

Fluid Compatibility



Chemical	Sealing Material			
	N	P	S	F
Acetaldehyde	4	4	2	4
Acetamide	1	4	2	2
Acetic Acid, Glacial	3	4	2	3
Acetic Acid, 30%	2	4	1	2
Acetic Acid, 5%	2	—	1	1
Acetic Acid, hot high pressure	4	—	4	4
Acetic Anhydride	3	4	3	4
Acetone	4	4	3	4
Acetophenetidine	2	4	—	1
Acetophenone	4	4	4	4
Acetotoluidide	2	4	—	1
Acetyl Acetone	4	—	4	4
Acetyl Bromide	4	4	4	1
Acetyl Chloride	4	4	3	1
Acetylene	1	4	2	1
Acetylene Tetrabromide	4	—	—	1
Acetylene Tetrachloride	4	—	—	1
Acrylonitrile	4	4	4	3
Adipic Acid	1	—	—	—
Aero Lubriplate	1	—	2	1
Aero Safe 2300	4	—	4	4
Aero Safe 2300W	4	—	4	4
Aero Shell 17 grease	1	1	2	1
Aero Shell 750	2	2	4	1
Aero Shell 7A grease	2	1	2	1
Aero Shell IAC	1	1	2	1
Aerosafe 2300	4	4	3	4
Aerosafe 2300W	4	4	3	4
Aerozene 50 (50% Hydrazine, 50% UDMH)	3	—	4	4
Air below 200° F	2	1	1	1
Air, 200 - 300° F	3	2	1	1
Air, 300 - 400° F	4	4	1	1
Air, 400 - 500° F	2	4	—	1
Alkanes (Paraffin Hydrocarbons)	1	1	2	1
Alkazene	4	4	4	2
Alum-NH3-Cr_K (AQ)	1	4	1	4
Aluminum Acetate (AQ)	2	4	4	4
Aluminum Bromide	1	—	1	1
Aluminum Chloride (AG)	1	1	2	1
Aluminum Fluoride (AQ)	1	—	2	1
Aluminum Nitrate (AQ)	1	—	2	1
Aluminum Phosphate (AQ)	1	—	1	1
Aluminum salts	1	—	1	1
Aluminum Sulfate(AQ)	1	4	1	1
Ambrex 33 (Mobil)	1	1	4	1
Ammonia and Lithium in solution	2	—	4	4
Ammonia, Anhydrous	2	4	3	4

Chemical	Sealing Material			
	N	P	S	F
Ammonia gas (cold)	1	4	1	4
Ammonia gas (hot)	4	4	1	4
Ammonium Carbonate (AQ)	4	4	—	—
Ammonium Chloride (AQ)	1	—	—	1
Ammonium Hydroxide (concentrate)	4	4	1	2
Ammonium Nitrate (AQ)	1	2	—	—
Ammonium Nitrite (AQ)	1	—	2	—
Ammonium Persulfate (AQ)	4	4	—	—
Ammonium Persulfate 10%	4	—	—	—
Ammonium Phosphate Dibasic Ammonium Phosphate	1	—	1	—
Monobasic	1	—	1	—
Ammonium Phosphate Tribasic	1	—	1	—
Ammonium Phosphate (AQ)	1	—	1	—
Ammonium salts	1	—	1	4
Ammonium Sulfate (AQ)	1	4	—	4
Ammonium Sulfide	1	—	—	4
Amyl Acetate (banana oil)	4	4	4	4
Amyl Alcohol	2	4	4	2
Amyl Borate	1	—	—	1
Amyl Chloride	—	—	4	1
Amyl Chloronaphthalene	4	4	4	1
Amyl Naphthalene	4	2	4	1
AN-O-3 Grade M	1	—	2	1
AN-O-366	1	—	4	1
AN-O-6	1	—	4	1
AN-W-O-366B Hydraulic Fluid	1	—	4	1
Anderol L-774 (MIL-L-7808D)	2	4	1	1
Anderol L-826 (Diester)	2	—	4	1
Anderol L-829 (Diester)	2	—	4	1
ANG (Diester base) (TG749)	2	—	2	1
ANG (Glyceral Ester)	2	—	2	1
Anhydrous Ammonia	2	—	2	4
Anhydrous Hydrazine	4	—	—	4
Anhydrous Hydrogen Fluoride	4	—	—	4
Aniline	4	4	4	3
Aniline dyes	4	4	3	2
Aniline Hydrochloride	2	4	4	2
Aniline oils	4	—	4	4
Animal fats (butter)	1	1	2	1
Ansul Ether (anesthetics)	3	4	4	4
API GL-5	2	1	4	1
Aqua Regia	4	4	4	2
Argon	4	—	2	1
Aroclor 1248	3	4	2	1
Aroclor 1254	4	4	3	1
Aroclor 1260	1	4	2	1
Aromatic fuel 50%	2	—	4	1

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	N	P	S	F
Arsenic Acid	1	3	1	1
Arsenic Trichloride (AQ)	1	—	—	—
Askrel	2	4	4	1
Asphalt	2	2	4	1
ASTM #1 Method D-471	1	1	3	1
ASTM #2 Method D-471	1	1	3	1
ASTM #3 Method D-471	1	1	3	1
ASTM #4 Method D-471	2	—	4	1
ASTM #5 Method D-471	1	—	—	1
ASTM Reference Fuel A (MIL-S-3136B Type 1)	1	2	4	1
ASTM Reference Fuel B (MIL-S-3136B Type 3)	1	—	4	1
ASTM Reference Fuel C	2	4	4	1
ASTM Reference Fuel D	2	—	—	1
ATF Type (Mercon)	1	1	1	1
ATF Type A	1	1	2	1
ATF Type F	1	1	2	1
ATF Type I	1	1	2	1
ATF Type II	1	1	2	1
ATL-857	2	—	4	1
Atlantic Dominion	1	—	4	1
Aurex 903R Mobile	1	—	4	1
Automatic Transmission Fluid	1	1	4	1
Automotive brake fluid	3	4	3	4
B.P. Aero Hydraulic Fluid #1 (DTD585)	—	—	—	1
Banana oil (Amyl Acetate)	4	4	4	4
Bardol	4	—	4	1
Barium Chloride (AQ)	1	1	1	1
Barium Hydroxide (AQ)	1	4	1	1
Barium Sulfate (AQ)	1	4	1	1
Barium Sulfide (AQ)	1	4	1	1
Beer	1	4	1	1
Beer sugar liquids	1	—	—	1
Beer sugar liquors	1	4	1	1
Bel Ray SE 140	1	—	—	1
Bel Ray SE 290	2	—	—	4
Benzaldehyde	4	4	2	4
Benzene	4	4	4	2
Benzene Sulfonic Acid	4	4	4	1
Benzene (Ligroin) (Nitrobenzene)	1	1	4	1
Benzene (Pet Ether)	1	1	4	1
Benzoic Acid	3	3	3	1
Benzoin	2	4	—	1
Benzonitrile	3	4	2	3
Benzophenone	—	—	—	1
Benzoyl Chloride	4	4	—	1
Benzyl Alcohol	4	4	2	1
Benzyl Benzoate	4	4	—	1

