	4	2
Phenol, 85% / 15% H	4	1	4	X	4	2
Phenolic Sulfonate	3	3	1	X	1	1
Phenolsulfonic Acid	3	3	1	X	1	1
Phenylacetamide	X	1	X	X	4	2
Phenylacetate	3	3	1	X	1	1
Phenylacetic Acid	3	3	1	X	1	1
Phenylbenzene	4	1	4	X	4	2

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Phenylene Diamine	X	X	X	X	X	X
Phenylethyl Alcohol	X	1	X	X	4	2
Phenylethyl Ether	4	4	4	X	4	4
Phenylethyl Malonic Ester *	X	1	X	X	4	2
Phenylglycerine	3	3	1	X	1	1
Phenylhydrazine	4	1	2	X	4	X
Phenylhydrazine Hydrochloride	3	3	1	X	1	1
Phenylmercuric Acetate	3	3	1	X	1	1
Phorone	4	4	3	X	4	4
Phosgene	X	X	X	X	X	X
Phosphine	X	X	X	X	X	X
Phosphoric Acid 3 Molar to 158°F	1	1	1	X	2	2
Phosphoric Acid Concentrated Room Temp	2	1	1	X	2	3
Phosphoric Acid Concentrated to 158°F	4	1	1	X	3	3
Phosphoric Acid, 20%	X	X	X	X	X	X
Phosphoric Acid, 45%	X	X	X	X	X	X
Phosphorus (Molten)	X	X	X	X	X	X
Phosphorus Oxychloride	X	X	X	X	X	X
Phosphorus Trichloride	4	1	1	X	4	1
Phosphorus Trichloride Acid	4	1	1	1	4	X
Phthalic Acid	3	3	1	X	1	1
Phthalic Anhydride	3	3	1	X	1	1
Pickling Solution	4	2	3	X	4	4
Picric Acid (aq)	1	1	1	X	1	2
Picric Acid Molten	2	1	2	X	2	2
Pine Oil	1	1	4	X	4	1
Pine Tar	1	1	4	X	2	1
Pinene	2	1	4	X	3	1
Piperazine	X	1	X	X	4	2
Piperidine	4	1	4	X	4	2
Piranha (H)	X	X	X	X	X	X
Plating Solution (Co,Cu,Au,In,Fe,Pb,Ni,Ag,Sn,Zn)	1	1	1	1	X	X
Plating Solutions Chrome	4	1	2	X	4	2
Plating Solutions Others	1	1	1	X	4	X
Pneumatic Service	1	1	1	X	1	4
Polyethylene Glycol	2	3	1	1	2	X
Polyglycerol	3	3	1	X	1	1

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Polyglycol	3	3	1	X	1	1
Polyvinyl Acetate Emulsion	X	X	1	X	2	X
Potassium (Molten)	X	X	X	X	X	X
Potassium Acetate	2	4	1	X	2	4
Potassium Acid Sulfate	3	3	1	X	1	1
Potassium Alum	3	3	1	X	1	1
Potassium Aluminum Sulfate	3	3	1	X	1	1
Potassium Antimonate	3	3	1	X	1	1
Potassium Bicarbonate	3	3	1	X	1	1
Potassium Bichromate	3	3	1	X	1	1
Potassium Bifluoride	3	3	1	X	1	1
Potassium Bisulfate	3	3	1	X	1	1
Potassium Bisulfite	3	3	1	X	1	1
Potassium Bitartrate	3	3	1	X	1	1
Potassium Bromide	3	3	1	X	1	1
Potassium Carbonate	3	3	1	X	1	1
Potassium Chlorate	3	3	1	X	1	1
Potassium Chloride	1	1	1	X	1	1
Potassium Chromates	3	3	1	X	1	1
Potassium Citrate	3	3	1	X	1	1
Potassium Cupro Cyanide	1	1	1	X	1	1
Potassium Cyanate	3	3	1	X	1	1
Potassium Cyanide	1	1	1	X	1	1
Potassium Dichromate	1	1	1	X	1	1
Potassium Diphosphate	3	3	1	X	1	1
Potassium Ferricyanide	3	3	1	X	1	1
Potassium Fluoride	3	3	1	X	1	1
Potassium Glucocyanate	3	3	1	X	1	1
Potassium Hydroxide 50%	2	4	1	X	2	3
Potassium Hypochlorite	3	3	1	X	1	1
Potassium Iodate	3	3	1	X	1	1
Potassium Iodide	3	3	1	X	1	1
Potassium Metabisulfate	3	3	1	X	1	1
Potassium Metachromate	3	3	1	X	1	1
Potassium Metasilicate	X	X	X	X	X	X
Potassium Monochromate	3	3	1	X	1	1
Potassium Nitrate	1	1	1	X	1	1

