WILLIAM JOHNSTON
& COMPANY LIMITED

ELASTOMER/CHEMICAL COMPATABILITY CHART

Material Key	Temperature Range Fahrenheit				
N = Nitrile (BUNA N)	-30	to	225		-34
E = Ethylene Propylene	-70	to	275/400		-57
V = Fluorocarbon	-15	to	400/450		-26
C = Neoprene (Chloropre	-35	to	225/250		-37
G = SBR	-70	to	225		-57
A = Polacrylate	-5	to	350		-20
P = Polyurethane	-40	to	180		-40
B = Butyl	-75	to	250		-59
D = Butadiene	-75	to	250		-59
I = Isoprene	-67	to	176		-55
R = Natural Rubber	-40	to	180		-40
H = Hypalon	-31	to	284		-35
L - Flourosilcone	-100	to	350		-73
S = Silicone	-85	to	428		-65

KEY

A = Satisfactory
B = Fair (usually ok for static seal)
C = Doubtful (sometimes ok for static seal)
D = Unsatisfactory
X = Insufficient Data

	Elastomer Type												
	Dynamic and static											Static On	
	N	E	V	C	G	A	P	B	D	I	R	H	L
Acetaldehyde	C	B	D	C	C	D	D	B	B	B	B	C	D
Acetamide	A	A	C	A	D	D	D	B	D	D	D	B	A
Acetic Acid, Glacial	B	B	D	D	B	D	D	B	B	B	B	C	D
Acetic Acid, Hot, High Press	D	C	D	D	D	D	D	D	D	D	D	C	D
Acetic Acid, 5%	B	A	A	A	B	D	D	A	B	B	B	A	B
Acetic Anhydride	D	B	D	B	B	D	D	B	B	B	B	B	D
Acetone	D	A	D	D	D	D	D	A	D	D	D	C	D
Acetophenone	D	A	D	D	D	D	D	B	D	D	D	D	D
Acetyl Acetone	D	A	D	D	D	D	D	A	D	D	D	D	D
Acetyl Chloride	D	D	A	D	D	D	D	D	D	D	D	D	A
Acetylene	A	A	A	B	B	D	D	A	B	B	B	B	X
Acetylene Tetrabromide	D	A	A	B	D	X	D	A	X	X	X	X	X
Acrylonitrile	D	D	C	D	C	D	D	D	X	C	C	C	D
Aero Lubriplate	A	D	A	A	B	A	A	D	D	D	D	A	A
Aerosafe 2300	D	A	D	D	D	D	D	B	D	D	D	D	C
Aerosafe 2300W	D	A	D	D	D	D	D	B	D	D	D	D	C
Aero Shell IAC	A	D	A	B	D	A	A	D	D	D	D	A	A
Aero Shell 7A Grease	B	D	A	B	D	A	A	D	D	D	D	A	A
Aero Shell 17 Grease	A	D	A	B	D	A	A	D	D	D	D	A	A
Aero Shell 750	B	D	A	D	D	B	D	D	D	D	D	D	B
Aerozene 50 (50% Hydrazine 50% UDMH)	C	A	D	D	D	X	D	A	D	D	D	D	D
Air, Below 200F	B	A	A	A	B	A	B	A	B	B	B	A	A
Air, 200 - 300F	C	B	A	B	D	B	C	B	D	D	D	B	A
Air, 300 - 400F	D	D	A	D	D	D	D	D	D	D	D	D	B
Air, 400 - 500F	D	D	C	D	D	D	D	D	D	D	D	D	D
Atlantic Utro Gear-EP Lube.	A	D	A	B	D	A	A	D	D	D	D	D	A
Alkali Metals													
Alkazene	D	D	B	D	D	D	D	D	D	D	D	D	B
Aluminum Acetate	B	A	D	B	B	D	D	A	D	A	A	D	D
Aluminum Bromide	A	A	A	A	A	A	C	A	A	A	A	A	A
Aluminum Chloride	A	A	A	A	A	A	C	A	A	A	A	A	A
Aluminum Fluoride	A	A	A	A	A	X	C	A	A	A	B	A	A
Aluminum Nitrate	A	A	A	A	A	X	C	A	A	A	A	A	X
Aluminum Salts	A	A	A	A	A	A	C	A	A	A	A	A	A
Aluminum Sulphate	A	A	A	A	B	D	D	A	A	A	A	A	A
Alums-NH3 -Cr -K	A	A	D	A	A	D	X	A	A	A	A	A	D
Ambrex 33 (Mobil)	A	D	A	B	D	A	B	D	D	D	D	C	C
Ambrex 830 (Mobil)	A	C	A	B	D	A	A	C	D	D	D	B	A
Amines-Mixed	D	B	D	B	B	D	D	B	B	B	B	D	D
Ammonia, Gas, Cold	A	A	D	A	A	D	X	A	A	A	A	A	D
Ammonia, Gas, Hot	D	B	D	B	D	D	X	B	D	D	D	B	D
Ammonia, Liquid (Anhydrous)	B	A	D	A	D	D	D	A	D	D	D	B	D
Ammonia and Lithium Metal in Sol.	B	B	D	X	D	D	D	B	D	D	D	D	D
Ammonium Carbonate	D	A	A	A	A	D	D	A	X	X	A	A	X
Ammonium Chloride, 2N	A	A	A	A	A	X	A	A	X	X	A	A	X
Ammonium Hydroxide, 3 Molar	A	A	C	A	B	D	D	A	B	B	B	A	A
Ammonium Hydroxide, Concentrated	D	A	D	A	C	D	D	A	C	C	C	A	A
Ammonium Nitrate, 2N	A	A	X	A	A	B	X	A	X	X	C	A	X