Chemical	Sealing Material			
	N	P	S	F
Benzyl Chloride	4	4	4	1
Benzyl Phenol	2	4	—	1
Biphenyl (Diphenyl) (Phenylbenzene)	4	4	4	1
Black Point 77	1	—	4	1
Black Sulphate Liquors	2	—	2	1
Blast furnace gas	4	4	1	1
Bleach Liquor	3	—	2	1
Bleach solutions	4	4	2	1
Borax	2	2	2	1
Borax solutions	—	—	—	1
Bordeaux Mixture	2	4	2	1
Boric Acid	1	4	1	1
Boron fluids (HEF)	2	—	4	1
Brake fluid DOT3 (Glycol type)	3	—	4	3
Brake fluid (Wagner 21B)	3	—	3	4
Bray GG-130	2	—	4	1
Brayco 719-R (VV-H-910)	4	—	2	4
Brayco 885 (MIL-L-6085A)	2	—	4	1
Brayco 910	2	—	4	4
Bret 710	2	—	4	4
Brine	1	4	1	1
Brine (seawater)	1	—	—	1
BP, ISO 220 Mineral Oil, PM-220	1	1	2	1
Brom-113	4	—	4	—
Brom-114	2	—	4	2
Bromine	4	—	4	1
Bromine Pentafluoride	4	4	4	4
Bromine Trifluoride	4	4	4	4
Bromine water	4	4	4	1
Bromine-Anhydrous	4	4	4	1
Bromine-Pentafluoride	4	—	4	4
Bromobenzene	4	4	4	1
Bromochloro Trifluoroethane	4	—	4	1
Bunker oil	1	1	2	1
Bunker's "C" (Fuel Oil)	1	—	—	1
Butadiene	4	4	4	1
Butane	1	1	4	1
Butane 2, 2-Dimethyl	1	—	4	1
Butane 2, 3-Dimethyl	1	—	4	1
Butanol (Butyl Alcohol)	1	—	2	1
Butter (animal fat)	1	1	2	1
Butyl Acetate	4	4	4	4
Butyl Acetyl Ricinoleate	3	—	—	1
Butyl Acrylate	4	4	—	4
Butyl Alcohol	1	4	2	1
Butyl Amine	3	4	4	4
Butyl Benzoate	4	4	—	1

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	N	P	S	F
Butyl Butyrate	4	—	—	1
Butyl Carbitol	4	4	4	1
Butyl Cellosolve	3	4	—	4
Butyl Cellosolve Adipate	4	—	2	2
Butyl Ether	4	—	4	4
Butyl Glycolate	3	4	2	3
Butyl Oleate	4	—	—	1
Butyl Stearate	2	—	—	1
Butylene	2	4	4	1
Butylaldehyde	4	4	4	4
Butyric Acid	4	—	—	2
Calcine liquors	1	—	—	1
Calcium Acetate (AQ)	2	4	4	4
Calcium Bisulfate (AQ)	4	4	1	1
Calcium Carbonate	1	—	1	1
Calcium Chloride (AQ)	1	1	1	1
Calcium Cyanide	1	—	1	—
Calcium Hydroxide (AQ)	1	4	1	1
Calcium Hypochloride	4	—	—	1
Calcium Hypochlorite (AQ)	2	4	2	1
Calcium Nitrate (AQ)	1	1	2	1
Calcium Phosphate	1	—	1	1
Calcium salts	1	—	—	1
Calcium Sulfide (AQ)	1	4	2	1
Calcium Sulfite	1	—	1	1
Calcium Thiosulphate	2	—	1	1
Caliche liquors	1	—	2	1
Cane sugar liquors	1	4	1	1
Caporic Aldehyde	—	—	2	4
Carbamate	3	4	—	1
Carbitol	2	4	2	2
Carbolic Acid (Phenol)	4	4	4	1
Carbon Bisulfide	3	3	4	1
Carbon Dioxide (wet or dry)	1	—	2	1
Carbon Disulfide	4	—	—	1
Carbon Monoxide	1	—	1	1
Carbon Tetrachloride	3	4	4	1
Carbonic Acid	2	—	1	1
Castor oil	1	1	1	1
Caustic soda	2	3	2	2
Cellosolve	4	4	4	3
Cellosolve Acetate	4	4	4	4
Cellosolve Butyl	4	—	4	4
Celluguard	1	—	1	1
Cellulube (Fryquel)	4	4	1	1
Cellulube 220 (see MIL-L-19457)	4	4	3	3
Cellulube 90, 100, 150, 220, 300, 500	4	—	1	1

Chemical	Sealing Material			
	N	P	S	F
Cellutherm 2505A	2	—	4	1
Cetane (Hexadecane)	1	—	4	1
China wood oil (tung oil)	1	—	4	1
Chloracetic Acid	4	—	—	4
Chlorextol	2	—	4	1
Chlorinated salt brine	4	—	4	1
Chlorinated solvents (wet or dry)	4	—	4	1
Chlorine (dry)	4	4	4	1
Chlorine (wet)	4	4	4	1
Chlorine Dioxide	4	4	—	1
Chlorine Trifluoride	4	4	4	4
Chloroacetic Acid	4	4	—	4
Chloroacetone	4	4	4	4
Chlorobenzene	4	4	4	1
Chlorobenzene (Mono)	4	—	4	1
Chlorobromomethane	4	4	4	1
Chlorobutadiene	4	4	4	1
Chlorodane	2	—	4	1
Chlorododecane	4	4	4	1
Chloroform	4	4	4	1
Chlorosulfonic Acid	4	4	4	4
Chlorotoluene	4	4	4	1
Chlorox (Sodium Hypochlorite NAOC1)	2	4	2	1
Chrom Alum	1	—	1	1
Chrome plating solutions	4	4	2	1
Chromic Acid	4	4	3	1
Chromic Oxide .88 wt. % aqueous sol.	4	—	2	1
Circo light processing oil	1	—	4	1
Citric Acid	1	—	1	1
City Service #'s 65, 120, 250	1	—	4	1
City Service Kool Motor-AP gear oil	1	—	4	1
City Service Pacemaker #2	1	—	4	1
CM Coolant #5	1	—	—	—
Coal Tar (Creosote)	1	1	4	1
Cobalt Chloride (2N)	1	—	1	1
Cobalt Chloride (AQ)	1	4	2	1
Coconut oil	1	1	1	1
Cod liver oil	1	1	2	1
Coffee (basically water)	1	—	—	1
Coke oven gas	4	4	2	1
Coliche liquors	2	—	—	—
Convelex 10	4	—	4	—
Coolanol (Monsanto)	1	—	4	1
Coolanol 45 (Monsanto)	1	—	4	1
Copper Acetate (AQ)	2	4	4	4
Copper Chloride (AQ)	1	1	1	1
Copper Cyanide (AQ)	1	1	1	1