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Potassium Nitrite	3	3	1	X	1	1
Potassium Oxalate	3	3	1	X	1	1
Potassium Perchlorate	3	3	1	X	1	1
Potassium Perfluoro Acetate	X	X	X	X	X	X
Potassium Permanganate	3	3	1	X	1	1
Potassium Peroxide	X	X	X	X	X	X
Potassium Persulfate	3	3	1	X	1	1
Potassium Phosphate (Acid)	3	3	1	X	1	1
Potassium Phosphate (Alkaline)	3	3	1	X	1	1
Potassium Phosphate (Di/Tri Basic)	3	3	1	X	1	1
Potassium Pyrosulfate	3	3	1	X	1	1
Potassium Salts	1	1	1	X	1	1
Potassium Silicate	X	X	X	X	X	X
Potassium Sodium Tartrate	3	3	1	X	1	1
Potassium Stannate	3	3	1	X	1	1
Potassium Stearate	3	3	1	X	1	1
Potassium Sulfate	1	1	1	X	1	1
Potassium Sulfide	3	3	1	X	1	1
Potassium Sulfite	1	1	1	X	1	1
Potassium Tartrate	3	3	1	X	1	1
Potassium Thiocyanate	3	3	1	X	1	1
Potassium Thiosulfate	3	3	1	X	1	1
Potassium Triphosphate	3	3	1	X	1	1
Prestone Antifreeze	1	1	1	X	1	1
PRL-High Temp. Hydr. Oil	2	1	4	X	2	1
Producer Gas	1	1	4	X	2	2
Propane	1	1	4	X	2	2
Propionaldehyde	3	3	1	X	1	1
Propionic Acid	3	3	1	X	1	1
Propionitrile	1	1	4	1	2	X
Propyl Acetate	4	4	2	X	4	4
Propyl Acetone or n-Propyl Acetone	4	4	1	X	4	4
Propyl Alcohol	1	1	1	X	1	1
Propyl Nitrate	4	4	2	X	4	4
Propyl Propionate	3	3	1	X	1	1
Propylamine	3	3	1	X	1	1
Propylbenzene	X	1	X	X	4	2

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Propylene	3	1	4	X	4	3
Propylene Chloride	X	1	X	X	4	2
Propylene Chlorohydrin	X	1	X	X	4	2
Propylene Dichloride	X	1	X	X	4	2
Propylene Glycol	3	3	1	X	1	1
Propylene Imine	X	1	X	X	4	2
Propylene Oxide	4	4	2	X	4	4
Pydraul 90e	4	1	1	1	4	X
Pydraul, 10E	4	4	1	X	4	4
Pydraul, 115E	4	1	1	X	4	3
Pydraul, 230C, 312C, 540C, A200	4	1	4	X	4	4
Pydraul, 29ELT 30E, 50E, 65E	4	1	1	X	4	1
Pyranol Transformer Oil	1	1	4	X	2	1
Pyridine	4	1	2	X	4	2
Pyridine Oil	4	4	2	X	4	4
Pyridine Sulfate	3	3	1	X	1	1
Pyridine Sulfonic Acid	3	3	1	X	1	1
Pyrogallol (Pyrogallic Acid)	2	1	4	X	4	2
Pyrogard 42, 43, 55	4	1	1	2	4	X
Pyrogard 53, Mobil Phosphate Ester	4	1	1	X	4	4
Pyrogard D, Mobil Water-in-Oil Emulsion	1	4	4	X	2	2
Pyroligneous Acid	4	4	2	X	2	4
Pyrolube	4	1	2	X	4	2
Pyrosulfuric Acid	3	3	1	X	1	1
Pyrosulfuryl Chloride	2	1	4	X	4	2
Pyrrrole	4	4	4	X	4	4
Pyruvic Acid	3	3	1	X	1	1
Quinidine	2	1	4	X	4	2
Quinine	2	1	4	X	4	2
Quinine Bisulfate	3	3	1	X	1	1
Quinine Hydrochloride	3	3	1	X	1	1
Quinine Sulfate	3	3	1	X	1	1
Quinine Tartrate	3	3	1	X	1	1
Quinizarin	2	1	4	X	4	2
Quinoline	2	1	4	X	4	2
Quinone	2	1	4	X	4	2
Radiation (Gamma, 1.0 E+07 Rads)	3	4	2	X	X	4