Ammonium Nitrite	A	A	X	A	A	X	X	A	A	A	A	A	X
Ammonium Persulfate Solution	D	A	X	X	D	D	D	A	X	A	A	X	X
Ammonium Persulfate 10%	D	A	X	A	D	D	D	A	X	A	A	X	X
Ammonium Phosphate,	A	A	D	A	A	X	X	A	X	A	A	A	X
Ammonium Phosphate, Mono-Basic	A	A	X	A	A	X	X	A	X	A	A	A	X
Ammonium Phosphate, Dibasic	A	A	X	A	A	X	X	A	X	A	A	A	X
Ammonium Phosphate, Tribasic	A	A	X	A	A	X	X	A	X	A	A	A	X
Ammonium Salts	A	A	C	A	A	C	X	A	X	A	A	A	C
Ammonium Sulfate	A	A	D	A	B	D	X	A	A	A	A	A	X
Ammonium Sulfide	A	A	D	A	B	D	X	A	A	A	A	A	X
Amyl Acetate	D	C	D	D	D	D	D	C	D	D	D	D	D
Amyl Alcohol	B	A	B	B	B	D	D	A	B	B	B	B	A
Amyl Borate	A	D	A	A	D	X	X	D	D	D	D	A	X
Amyl Chloride	X	D	A	D	D	D	X	D	D	D	D	D	B
Amyl Chloronaphthalene	D	D	A	D	D	D	X	D	D	D	D	D	B
Amyl Naphthalene	D	D	A	D	D	B	D	D	D	D	D	D	A
Anderol, L-774 (di-ester)	B	D	A	D	D	B	D	D	D	D	D	D	B
Anderol, L- 826 (di-ester)	B	D	A	D	D	B	D	D	D	D	D	D	B
Anderol, L- 829 (di-ester)	B	D	A	D	D	B	D	D	D	D	D	D	B
Ang-25 (Glyceral Ester)	B	A	A	B	B	D	D	B	B	B	B	B	B
Ang-25 (Di-ester Base) (TG749)	B	D	A	D	D	B	D	D	D	D	D	D	B
Anhydrous Ammonia	B	A	D	A	D	D	D	A	D	D	D	D	D
Anhydrous Hydrazine	D	B	D	B	A	D	D	B	D	D	D	B	D
Anhydrous Hydrogen Fluoride	D	A	D	X	D	D	X	A	D	D	D	X	D
Aniline	D	B	C	D	D	D	D	B	D	D	D	D	C
Aniline Dyes	D	B	B	B	B	D	D	B	B	B	B	B	B
Aniline Hydrochloride	B	B	B	D	C	D	D	B	D	B	B	D	B
Aniline Oil	D	B	C	D	D	D	D	B	D	D	D	D	C
Animal Oil (Lard Oil)	A	B	A	B	D	A	B	B	D	D	D	B	A
AN-O-3 Grade M	A	D	A	B	D	A	A	D	D	D	D	B	A
AN-O-6	A	D	A	B	D	A	A	D	D	D	D	B	A
An-O-366	A	D	A	B	D	A	A	D	D	D	D	B	A
Ansul Ether 161 or 181	C	C	D	D	D	D	B	C	D	D	D	D	C
AN-W-O-366b Hydr. Fluid	A	D	A	B	D	B	B	D	D	D	D	B	A
Argon	A	A	A	A	A	A	A	A	A	A	A	A	A
Aroclor, 1248	C	B	A	D	D	D	D	B	D	D	D	D	B
Aroclor, 1254	D	B	A	D	D	D	D	D	D	D	D	D	B
Aroclor, 1260	A	X	A	A	A	D	D	A	A	A	A	A	A
Aromatic Fuel -50%	B	D	A	D	D	D	D	D	D	D	D	D	B
Arsenic Acid	A	A	A	A	A	C	C	A	A	A	B	A	A
Askarel	B	D	A	D	D	D	D	D	D	D	D	D	B
Asphalt	B	D	A	B	D	B	B	D	D	D	D	B	B
ASTM Oil, No.1	A	D	A	A	D	A	A	D	D	D	D	B	A
ASTM Oil, No.2	A	D	A	B	D	A	B	D	D	D	D	D	A
ASTM Oil, No.3	A	D	A	D	D	A	B	D	D	D	D	D	A
ASTM Oil, No.4	B	D	A	D	D	B	D	D	D	D	D	D	B
ASTM Reference Fuel A	A	D	A	B	D	B	A	D	D	D	D	B	A
ASTM Reference Fuel B	A	D	A	D	D	D	B	D	D	D	D	D	A
ASTM Reference Fuel C	B	D	A	D	D	D	D	D	D	D	D	D	B
ATL-857	B	D	A	D	D	B	D	D	D	D	D	D	B
Atlantic Dominion F	A	D	A	B	D	A	B	D	D	D	D	D	A
Aurex 903R (Mobil)	A	D	A	B	D	A	A	D	D	D	B	D	D
Automatic Transmission Fluid	A	D	A	B	D	A	B	D	D	D	D	C	X
Automotive Brake Fluid	C	A	D	B	A	D	D	B	X	X	X	B	D
Bardol B	D	D	A	D	D	D	D	D	D	D	D	D	B
Barium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide	A	A	A	A	A	D	D	A	A	A	A	A	A
Barium Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfide	A	A	A	A	B	D	A	A	B	A	A	A	A
Bayol D	A	D	A	B	D	A	D	D	D	D	D	D	A
Bayol35	A	D	A	B	D	A	B	D	D	D	D	D	A
Beer	A	A	A	A	A	D	B	A	A	A	A	A	A
Beet Sugar Liquors	A	A	A	B	A	D	D	A	A	A	A	A	A
Benzaldehyde	D	A	D	D	D	D	D	A	D	D	D	A	D
Benzene	D	D	A	D	D	D	D	D	D	D	D	D	C
Benzenesulfonic Acid 10%	D	D	A	B	D	D	D	D	D	D	D	A	B
Benzine -See Ligroin													
Benzochloride	D	A	A	D	D	D	X	B	D	D	D	D	A
Benzoic Acid	D	D	A	D	D	D	D	D	D	D	D	D	B
Benzophenone	X	B	A	X	D	D	D	B	D	D	X	X	A
Benzyl Alcohol	D	B	A	B	D	D	D	B	D	D	D	B	B
Benzyl Benzoate	D	D	A	D	D	D	D	B	D	D	D	D	A