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Copper salts	1	—	1	1
Copper Sulfate (AQ)	1	4	1	1
Copper Sulfate 10%	1	—	1	1
Copper Sulfate 50%	1	—	1	1
Corn oil	1	1	1	1
Cottonseed oil	1	1	1	1
Creosote (coal tar)	1	1	4	1
Creosote (wood)	1	—	4	1
Cresol	4	4	4	1
Cresylic Acid	4	4	4	1
Crude oil	2	—	4	1
Cumene	4	4	4	1
Cutting oil	1	—	4	1
Cyclohexane	1	1	4	1
Cyclohexanol	3	—	4	1
Cyclohexanone	4	4	4	1
DC44M (Dow Corning)	3	3	3	1
DC44M hi temp Silicone grease	3	3	3	1
Decalin	4	—	4	1
Decane	1	1	2	1
Delco brake fluid	4	—	4	4
Denatured Alcohol	1	4	1	1
Detergent solutions	1	4	1	1
Developing fluids	1	—	1	1
Dexron	1	1	4	1
Di-Ester lubricant (MIL. L-7808)	2	—	4	1
Di-Ester synthetic lubricant	2	—	4	1
Diacetone	4	4	4	4
Diacetone Alcohol	4	4	2	4
Diazion	4	—	4	2
Dibenzyl Ether	4	—	—	4
Dibenzyl Sebecate	4	4	3	2
Dibromoethylbenzene (Alkazene)	4	4	4	2
Dibutyl Amine	4	4	3	4
Dibutyl Ether	4	3	4	3
Dibutyl Phthalate	4	4	2	3
Dibutyl Sebecate	4	4	2	2
Dichloro-Butane	2	—	4	1
Dichloro-Isopropyl Ether	4	3	4	3
Dicyclohexylamine	3	4	—	4
Diesel fuel	1	1	4	1
Diethyl Benzene	4	—	4	1
Diethyl Ether	4	3	4	4
Diethyl Sebecate	2	4	2	2
Diethylamine	2	4	2	4
Diethylene Glycol	1	2	2	1
Difluorodibromomethane	4	—	4	—

Chemical	Sealing Material			
	N	P	S	F
Diisobutylene	2	4	4	1
Diisooctyl Sebacate	4	—	4	2
Diisopropyl Benzene	4	—	—	1
Diisopropyl Ketone	4	4	4	4
Diisopropylidene Acetone (Phorone)	4	4	4	4
Dimethyl Aniline (Xylidine)	3	4	4	4
Dimethyl Disulfite (DMS)	4	4	4	4
Dimethyl Ether (Methyl Ether)	3	4	4	4
Dimethyl Ether (Monomethyl Ether)	1	4	1	1
Dimether Formamide	2	4	2	4
Dimethyl Phthalate	4	4	—	2
Dinitrotolene	4	4	4	4
Diocetyl Phthalate	3	4	3	2
Diocetyl Sebecate	4	4	3	2
Dioxane	4	4	4	4
Dioxolane	4	4	4	4
Dipentene	2	4	4	1
Diphenyl (Biphenyl) (Phenybenzene)	4	4	4	1
Diphenyl Oxides	4	4	3	1
DMS (Dimethyl Disulfite)	4	4	4	4
Dow chemical 50-4	—	—	—	4
Dow chemical ET378	4	—	4	—
Dow chemical ET588	4	—	—	4
Dow Corning-11	1	—	4	1
Dow Corning-1208	1	—	4	1
Dow Corning-200	1	—	4	1
Dow Corning-220	1	—	4	1
Dow Corning-3	1	—	4	1
Dow Corning-33	1	—	4	1
Dow Corning-4	1	—	4	1
Dow Corning-4050	1	—	4	1
Dow Corning-44	1	—	4	1
Dow Corning-5	1	—	4	1
Dow Corning-510	1	—	4	1
Dow Corning-55	1	—	4	1
Dow Corning-550	1	—	4	1
Dow Corning-6620	1	—	4	1
Dow Corning-704	2	—	4	1
Dow Corning-705	2	—	—	1
Dow Corning-710	1	—	4	1
Dow Corning-F60	1	—	4	1
Dow Corning-F61	1	—	2	1
Dow Corning-XF61	1	—	4	1
Dow Guard	1	—	1	1
Dowtherm 209, 50% solution	4	—	4	4
Dowtherm A or E	4	—	4	1
Dowtherm oil	4	4	3	1

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Drinking water	1	—	1	1
Dry cleaning fluids	3	4	4	1
Elco 28-EP lubricant	1	—	4	1
Engine oil (Diester motor oil)	2	1	1	1
Engine oil (Hydrocarbon motor oil)	1	1	1	1
EP lubes	2	1	4	1
Epichlorohydrin	4	4	4	4
Epoxy resins	—	—	—	4
ESAM-6 fluid	—	—	—	4
Esso fuel 208	1	—	4	1
Esso golden gasoline	2	—	4	1
Esso GX 80W90 (GL-5)	2	1	4	1
Esso motor oil	1	—	4	1
Esso transmission fluid (Type A)	1	—	4	1
Esso WS3812 (MIL-L-7808)	1	—	4	1
Esso XP90 EP lubricant	1	—	4	1
Esstic 42,43	1	—	4	1
Esters	4	—	4	4
Ethane	1	—	4	1
Ethanol (Ethyl Alcohol)	1	4	1	3
Ethanolamine	2	4	2	4
Ethyl Acetate	4	4	2	4
Ethyl Acetate-organic Ester	4	—	2	4
Ethyl Acetoacetate	4	4	2	4
Ethyl Acrylate	4	4	2	4
Ethyl Acrylic Acid	4	—	4	—
Ethyl Alcohol (Ethanol)	1	4	1	3
Ethyl Benzene	4	4	4	1
Ethyl Benzoate	4	4	4	1
Ethyl Bromide	2	—	4	1
Ethyl Cellosolve	4	4	4	4
Ethyl Cellulose	2	4	3	4
Ethyl Chloride	1	4	4	1
Ethyl Chlorocarbonate	4	4	4	1
Ethyl Chloroformate	4	4	4	4
Ethyl Cyclopentane	1	—	4	1
Ethyl Ether	3	4	4	4
Ethyl Formate	4	—	—	1
Ethyl Hexanol	1	—	2	1
Ethyl Mercapton	4	—	3	2
Ethyl Oxalate	4	4	4	1
Ethyl Pentachlorobenzene	4	4	4	1
Ethyl Silicate	1	—	—	1
Ethylene	1	—	—	1
Ethylene Chloride	4	4	4	2
Ethylene Chlorohydrin	4	4	3	1
Ethylene Diamine	1	4	1	4