Manufacturer of pressure, temperature, flow switches & sensors for aerospace, defense & industrial uses

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O-Ring Compound Compatibility Rating

	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
1 - Satisfactory 2 - Fair (usually OK for static seal) 3 - Doubtful (sometimes OK for static seal) 4 - Unsatisfactory X - Not Tested						
Raffinate	2	1	4	X	4	2
Rapeseed Oil	2	1	1	X	2	1
Red Line 100 Oil	1	1	4	X	2	1
Red Oil (MIL-H-5606)	1	1	4	X	2	1
Resorcinol	3	3	1	X	1	1
Rhodium	X	X	X	X	X	X
Riboflavin	2	1	4	X	4	2
Ricinoleic Acid	2	1	4	X	4	2
RJ-1 (MIL-F-25558)	1	1	4	X	2	1
RJ-4 (MIL-F-82522)	2	1	4	X	4	1
Rosin	2	1	4	X	4	2
RP-1 (MIL-R-25576)	1	1	4	X	2	1
Saccharin Solution	3	3	1	X	1	1
Sal Ammoniac	1	1	1	X	1	1
Salicylic Acid	2	1	1	X	X	1
Santo Safe 300	4	1	3	X	4	1
Sea (Salt) Water	1	1	1	X	2	1
Sebacic Acid	3	3	1	X	1	1
Selenic Acid	3	3	1	X	1	1
Selenous Acid	3	3	1	X	1	1
Sewage	1	1	1	X	2	1
SF 1154 GE Silicone Fluid	2	1	1	X	1	1
SF1147 GE Silicone Fluid	2	1	3	X	X	X
SF96 GE Silicone Fluid	2	1	1	X	1	1
Shell 3XF Mine Fluid (Fire resist hydr.)	1	1	4	X	2	1
Shell Alvania Grease #2	1	1	4	X	2	1
Shell Carnea 19 and 29	1	1	4	X	4	1
Shell Diala	1	1	4	X	2	1
Shell Irus 905	1	1	4	X	2	1
Shell Lo Hydrax 27 and 29	1	1	4	X	2	1
Shell Macome 72	1	1	4	X	2	1
Shell Tellus #32 Pet. Base	1	1	4	X	2	1
Shell Tellus #68	1	1	4	X	2	1
Shell Tellus 27 (Petroleum Base)	1	1	4	1	2	X
Shell Tellus 33	1	1	4	1	2	X
Shell UMF (5% Aromatic)	1	1	4	X	2	1
Shellac	3	3	1	X	1	1

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Silane	X	X	X	X	X	X
Silicate Esters	2	1	4	X	1	1
Silicon Fluoride	X	X	X	X	X	X
Silicon Tetrachloride	X	X	X	X	X	X
Silicon Tetrafluoride	X	X	X	X	X	X
Silicone Greases	1	1	1	X	1	2
Silicone Oils	1	1	1	X	1	3
Silver Bromide	3	3	1	X	1	1
Silver Chloride	3	3	1	X	1	1
Silver Cyanide	3	3	1	X	1	1
Silver Nitrate	2	1	1	X	1	1
Silver Sulfate	3	3	1	X	1	1
Sinclair Opaline CX-EP Lube	1	1	4	X	2	1
Skelly, Solvent B, C, E	1	1	4	X	4	1
Skydrol 500 B4	4	4	1	X	4	3
Skydrol 7000	4	2	1	1	4	X
Skydrol LD-4	4	4	1	X	4	3
Soap Solutions	1	1	1	X	2	1
Socony Mobile Type A	1	1	4	X	2	2
Socony Vacuum AMV AC781 (Grease)	1	1	4	X	2	2
Socony Vacuum PD959B	1	1	4	X	2	1
Soda Ash	1	1	1	X	1	1
Sodium (Molten)	X	X	X	X	X	X
Sodium Acetate	2	4	1	X	2	4
Sodium Acid Bisulfate	3	3	1	X	1	1
Sodium Acid Fluoride	3	3	1	X	1	1
Sodium Acid Sulfate	3	3	1	X	1	1
Sodium Aluminate	3	3	1	X	1	1
Sodium Aluminate Sulfate	3	3	1	X	1	1
Sodium Anthraquinone Disulfate	3	3	1	X	1	1
Sodium Antimonate	3	3	1	X	1	1
Sodium Arsenate	3	3	1	X	1	1
Sodium Arsenite	3	3	1	X	1	1
Sodium Benzoate	3	3	1	X	1	1
Sodium Bicarbonate (Baking Soda)	1	1	1	X	1	1
Sodium Bichromate	3	3	1	X	1	1
Sodium Bifluoride	3	3	1	X	1	1