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	N	P	S	F
Ethylene Dibromide	4	—	4	1
Ethylene Dichloride	4	4	4	1
Ethylene Glycol	1	3	1	1
Ethylene Oxide	4	4	4	4
Ethylene Trichloride	4	4	4	1
Ethylmorpholene Stannus Octate (50/50)	4	—	—	4
Fatty Acids	2	—	3	1
FC-43 Heptacosofluorotributylamine	1	—	1	1
FC75 Fluorocarbon	1	—	1	2
Ferric Chloride (AQ)	1	1	2	1
Ferric Nitrate (AQ)	1	1	3	1
Ferric Sulfate (AQ)	1	1	2	1
Fish oil	1	—	1	1
Fluorine (liquid)	4	4	4	2
Fluorobenzene	4	4	4	1
Fluoroboric Acid	1	—	—	—
Fluorolube	1	—	1	2
Formaldehyde (RT)	3	4	2	4
Formaldehyde, 37%	3	4	2	1
Formic Acid	2	—	—	3
Freon 11	2	—	—	1
Freon 112	3	—	4	1
Freon 113	1	—	4	2
Freon 114	1	—	4	2
Freon 114B2	2	—	4	2
Freon 115	1	—	—	2
Freon 12	1	1	4	2
Freon 12 and ASTM #2 oil (50/50)	1	—	4	1
Freon 12 and Suniso 4G (50/50)	1	—	4	1
Freon 13	1	—	4	1
Freon 134A	4	4	4	4
Freon 13B1	1	—	4	1
Freon 14	1	—	4	1
Freon 142B	1	—	—	4
Freon 152A	1	—	—	4
Freon 21	4	—	4	4
Freon 218	1	—	—	1
Freon 22	4	4	4	4
Freon 22 and ASTM #2 oil (50/50)	4	—	4	2
Freon 31	4	—	—	4
Freon 32	1	—	—	4
Freon 502	2	—	—	2
Freon BF	2	—	4	1
Freon C316	1	—	—	—
Freon C318	1	—	—	2
Freon MF	1	—	4	2
Freon PCA	1	—	4	2

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	N	P	S	F
Freon T-P35	1	—	1	1
Freon T-WD602	2	—	4	1
Freon TA	1	—	3	3
Freon TC	1	—	4	1
Freon TF	1	—	4	2
Freon TMC	2	—	3	1
Fuel oil	1	1	4	1
Fuel oil #6	2	—	4	1
Fuel oil, acidic	1	—	4	1
Fumaric Acid	1	4	2	1
Fuming Sulphuric Acid (20/25% Oleum)	4	—	4	1
Furan, Furfuran	4	4	—	—
Furaryl Alcohol	4	—	4	—
Furfural	4	4	4	4
Furfuraldehyde	4	—	4	4
Fyrquel (Cellulube)	4	—	1	1
Fyrquel 90, 100, 150, 220, 300, 500	4	—	1	1
Fyrquel A60	4	—	4	4
Gallic Acid	2	4	—	1
Gasohol (10% Ethanol or Methanol)	2	4	4	3
Gasoline (lead and no-lead)	2	4	4	1
Gelatin	1	4	1	1
Girling brake fluid	4	—	4	4
Glacial Acetic Acid	2	—	2	4
Glauber's salt (AQ)	4	4	—	1
Glucose	1	—	1	1
Glue	1	—	1	1
Glycerin	1	3	1	1
Grease	1	2	1	1
Green Sulfate liquor	2	2	1	1
Gulf endurance oils	1	—	4	1
Gulf FR fluids (emulsion)	1	—	4	1
Gulf FRG fluids	1	—	1	1
Gulf FRP fluids	4	—	1	2
Gulf harmony oils	1	—	4	1
Gulf high temperature grease	1	—	4	1
Gulf legion oils	1	—	4	1
Gulf paramount oils	1	—	4	1
Gulf security oils	1	—	4	1
Gulfcrown grease	1	—	4	1
Halothane	4	—	4	1
Halowax oil	4	—	4	1
Hannifin Lube A	1	—	2	1
Heavy water (Deturium)	1	—	1	1
Hef (high energy fuel)	2	—	4	1
Helium	1	1	1	1
Hexane	1	1	4	1

Chemical	Sealing Material			
	N	P	S	F
Hexyl alcohol	1	4	2	1
High viscosity lubricant, H2	1	—	1	1
High viscosity lubricant, U4	1	—	1	1
Hilo MS #1	4	—	4	4
Houghto-Safe 1010, Phosphate Ester	4	—	4	1
Houghto-Safe 1055, Phosphate Ester	4	—	4	1
Houghto-Safe 1120, Phosphate Ester	4	—	4	1
Houghto-Safe 271 H2O and Glycol base	1	—	2	2
Houghto-Safe 5040, water/oil emulsion	1	—	4	1
Houghto-Safe 620 water/glycol	1	—	2	2
Hydraulic oil (Petroleum)	1	1	3	1
Hydrazine	2	—	3	4
Hydro-Driv, MIH-10 (Petroleum base)	1	—	2	1
Hydro-Driv, MIH-50 (Petroleum base)	1	—	2	1
Hydrobromic Acid	4	4	4	1
Hydrobromic Acid 40%	4	4	4	1
Hydrocarbons (saturated)	1	—	4	1
Hydrochloric Acid (cold) 37%	3	4	3	1
Hydrochloric Acid (hot) 37%	4	4	4	2
Hydrochloric Acid 3 molar	4	—	4	1
Hydrocyanic Acid	2	4	3	1
Hydrofluoric Acid (conc.) cold	4	4	4	1
Hydrofluoric Acid (conc.) hot	4	4	4	3
Hydrofluoric Acid, Anhydrous	4	4	4	4
Hydrofluorsilicic (Fluosilicic) Acid	1	—	4	1
Hydrogen gas	1	2	3	1
Hydrogen Peroxide (90%)	4	4	2	2
Hydrogen Sulfide (wet) cold	4	4	3	4
Hydrogen Sulfide (wet) hot	4	4	3	4
Hydrolube-water/Ethylene Glycol	1	—	2	1
Hydroquinone	3	4	—	2
Hydyne	2	—	4	4
Hyjet	4	—	—	4
Hyjet III	4	—	—	4
Hyjet S	4	—	—	4
Hyjet W	4	—	—	4
Hypochlorous Acid	4	4	—	1
Isopropyl Acetate	4	4	4	4
Industron FF44	1	—	4	1
Industron FF48	1	—	4	1
Industron FF53	1	—	4	1
Industron FF80	1	—	4	1
Iodine	2	—	—	1
Iodine Pentafluoride	4	4	4	4
ISO-Butyl N-Butyrate	4	—	—	1
Isobutyl Alcohol	2	4	1	1

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Fluid Compatibility



Chemical	Sealing Material			
	N	P	S	F
Isododecane	1	—	4	1
Isooctane	1	1	4	1
Isophorone	4	4	4	4
Isopropanol	2	—	1	1
Isopropyl Acetate	4	4	4	4
Isopropyl Alcohol	2	4	1	1
Isopropyl Chloride	4	4	4	1
Isopropyl Ether	2	3	4	4
JP3, JP4, JP5 (see MIL-J-5624G)	1	2	4	1
JP6 (see MIL-F-25656B)	1	—	4	1
JPX (see MIL-F-25604)	1	—	4	4
KEL-F liquids	1	—	1	2
Kerosene	1	1	4	1
Keystone #87 HX-grease	1	—	4	1
Keystone (KSL) Diester lube	2	—	—	1
Krytox, LVP (Dupont)	1	1	1	1
Lacquer solvents	4	4	4	4
Lacquers	4	4	4	4
Lactams-Amino Acids	4	—	—	4
Lacquer solvents	4	4	4	4
Lactic Acid (cold)	1	4	1	1
Lactic Acid (hot)	4	4	2	1
Lard	1	1	2	1
Lavender oil	2	2	4	1
Lead Acetate (AQ)	2	4	4	4
Lead Nitrate (AQ)	1	—	2	—
Lead Sulfamate (AQ)	2	4	2	1
Legroin (Benzine)	1	1	4	1
Legroin (Nitrobenzine)	1	1	4	1
Legroin (Pet Ether)	1	1	4	1
Lehigh X1169	1	—	4	1
Lehigh X1170	1	—	4	1
Light grease	1	—	4	1
Lime bleach	1	4	2	1
Lime Sulfur	4	4	4	1
Lime water (Calcium Hydroxide-AQ)	1	4	1	1
Lindol (hydraulic fluid)	4	4	2	2
Linoleic Acid	2	—	1	2
Linseed oil	1	1	—	1
Liquefied Petroleum gas	1	3	1	1
Liquid Oxygen	4	—	4	4
Lubricating oils (Crude and Refined)	2	—	—	1
Lubricating oils (Synthetic base)	—	4	—	1
Lubricating oils (Di-Ester)	2	2	4	1
Lubricating oils (Petroleum bae)	1	1	4	1
Lubrication oils (SAE 10, 20, 30, 40, 50)	1	2	4	1
Lye	2	3	2	2

Chemical	Sealing Material			
	N	P	S	F
Magnesium Chloride (AQ)	1	—	1	1
Magnesium Hydroxide (AQ)	2	4	—	1
Magnesium salts	1	—	1	1
Magnesium Sulfate (AQ)	1	4	1	1
Magnesium Sulfite	1	—	1	1
Malathion	2	—	4	1
Maleic Acid	4	4	—	1
Maleic Anhydride	4	4	—	4
Malic Acid	1	4	2	1
MCS 312	4	—	1	1
MCS 352,463	4	—	4	1
MEK (Methyl Ethyl Ketone)	4	4	4	4
Mercury	1	—	—	1
Mercury Chloride (AQ)	1	—	—	1
Mercury vapors	1	—	—	1
Mesityl oxide	4	4	4	4
Methane	1	1	4	2
Methane, Sulfurated (odor detection)	1	1	4	2
Menthanol (Methyl Alcohol)	1	4	1	4
Methyl Acetate	4	4	4	4
Methyl Acetoacetate	4	—	2	4
Methyl Acetone	4	4	3	4
Methyl Acrylate	4	4	4	4
Methyl Alcohol (Ethanol)	1	4	1	4
Methyl Benzoate	4	—	4	1
Methyl Bromide	2	3	—	1
Methyl Butyl Ketone (Propyl Acetone)	4	4	3	4
Methyl Carbonate	4	—	4	1
Methyl Cellosolve	3	4	4	4
Methyl Cellulose	2	—	2	4
Methyl Chloride	4	4	4	2
Methyl Chloroformate	4	—	4	1
Methyl Cyclopentane	4	4	4	2
Methyl D-Bromide	4	—	4	1
Methyl Ether (Dimethyl Ether)	1	4	1	1
Methyl Ether (Monomethyl Ether)	1	4	1	1
Methyl Ethyl Ketone (MEK)	4	4	4	4
Methyl Ethyl Ketone Peroxide	4	—	2	4
Methyl Formate	4	—	—	—
Methyl Isobutyl Ketone	4	4	4	4
Methyl Methacrylate	4	4	4	4
Methyl Oleate	4	—	—	2
Methyl Salicylate	4	—	—	—
Methylacrylic Acid	4	4	4	4
Methylene Chloride	4	4	4	2
Methylene Dichloride	4	—	4	2
MIL-1-8660 B	1	—	4	1

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Chemical	Sealing Material			
	N	P	S	F
MIL-A-6091	2	—	1	1
MIL-A-8243 B	1	3	2	2
MIL-C-4339 C	1	1	3	1
MIL-C-5545 A	2	2	4	1
MIL-C-6529 C	2	2	4	1
Mil-C-8188 C	1	3	3	1
MIL-E-9500	1	—	1	1
MIL-F-16884	1	—	4	1
MIL-F-16929 A	1	3	3	1
MIL-F-17111	1	1	3	1
MIL-F-19605	1	—	4	1
MIL-F-25172	1	—	4	1
MIL-F-25524 A	1	—	4	1
MIL-F-25558 B (RJ-1)	1	1	3	1
MIL-F-25576 C (RP-1)	1	1	4	1
MIL-F-25656 B	1	—	4	1
MIL-F-5566	1	—	1	1
MIL-F-5602	1	1	3	1
MIL-F-7024 A	1	2	4	1
MIL-G-10924	1	1	4	1
MIL-G-10924 B	1	1	3	1
MIL-G-15793	1	3	3	1
MIL-G-18709 A	1	1	3	1
MIL-G-2108	1	1	3	1
MIL-G-23827 A	1	3	3	1
MIL-G-25013 D	1	2	4	1
MIL-G-25537 A	1	1	3	1
MIL-G-25760 A	1	3	4	1
MIL-G-27343	1	—	4	1
MIL-G-27617	4	—	4	1
MIL-G-3278	2	—	4	1
MIL-G-4343 B	2	1	4	1
MIL-G-7118 A	1	3	3	1
MIL-G-7187	1	1	3	1
MIL-G-7421 A	1	—	3	1
MIL-G-7711 A	1	1	3	1
MIL-G-81322	2	—	—	—
MIL-H-13862	1	1	3	1
MIL-H-13866 A	1	1	3	1
MIL-H-13910 B	2	2	4	1
MIL-H-13919 A	1	1	3	1
MIL-H-19457 B	4	4	3	3
MIL-H-22072	1	3	2	2
MIL-H-22251	2	—	4	—
MIL-H-25598	1	1	3	1
MIL-H-27601 A	2	2	4	1
MIL-H-46001 A	1	1	3	1