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Sodium Bisulfate or Bisulfite	1	1	1	X	1	1
Sodium Bisulfide	3	3	1	X	1	1
Sodium Bitartrate	3	3	1	X	1	1
Sodium Borate	1	1	1	X	1	1
Sodium Bromate	3	3	1	X	1	1
Sodium Bromide	3	3	1	X	1	1
Sodium Carbonate (Soda Ash)	1	1	1	X	1	1
Sodium Chlorate	3	3	1	X	1	1
Sodium Chloride	1	1	1	X	1	X
Sodium Chlorite	3	3	1	X	1	1
Sodium Chloroacetate	3	3	1	X	1	1
Sodium Chromate	3	3	1	X	1	1
Sodium Citrate	3	3	1	X	1	1
Sodium Cyanamide	3	3	1	X	1	1
Sodium Cyanate	3	3	1	X	1	1
Sodium Cyanide	1	X	1	X	1	X
Sodium Diacetate	3	3	1	X	1	1
Sodium Diphenyl Sulfonate	3	3	1	X	1	1
Sodium Diphosphate	3	3	1	X	1	1
Sodium Disilicate	3	3	1	X	1	1
Sodium Ethylate	3	3	1	X	1	1
Sodium Ferricyanide	3	3	1	X	1	1
Sodium Ferrocyanide	3	3	1	X	1	1
Sodium Fluoride	3	3	1	X	1	1
Sodium Fluorosilicate	3	3	1	X	1	1
Sodium Glutamate	3	3	1	X	1	1
Sodium Hydride	X	X	X	X	X	X
Sodium Hydrogen Sulfate	3	3	1	X	1	1
Sodium Hydrosulfide	3	3	1	X	1	1
Sodium Hydrosulfite	3	3	1	X	1	1
Sodium Hydroxide, 3 Molar	2	2	1	X	2	2
Sodium Hypochlorite	2	1	1	X	2	2
Sodium Hypophosphate	3	3	1	X	1	1
Sodium Hypophosphite	3	3	1	X	1	1
Sodium Hyposulfite	3	3	1	X	1	1
Sodium Iodide	3	3	1	X	1	1
Sodium Lactate	3	3	1	X	1	1

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Sodium Metaphosphate	1	1	1	X	2	1
Sodium Metasilicate	3	3	1	X	1	1
Sodium Methylate	3	3	1	X	1	1
Sodium Monophosphate	3	3	1	X	1	1
Sodium Nitrate	2	X	1	X	2	X
Sodium Oleate	3	3	1	X	1	1
Sodium Orthosilicate	3	3	1	X	1	1
Sodium Oxalate	3	3	1	X	1	1
Sodium Perborate	2	1	1	X	2	1
Sodium Percarbonate	3	3	1	X	1	1
Sodium Perchlorate	3	3	1	X	1	1
Sodium Peroxide	2	1	1	X	2	1
Sodium Persulfate	3	3	1	X	1	1
Sodium Phenolate	3	3	1	X	1	1
Sodium Phenoxide	3	3	1	X	1	1
Sodium Phosphate (Dibasic)	1	1	1	X	2	X
Sodium Phosphate (Mono)	1	1	1	X	2	X
Sodium Phosphate (Tribasic)	1	1	1	X	2	X
Sodium Plumbite	3	3	1	X	1	1
Sodium Pyrophosphate	3	3	1	X	1	1
Sodium Resinate	3	3	1	X	1	1
Sodium Salicylate	3	3	1	X	1	1
Sodium Salts	1	1	1	X	2	1
Sodium Sesquisilicate	X	X	X	X	X	X
Sodium Silicate	1	1	1	X	1	X
Sodium Silicofluoride	X	X	X	X	X	X
Sodium Stannate	3	3	1	X	1	1
Sodium Sulfate	1	1	1	X	1	1
Sodium Sulfide and Sulfite	1	1	1	X	1	1
Sodium Sulfo cyanide	3	3	1	X	1	1
Sodium Tartrate	3	3	1	X	1	1
Sodium Tetraborate	3	3	1	X	1	1
Sodium Tetrphosphate	3	3	1	X	1	1
Sodium Tetrasulfide	3	3	1	X	1	1
Sodium Thioarsenate	3	3	1	X	1	1
Sodium Thiocyanate	3	3	1	X	1	1
Sodium Thiosulfate	2	1	1	X	1	1

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Sodium Trichloroacetate	3	3	1	X	1	1
Sodium Triphosphate	3	3	1	X	1	1
Solvesso 100, 150	X	X	X	X	X	X
Sorbitol	3	3	1	X	1	1
Sour Crude Oil	3	1	4	X	4	4
Sour Natural Gas	3	1	4	X	4	4
Sovasol No. 1, 2, and 3	1	1	4	X	2	1
Sovasol No. 73 and 74	2	1	4	X	2	1
Soybean Oil	1	1	3	X	3	1
Spry	1	1	2	X	2	1
SR-10 Fuel	1	1	4	X	4	1
SR-6 Fuel	2	1	4	X	4	1
Standard Oil Mobilube GX90-EP Lube	1	1	4	X	2	1
Stannic Ammonium Chloride	3	3	1	X	1	1
Stannic Chloride	1	1	1	X	4	1
Stannic Chloride, 50%	1	1	1	X	4	1
Stannic Tetrachloride	3	3	1	X	1	1
Stannous Bisulfate	3	3	1	X	1	1
Stannous Bromide	3	3	1	X	1	1
Stannous Chloride (15%)	1	1	1	X	1	1
Stannous Fluoride	3	3	1	X	1	1
Stannous Sulfate	3	3	1	X	1	1
Stauffer 7700	2	1	4	X	4	2
Steam Below 400°F	4	4	1	X	4	4
Steam, 400°F - 500°F	4	4	3	X	4	4
Steam, Above 500°F	X	X	X	X	X	X
Stearic Acid	2	X	2	X	2	X
Stoddard Solvent	1	1	4	X	2	1
Strontium Acetate	3	3	1	X	1	1
Strontium Carbonate	3	3	1	X	1	1
Strontium Chloride	3	3	1	X	1	1
Strontium Hydroxide	3	3	1	X	1	1
Strontium Nitrate	3	3	1	X	1	1
Styrene (Monomer)	4	2	4	X	4	3
Succinic Acid	3	3	1	X	1	1
Sucrose Solutions	1	1	1	X	2	1
Sulfamic Acid	3	3	1	X	1	1

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Sulfanilic Acid	3	3	1	X	1	1
Sulfanilic Chloride	2	1	4	X	4	2
Sulfanilimide	2	1	4	X	4	2
Sulfite Liquors	3	3	1	X	1	1
Sulfolane	2	2	1	1	2	X
Sulfonated Oils	2	1	4	X	4	2
Sulfonic Acid	3	3	1	X	1	1
Sulfonyl Chloride	3	3	1	X	1	1
Sulfur	4	1	1	X	1	1
Sulfur (Molten)	4	1	3	X	3	3
Sulfur Chloride	4	1	4	X	4	1
Sulfur Dioxide, Dry	4	4	1	X	4	2
Sulfur Dioxide, Liquidified under pressure	4	4	1	X	4	2
Sulfur Dioxide, Wet	4	4	1	X	2	2
Sulfur Hexafluoride	2	3	1	3	1	X
Sulfur Liquors	2	1	2	X	2	2
Sulfur Monochloride	1	1	4	X	2	1
Sulfur Tetrafluoride	X	X	X	X	X	X
Sulfur Trioxide Dry	4	1	2	X	4	2
Sulfuric Acid (20% Oleum)	3	3	1	X	1	1
Sulfuric Acid, 3 Molar to 158°F	2	1	1	X	2	1
Sulfuric Acid, Concentrated Room Temp	X	1	3	X	X	X
Sulfuric Acid, Concentrated to 158°F	4	1	4	X	4	4
Sulfuric Chlorohydrin (Chlorosulfonic Acid)	3	3	1	X	1	1
Sulfurous Acid	2	1	2	X	2	X
Sunoco #3661	1	1	4	X	2	1
Sunoco All purpose grease	1	1	4	X	2	1
Sunoco SAE 10	1	1	4	X	2	1
Sunsafe (Fire resist. hydr. fluid)	1	1	4	X	2	1
Super Shell Gas	1	1	4	X	2	2
Surfuryl Chloride	3	3	1	X	1	1
Swan Finch EP Lube	1	1	4	X	4	1
Swan Finch Hypoid-90	1	1	4	X	2	1
Tallow	1	1	4	X	2	1
Tannic Acid (10%)	1	1	1	X	1	1
Tar, bituminous	2	1	4	X	3	1
Tartaric Acid	1	1	2	X	2	1