Chemical	Sealing Material			
	N	P	S	F
MIL-H-46004	1	1	3	1
MIL-H-5559 A	1	3	2	2
MIL-H-5606 B red oil	1	1	4	1
MIL-H-6083 C	1	1	3	1
MIL-H-7083 A	1	3	2	2
MIL-H-7644	2	2	4	1
MIL-H-81019 B	1	1	3	1
MIL-H-8446 B (MLO-8515)	2	3	4	1
MIL-I-27686 D	1	3	2	2
MIL-J-5161 F	1	—	4	1
MIL-J-5624 G JP-3, JP-4, JP-5	1	2	4	1
MIL-L-10295 A	1	1	3	1
MIL-L-10324 A	1	1	3	1
MIL-L-11734 B	1	3	3	1
MIL-L-14107 B	3	—	4	1
MIL-L-15016	1	—	4	1
MIL-L-15017	1	1	3	1
MIL-L-15018 B	1	1	3	1
MIL-L-15019 C	1	1	3	1
MIL-L-15719 A	2	2	4	1
MIL-L-16958 A	1	1	3	1
MIL-L-17331 D	1	1	3	1
MIL-L-17353 A	1	—	3	1
MIL-L-17672 B	1	1	3	1
MIL-L-18486 A	1	1	3	1
MIL-L-19457	4	4	3	3
MIL-L-19701	1	3	3	1
MIL-L-2104 B	1	1	3	1
MIL-L-2105 B	1	1	3	1
MIL-L-2105 C (API GL-5)	2	1	4	1
MIL-L-21260	1	1	3	1
MIL-L-22396	1	1	3	1
MIL-L-23699 A	1	3	3	1
MIL-L-25336 B	1	3	3	1
MIL-L-25681 C	1	2	4	1
MIL-L-25968	1	3	3	1
MIL-L-26087 A	1	1	3	1
MIL-L-27694 A	1	—	4	1
MIL-L-3150 A	1	1	3	1
MIL-L-3503	1	1	3	1
MIL-L-3545 B	2	2	4	1
MIL-L-46000 A	1	3	3	1
MIL-L-46002	1	—	3	1
MIL-L-5020 A	1	2	4	1
MIL-L-5606	1	1	4	1
MIL-L-6082 A	1	1	1	1
MIL-L-6082 C	1	1	3	1

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Chemical	Sealing Material			
	N	P	S	F
MIL-L-6085 A	1	3	3	1
MIL-L-6086 B	1	1	3	1
MIL-L-6387 A	1	—	3	1
MIL-L-644 B	1	2	3	—
MIL-L-7645	2	2	4	1
MIL-L-7808 D	2	4	1	1
MIL-L-7808 E	2	4	1	2
MIL-L-7808 F	2	3	1	1
MIL-L-7870 A	1	1	3	1
MIL-L-8383 B	1	1	3	1
MIL-L-9000 F	1	2	4	1
MIL-L-9236 B	1	3	4	1
MIL-O-11773	1	3	3	1
MIL-O-6081 C	1	1	3	1
MIL-P-12098	2	2	4	1
MIL-P-46046 A	2	2	4	1
MIL-S-21568 A	1	1	4	1
MIL-S-3136 B Type I	1	2	4	1
MIL-S-3136 B Type II	1	—	4	1
MIL-S-3136 B Type III	1	—	4	1
MIL-S-3136 B Type IV	1	1	3	1
MIL-S-3136 Type V	1	1	3	1
MIL-S-3136 B Type VI	1	1	3	1
MIL-S-3136 B Type VII	1	—	4	1
MIL-S-81087	1	—	4	1
MIL-T-9188 B	4	4	4	4
Milk	1	4	1	1
Mineral oil	1	1	2	1
Mineral spirits	2	—	4	1
Mobil 24dte	1	—	—	1
Mobil Delvac 1100, 1110, 1120, 1130	1	—	—	1
Mobil HF	1	—	—	1
Mobil Nivac 20, 30	1	—	—	1
Mobil SHC 525	1	4	4	3
Mobil SHC 624	2	4	4	3
Mobil SHC 626	2	4	4	3
Mobil SHC 629	2	3	4	2
Mobil SHC 630	2	2	4	1
Mobil SHC 632	2	1	4	1
Mobil SHC 634	1	1	4	1
Mobil SHC 75W90	1	3	4	2
Mobil Therm 600	1	—	—	1
Mobil Velocite c	1	—	—	1
Mobilgear 600 Series	3	1	1	1
Mobilgear SHC ISO Series	3	1	1	1
Mobilgrease HP	2	1	2	1
Mobilgrease HTS	2	1	2	1

Chemical	Sealing Material			
	N	P	S	F
Mobilgrease SM	2	1	2	1
Mono Ethanolamine	4	—	2	4
Monobromobenzene	4	—	4	1
Monochlorobenzene	4	4	4	1
Monoethanol Amine	4	4	2	4
Monomethyl Aniline	4	4	—	2
Monomethyl Ether (Dimethyl Ether)	1	4	1	1
Monomethyl Ether (Methyl Ether)	1	4	1	1
Monomethyl Hydrazine	2	—	4	—
Mononitrotoluene/Dinitrotoluene 40/60	4	—	4	4
Monovinyl Acetylene	1	—	2	1
Mopar brake fluid	4	—	4	4
Mustard gas	—	—	1	—
Myvacet 9-45	1	—	—	1
N-Heptane	1	—	4	1
N-Hexaldehyde	4	—	2	4
N-Hexene-1	2	1	4	1
N-Octane	2	4	4	1
N-Pentane	1	—	4	1
N-Propyl Acetate	4	4	4	4
Naptha	2	2	4	1
Naphthaienic Acid	2	—	4	1
Naphthalene	4	—	4	1
Natural gas	1	2	1	1
Neat's foot oil	1	1	2	1
Neon	1	—	1	1
Neville Acid	4	4	4	1
Nickel Acetate (AQ)	2	4	4	4
Nickel Chloride (AQ)	1	3	1	1
Nickel salts	1	—	1	1
Nickel Sulfate (AQ)	1	4	1	1
Niter cake	1	4	1	1
Nitric Acid (conc.)	4	4	4	3
Nitric Acid (dilute)	4	4	2	1
Nitric Acid, red fuming	4	4	4	4
Nitrobenzene	4	4	4	2
Nitrobenzene (Petroleum Ether)	1	1	4	1
Nitrobenzine	—	—	—	1
Nitroethane	4	4	4	4
Nitrogen	1	1	1	1
Nitrogen Tetroxide	4	4	4	4
Nitromethane	4	4	4	4
Nitropropane	4	—	4	4
No. 5 cm coolant	1	—	—	—
O-A-548A	1	3	2	2
O-Chloronaphthalene	4	4	4	1
O-Chlorophenol	4	—	4	1