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Tellone II	X	X	X	X	X	X
Terephthalic Acid	3	3	1	X	1	1
Terpineol	2	1	3	X	4	1
Terpinyl Acetate	2	1	4	X	4	2
Tertiary Amyl Methyl Ether (TAME)	X	X	X	X	X	X
Tertiary Butyl Catechol or p-tert-butylcatechol	4	1	2	X	2	1
Tertiary Butyl Mercaptan	4	1	4	X	X	X
Tetrabromoethane	4	1	4	X	4	2
Tetrabromomethane	2	1	4	X	4	2
Tetrabutyl Titanate	2	1	1	X	2	4
Tetrachloroethylene	4	1	4	X	4	2
Tetrachoroethane	4	1	4	X	4	2
Tetraethyl Lead	2	1	4	X	2	2
Tetraethyl Lead "Blend"	2	1	4	X	4	2
Tetraethyl Orthosilicate (TEOS)	X	X	X	X	X	X
Tetrahydrofuran	4	4	2	X	4	4
Tetralin	4	1	4	X	4	1
Tetramethyl Ammonium Hydroxide	3	3	1	X	1	1
Tetramethylcyclotetrasiloxane (TMCTS)	X	X	X	X	X	X
Tetramethyldihydropyridine	2	1	4	X	4	2
Tetramethyldihydropyridine	2	1	4	X	4	2
Tetraphosphoglucosate	3	3	1	X	1	1
Tetraphosphoric Acid	X	X	X	X	X	X
Texaco 3450 Gear Oil	1	1	4	X	4	1
Texaco Capella A and AA	1	1	4	X	2	1
Texaco Meropa 220 (No Lead)	1	1	4	X	2	1
Texaco Regal B	1	1	4	X	4	1
Texaco Uni-Temp Grease	1	1	4	X	2	1
Texamatic "A" 1581 Fluid	1	1	4	X	2	2
Texamatic "A" 3401 Fluid	1	1	4	X	2	2
Texamatic "A" 3525 Fluid	1	1	4	X	2	2
Texamatic "A" 3528 Fluid	1	1	4	X	2	2
Texamatic "A" Transmission Oil	1	1	4	X	2	2
Texas 1500 Oil	1	1	4	X	2	1
Therminol 44	4	1	4	X	4	X
Therminol 55	2	1	4	X	4	X
Therminol 66	X	X	X	X	X	X

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Therminol FR	X	X	X	X	X	X
Therminol VP-1, 60, 65	4	1	4	X	4	X
Thio Acid Chloride	X	X	X	X	X	X
Thioamyl Alcohol	1	1	4	X	2	1
Thiodiacetic Acid	3	3	1	X	1	1
Thioethanol	3	3	1	X	1	1
Thioglycolic Acid	3	3	1	X	1	1
Thiokol TP-90B	4	1	1	X	2	2
Thiokol TP-95	4	1	1	X	2	2
Thionyl Chloride	2	1	4	X	4	2
Thiophene (Thiofuran)	2	1	4	X	4	2
Thiophosphoryl Chloride	3	3	1	X	1	1
Thiourea	3	3	1	X	1	1
Thorium Nitrate	3	3	1	X	1	1
Tidewater Multigear, 140 EP Lube	1	1	4	X	2	1
Tidewater Oil-Beedol	1	1	4	X	2	1
Tin Ammonium Chloride	3	3	1	X	1	1
Tin Chloride	1	1	4	X	2	1
Tin Tetrachloride	1	1	4	X	2	1
Titanic Acid	3	3	1	X	1	1
Titanium Dioxide	3	3	1	X	1	1
Titanium Sulfate	3	3	1	X	1	1
Titanium Tetrachloride	2	1	4	X	4	2
Toluene	4	1	4	X	4	2
Toluene Bisodium Sulfite	X	X	X	X	X	X
Toluene Diisocyanate (TDI)	4	4	2	X	4	4
Toluene Sulfonyl Chloride	2	1	4	X	4	2
Toluenesulfonic Acid	3	3	1	X	1	1
Toluidine	2	1	4	X	4	2
Toluol	3	3	1	X	1	1
Toluquinone	2	1	4	X	4	2
Tolylaldehyde	3	3	1	X	1	1
Transformer Oil	1	1	4	X	2	1
Transmission Fluid Type A	1	1	4	X	2	1
Triacetin	2	4	1	X	2	4
Triaryl Phosphate	4	1	1	X	4	2
Tribromomethylbenzene	2	1	4	X	4	2