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	N	P	S	F
O-Dichlorobenzene	4	4	4	1
O-Dichorobenzene	4	4	4	1
O-T-634B	3	4	4	1
Octachlorotoluene	4	4	4	1
Octadecane	1	2	4	1
Octyl Alcohol	2	4	2	1
Oleic Acid	3	4	4	2
Oleum (fuming Sulfuric Acid)	4	—	4	1
Oleum spirits	2	—	4	1
Olive oil	1	1	3	1
Oronite 8200 (see MIL-H-8446B)	2	3	4	1
Orthochloro Ethyl Benzene	4	—	4	1
OS 45 Type III (OS45)	2	—	4	1
OS 45 Type IV (OS45-1)	2	—	4	1
OS 70	2	—	4	1
Oxalic Acid	2	—	2	1
Oxygen (200 °-400 °F)	4	4	2	2
Oxygen, cold	2	2	1	1
Ozone	4	2	1	1
P-Cymene	4	4	4	1
P-D-680	1	—	4	1
P-D-680B	1	—	4	1
P-Dichlorobenzene	4	—	4	1
P-S-661B	1	—	4	1
Paint thinner, Duco	4	4	4	2
Palmitic Acid	1	—	4	1
Par-Al-Ketone	4	—	4	4
Para-Dichlorobenzene	4	—	4	1
Parker O-Lube	1	—	1	1
Peanut oil	1	1	1	1
Pentane, 2 Methyl	1	—	4	1
Pentane, 2-4 Dimethyl	1	—	4	1
Pentane, 3 Methyl	1	—	4	1
Perchloric Acid	4	4	4	1
Perchloroethylene	2	4	4	1
Petroleum, above 250 °F	4	4	4	2
Petroleum, below 250 °F	1	2	2	1
Phenol (Carbolic Acid)	4	4	4	1
Phenol, 70%/30% water	4	—	4	1
Phenol, 85%/15% water	4	—	4	1
Phenylbenzene	4	4	4	1
Phenyl Ethyl Ether	4	4	4	4
Phenyl Hydrazine	4	4	—	1
Phenylbenzene	4	4	4	1
Phorone (Disopropylidene Acetone)	4	4	4	4
Phosphate Ester	4	4	1	1
Phosphoric Acid, 20%	2	—	2	1

Chemical	Sealing Material			
	N	P	S	F
Phosphoric Acid 3 molar	4	—	2	1
Phosphoric Acid 45%	4	—	3	1
Phosphoric Acid, concentrated	4	—	2	1
Phosphorus Trichloride	4	—	—	1
Pickling solution	4	4	4	2
Picric Acid	2	—	4	1
Pine oil	4	—	4	1
Pinene	2	4	4	1
Piperidine	4	4	4	4
Plating solution, chrome	—	—	4	1
Plating solution, others	1	—	4	1
Polyalkylene Glycol (Ucon-51 lube)	—	—	2	2
Potassium Acetate (AQ)	2	4	4	4
Potassium Chloride (AQ)	1	1	1	1
Potassium Cupro Cyanide (AQ)	1	1	1	1
Potassium Cyanide (AQ)	1	1	1	1
Potassium Dichromate (AQ)	1	1	1	1
Potassium Hydroxide (AQ)	2	4	3	4
Potassium Nitrate (AQ)	1	1	1	1
Potassium salts	1	—	1	1
Potassium Sulfate (AQ)	1	4	1	1
Potassium Sulfite	1	—	1	1
Prestone anti-freeze	1	—	1	1
PRL-high temp Hydraulic oil	2	—	2	1
Producer gas	1	2	2	1
Propane	1	1	4	1
Propane Propionitrile	1	—	4	1
Propyl Acetone (Methyl Butyl Ketone)	4	4	3	4
Propyl Alcohol	1	4	1	1
Propyl Nitrate	4	4	4	4
Propylene	4	4	4	1
Propylene Oxide	4	4	4	4
Pydraul, 10E, 29 ELT	4	4	4	1
Pydraul, 115E	4	4	4	1
Pydraul, 230E, 312C, 540C	4	4	4	1
Pydraul, 30E, 50E, 65E, 90E	4	4	1	1
Pyranol	1	—	4	1
Pyranol, transformer oil	1	1	4	1
Pyridine	4	4	4	4
Pyrogard, 42, 43, 53, 55 (Phosphate Ester)	4	—	4	1
Pyrogard C, D	1	—	2	1
Pyroligenous Acid	4	4	—	4
Pyrolube	4	—	2	1
Pyrrrole	4	4	2	4
Quaker 613-AS	2	3	2	2
Radiation	3	3	3	4
Rapeseed oil	2	2	4	1

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Fluid Compatibility



Chemical	Sealing Material			
	N	P	S	F
Red Line 100 oil	1	—	4	1
Red oil (MIL-H-5606)	1	1	4	1
RJ-1 (MIL-F-25558B)	1	1	4	1
RP-1 (MIL-F-25576C)	1	1	4	1
SAE 30	1	1	1	1
SAE 90	1	1	4	1
SAE 90 EP (GL-5)	2	1	4	1
Sal Ammoniac	1	1	2	1
Salicylic Acid	2	—	—	1
Salt water	1	4	1	1
Santo Safe 300	4	—	1	1
Sewage	1	4	2	1
Shell Alvania grease #2	1	1	2	1
Shell Carnea 19 and 29	1	1	—	1
Shell Diala	1	—	—	1
Shell Iruis 905	1	1	4	1
Shell Lo Hydrax 27 and 29	1	1	4	1
Shell Macome 72	1	1	4	1
Shell Tellus #32 Pet. Base	1	1	4	1
Shell Tellus #68	1	1	4	1
Shell Tellus 27 (Pet. Base)	1	—	—	1
Shell Tellus 33	1	—	—	1
Shell UMF (5% Aromatic)	1	1	4	1
Silicate Esters	2	—	4	1
Silicone greases	1	1	3	1
Silicone oils	1	1	3	1
Silver Nitrate	2	1	1	1
Sinclair Opaline CX-EP lube	1	—	4	1
Skelly solvent B, C, E	1	—	—	1
Skydrol 500	4	4	3	4
Skydrol 7000	4	4	3	2
Skydrol LD-4	4	4	3	4
Soap solutions	1	4	1	1
Socony Mobil Type A	1	—	4	1
Socony vacuum AMV AC781 (grease)	1	—	4	1
Socony vacuum PD959B	4	—	4	1
Soda ash	1	—	1	1
Sodium Acetate (AQ)	2	4	4	4
Sodium Bicarbonate (AQ) (baking soda)	1	—	1	1
Sodium Bisulfite (AQ)	1	4	1	1
Sodium Borate (AQ)	1	—	1	1
Sodium Carbonate (soda ash)	1	—	1	1
Sodium Chloride (AQ)	1	—	1	1
Sodium Cyanide (AQ)	1	—	1	1
Sodium Hydroxide (AQ)	2	3	2	2
Sodium Hypochlorite (AQ)	2	4	2	1
Sodium Metaphosphate (AQ)	1	—	—	1

Chemical	Sealing Material			
	N	P	S	F
Sodium Nitrate (AQ)	2	—	4	—
Sodium Perborate (AQ)	2	—	2	1
Sodium Peroxide (AQ)	2	4	4	1
Sodium Phosphate (AQ)	1	1	4	1
Sodium salts	1	—	1	1
Sodium Silicate (AQ)	1	—	—	1
Sodium Sulfate (AQ)	1	4	1	1
Sodium Sulfite	1	—	1	1
Sodium Sulphide	1	—	1	1
Sodium Thiosulfate (AQ)	2	4	1	1
Sovasol #1, 2, 3	1	—	4	1
Sovasol #73, 74	2	—	4	1
Soybean oil	1	1	1	1
SPRY	1	—	1	1
SR-10 fuel	1	—	4	1
SR-6 fuel	2	—	4	1
Stannic Chloride (AQ)	1	—	2	1
Stannous Chloride (AQ)	1	—	2	1
Stauffer 7700	2	—	4	1
Steam over 300 °F (water)	4	4	4	4
Steam under 300 °F (water)	4	4	3	4
Stearic acid	2	—	2	—
Stoddard solvent	1	1	4	1
Styrene	4	4	4	2
Sucrose solution	1	4	1	1
Sulfite liquors	2	4	4	1
Sulfur	4	4	3	1
Sulfur Chloride (AQ)	3	4	3	1
Sulfur Dioxide (dry)	4	4	2	1
Sulfur Dioxide (wet)	4	4	2	1
Sulfur Dioxide liquid (under pressure)	4	4	2	1
Sulfur Hexafluoride	2	4	2	1
Sulfur liquors	2	—	4	1
Sulfur Trioxide	4	4	2	1
Sulfur Molten	4	—	4	1
Sulfuric Acid (20% Oleum)	4	4	4	1
Sulfuric Acid (conc.)	4	4	4	1
Sulfuric Acid (dilute)	3	2	4	1
Sulfuric Acid 3 Molar	4	—	4	1
Sulfurous Acid	2	4	4	1
Sunoco #3661	1	—	4	1
Sunoco all purpose grease	1	—	4	1
Sunoco SAE 10	1	—	4	1
Sunsafe (fire resistant hydraulic fluid)	1	—	—	1
Super Shell gasoline	1	—	4	1
Swan Finch EP lube	1	—	4	1
Swan Finch Hypoid	1	—	4	1

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Fluid Compatibility



Chemical	Sealing Material			
	N	P	S	F
Tannic Acid	1	4	2	1
Tar, Bituminous	2	4	2	1
Tartaric Acid	1	—	1	1
Terpineol	2	—	—	1
Tertiary-Butyl Alcohol Turbine oil #15 (MIL-L-7808A)	2	—	4	1
Texaco 3450 Gear Oil	1	1	4	1
Texaco Capella A and AA	1	1	4	1
Texaco Meropa 220 (No Lead)	1	1	4	1
Texaco Regal B	1	1	4	1
Texaco Uni-Temp Grease	1	1	2	1
Texamatic "A" 1581 fluid	1	1	4	1
Texamatic "A" 3401 fluid	1	1	4	1
Texamatic "A" 3525 fluid	1	1	4	1
Texamatic "A" 3528 fluid	1	1	4	1
Texamatic "A" transmission oil	1	1	4	1
Texas 1500 oil	1	1	2	1
Therminol 44	4	4	4	1
Therminol 55	2	2	4	1
Therminol VP-1, 60, 65	4	4	2	1
Toluene	4	4	4	1
Transformer Oil	1	2	2	1
Transmission Fluid Type A	1	1	2	1
Turbo oil #35	1	—	4	1
Turpentine	1	2	4	1
Type I fuel (MIL-S-3136)	1	—	4	1
Type II fuel (MIL-L-3136)	2	—	4	1
Type III fuel (MIL-L-3136)	2	—	4	1
Ucon Hydrolube J-4	1	—	1	1
Ucon lubricant 50-HB100	1	—	1	1
Ucon lubricant 50-HB260	1	—	1	1
Ucon lubricant 50-HB5100	1	—	1	1
Ucon lubricant 50-HB55	1	—	1	1
Ucon lubricant 50-HB660	1	—	1	1
Ucon lubricant LB-1145	1	—	1	1
Ucon lubricant LB-135	1	—	1	1
Ucon lubricant LB-285	1	—	1	1
Ucon lubricant LB-300	1	—	1	1
Ucon lubricant LB-625	1	—	1	1
Ucon lubricant LB-65	1	—	1	1
Ucon oil 50-HB-280x	2	—	—	3
Ucon oil LB-385	1	—	1	1
Ucon oil LB-400X	1	—	1	1
Ultra-violet light	4	2	1	1
Univis (hydraulic fluid)	1	—	4	1
Univolt #35 (mineral oil)	1	—	4	1
Varnish	2	4	4	1
Vegetable oils	1	1	2	1

Chemical	Sealing Material			
	N	P	S	F
Versilube F-50	1	1	3	1
Vinegar	2	4	1	1
Vinyl Chloride	4	4	—	1
W-B-680	2	2	4	1
W-G-632	1	1	3	1
W-G-671C	1	1	3	1
W-H-910	2	2	4	1
W-I-530A	1	1	3	1
W-K-211D	1	—	4	1
W-K-220A	1	2	4	1
W-L-751B	2	2	4	1
W-L-800	1	1	3	1
W-L-820B	1	1	3	1
W-L-825A Type I	1	1	3	1
W-L-825A Type II	1	1	3	1
W-L-825A Type III	2	2	4	1
W-O-526	1	1	3	1
W-P-216A	1	1	3	1
W-P-236	2	2	4	1
Wagner 21B brake fluid	3	—	3	4
Water	1	4	1	1
Wemco	1	—	4	1
Whiskey, wines	1	4	1	1
White gas	2	4	4	1
White Liquor	1	—	—	1
White oil	1	1	4	1
White pine oil	2	—	4	1
Wolmar salt	1	—	1	1
Wood alcohol	1	—	1	1
Wood oil	1	1	4	1
Xenon	1	—	1	1
Xylene	4	4	4	1
Xylidine (Di-Methyl Aniline)	3	4	4	4
Xylol	4	—	4	1
Zeolites	1	—	—	1
Zinc Acetate (AQ)	2	4	4	4
Zinc Chloride (AQ)	1	4	1	1
Zinc Chromate	3	4	2	3
Zinc Cyanide	3	4	2	3
Zinc Nitrate	1	4	—	1
Zinc Oxide	1	4	—	1
Zinc Phosphate	1	4	1	1
Zinc salts	1	—	1	1
Zinc Stearate	3	4	2	3
Zinc Sulfate	1	1	4	1
Zinc Sulfide	3	4	2	3
Zirconium Nitrate	1	4	1	1

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