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Tributoxyethyl Phosphate	4	1	1	X	4	2
Tributyl Citrate	3	3	1	X	1	1
Tributyl Mercaptan	4	1	4	X	4	3
Tributyl Phosphate	4	4	1	X	4	4
Tributylamine	X	X	X	X	X	X
Trichloroacetic Acid	2	3	2	X	4	4
Trichloroacetyl Chloride	2	1	4	X	4	2
Trichlorobenzene	2	1	4	X	4	2
Trichloroethane	4	1	4	X	4	2
Trichloroethanolamine	3	3	1	X	1	1
Trichloroethylene	3	1	4	X	4	2
Trichloromethane	4	1	4	X	4	2
Trichloronitromethane (Chloropicrin)	3	3	1	X	1	1
Trichlorophenylsilane	X	X	X	X	X	X
Trichloropropane	4	1	4	X	4	2
Trichlorosilane	4	1	4	X	4	2
Tricresyl Phosphate	4	2	1	X	3	2
Triethanol Amine	3	4	2	X	2	4
Triethyl Phosphate	2	1	4	X	4	2
Triethylaluminum	X	X	X	X	X	X
Triethylborane	X	X	X	X	X	X
Triethylene Glycol	3	3	1	X	1	1
Triethylenetetramine	3	3	1	X	1	1
Trifluoroacetic Acid	3	3	1	X	1	1
Trifluoroethane	4	1	4	X	4	2
Trifluoromethane	4	1	4	X	4	2
Trifluorovinylchloride	2	1	4	X	4	2
Triisopropylbenzylchloride	2	1	4	X	4	2
Trimethylamine	3	3	1	X	1	1
Trimethylamine (TMA)	3	3	1	X	1	1
Trimethylbenzene	2	1	4	X	4	2
Trimethylborate (TMB)	2	1	4	X	4	2
Trimethylpentane	1	1	4	X	2	1
Trinitrotoluene (TNT)	4	2	4	X	2	2
Trioctyl Phosphate	4	2	1	X	4	2
Triphenylphosphite	3	3	1	X	1	1
Tripoly Phosphate	4	2	1	X	3	1

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O-Ring Compound Compatibility Rating

	Buna N	Viton	Ethylene-Propylene	PTFE (Teflon)	Neoprene	Fluorosilicone
1 - Satisfactory						
2 - Fair (usually OK for static seal)						
3 - Doubtful (sometimes OK for static seal)						
4 - Unsatisfactory						
X - Not Tested						
Tripotassium Phosphate	3	3	1	X	1	1
Trisodium Phosphate	3	3	1	X	1	1
Tritium	X	X	X	X	X	X
Tung Oil (China Wood Oil)	1	1	4	X	2	2
Tungsten Hexafluoride	X	X	X	X	X	X
Tungstic Acid	X	X	X	X	X	X
Turbine Oil	1	1	4	X	4	1
Turbine Oil #15 (MIL-L-7808A)	2	1	4	X	4	2
Turbo Oil #35	1	1	4	X	2	1
Turpentine	1	1	4	X	4	2
Type I Fuel (MIL-S-3136)(ASTM Ref. Fuel A)	1	1	4	X	2	1
Type II Fuel MIL-S-3136	2	1	4	X	4	2
Type III Fuel MIL-S-3136(ASTM Ref. Fuel B)	2	1	4	X	4	2
Ucon Hydrolube J-4	1	1	1	X	2	2
Ucon Lubricant 50-HB-100	1	1	1	X	1	1
Ucon Lubricant 50-HB-260	1	1	1	X	1	1
Ucon Lubricant 50-HB-5100	1	1	1	X	1	1
Ucon Lubricant 50-HB55	1	1	1	X	1	1
Ucon Lubricant 50-HB-660	1	1	1	X	1	1
Ucon Lubricant LB-1145	1	1	1	X	1	1
Ucon Lubricant LB-135	1	1	1	X	1	1
Ucon Lubricant LB-285	1	1	1	X	1	1
Ucon Lubricant LB-300X	1	1	1	X	1	1
Ucon Lubricant LB-625	1	1	1	X	1	1
Ucon Lubricant LB-65	1	1	1	X	1	1
Ucon Oil 50-HB-280x	2	3	1	1	2	X
Ucon Oil Heat Transfer Fluid 500 (Polyalkalene Glycol)	1	1	1	X	1	1
Ucon Oil LB-385	1	1	1	X	1	1
Ucon Oil LB-400X	1	1	1	X	1	1
Undecylenic Acid	2	1	4	X	4	2
Undecylic Acid	2	1	4	X	4	2
Univis 40 (Hydr. Fluid)	1	1	4	X	2	1
Univolt #35 (Mineral Oil)	1	1	4	X	2	1
Unsymmetrical Dimethyl Hydrazine (UDMH)	2	4	1	X	2	4
UPDI(Ultrapurpure Deionized Water)	3	3	1	X	1	1
Uranium Hexachloride	X	1	X	X	X	X
Uranium Hexafluoride	X	X	X	X	X	X

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X - Not Tested						
Uranium Sulfate	X	X	X	X	X	X
Uric Acid	3	3	1	X	1	1
Valeraldehyde	3	3	1	X	1	1
Valeric Acid	3	3	1	X	1	1
Vanadium Oxide	1	1	4	X	2	1
Vanadium Pentoxide	1	1	4	X	2	1
Varnish	2	1	4	X	4	2
Vegetable Oil	1	1	3	X	3	1
Versilube F44, F55	1	1	1	1	1	X
Versilube F-50	1	1	1	X	1	1
Vinegar	2	3	2	X	2	3
Vinyl Acetate	2	3	1	1	2	X
Vinyl Benzene	2	1	4	X	4	2
Vinyl Benzoate	2	1	4	X	4	2
Vinyl Chloride	2	1	4	X	4	2
Vinyl Fluoride	2	1	4	X	4	2
Vinylidene Chloride	2	1	4	X	4	2
Vinylpyridine	2	1	4	X	4	2
Vitriol (White)	3	3	1	X	1	1
VV-H-910	3	1	1	X	2	2
Wagner 21B Brake Fluid	3	4	1	X	2	4
Water	1	2	1	X	2	1
Wemco C	1	1	4	X	2	1
Whiskey and Wines	1	1	1	X	1	1
White Liquor	1	1	1	1	1	X
White Oil	1	1	4	X	2	1
White Pine Oil	2	1	4	X	4	1
Wolmar Salt	1	1	1	X	2	1
Wood Alcohol	1	4	1	X	1	1
Wood Oil	1	1	4	X	2	2
Xenon	1	1	1	X	1	1
Xylene	4	1	4	X	4	1
Xylidenes-Mixed-Aromatic Amines	3	4	1	X	4	4
Xylol	4	1	4	X	4	1
Zeolites	1	1	1	X	1	1
Zinc Acetate	2	4	1	X	2	4
Zinc Ammonium Chloride	3	3	1	X	1	1

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O-Ring Compound Compatibility Rating

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Zinc Chloride	1	1	1	X	1	1
Zinc Chromate	3	3	1	X	1	1
Zinc Cyanide	3	3	1	X	1	1
Zinc Diethyldithiocarbamate	3	3	1	X	1	1
Zinc Dihydrogen Phosphate	3	3	1	X	1	1
Zinc Fluorosilicate	X	X	X	X	X	X
Zinc Hydrosulfite	3	3	1	X	1	1
Zinc Naphthenate	X	X	X	X	X	X
Zinc Nitrate	1	1	1	X	X	1
Zinc Oxide	1	1	1	X	X	1
Zinc Phenolsulfonate	3	3	1	X	1	1
Zinc Phosphate	1	1	1	X	1	1
Zinc Salts	1	1	1	X	1	1
Zinc Silicofluoride	X	X	X	X	X	X
Zinc Stearate	3	3	1	X	1	1
Zinc Sulfate	1	1	1	X	1	1
Zinc Sulfide	3	3	1	X	1	1
Zirconium Nitrate	1	1	1	X	1	1

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