Benzyl Chloride	D	D	A	D	D	D	D	D	D	D	D	D	A
Black Point 77	A	A	A	C	C	C	C	A	C	C	C	C	C
Blast Furnace Gas	D	D	A	D	D	D	D	D	D	D	D	D	B
Bleach Liquor	C	A	A	B	C	D	D	A	B	B	C	A	B
Borax	B	A	A	D	B	B	A	A	B	B	B	D	B
Bordeaux Mixture	B	A	A	B	B	D	D	A	B	B	B	A	B
Boric Acid	A	A	A	A	A	D	A	A	A	A	A	A	A
Boron Fluids (HEF)	B	D	A	D	D	D	D	D	D	D	D	D	B
Brake Fluid, DOT3 (Glycol Type)	C	A	D	B	A	X	D	B	X	X	X	B	D
Bray GG-130	B	D	A	D	D	B	D	D	D	D	D	D	B
Brayco 719-R (W-H-910)	C	A	D	B	X	D	D	B	B	B	B	B	B
Brayco 885 (MIL-L-6085A)	B	D	A	D	D	B	A	D	D	D	D	D	B
Brayco 910	B	A	D	B	B	C	C	A	A	A	A	A	D
Bret 710	B	A	D	B	B	C	C	A	A	A	A	A	D
Brom - 113	C	D	X	D	D	X	X	D	X	X	X	D	X
Brom - 114	B	D	B	B	D	X	X	D	D	D	D	B	X
Bromine	D	D	A	D	D	D	D	D	D	D	D	D	B
Bromine Pentafluoride	D	D	D	D	D	D	D	D	D	D	D	D	D
Bromine Trifluoride	D	D	D	D	D	D	D	D	D	D	D	D	D
Bromine Water	D	B	A	D	D	D	D	D	D	D	D	A	B
Bromobenzene	D	D	A	D	D	D	D	D	D	D	D	D	A
Bromochloro Trifluoroethane	D	D	A	D	D	D	D	D	D	D	D	D	B
Bunker Oil	A	D	A	D	D	A	B	D	D	D	D	D	A
Butadiene (Monomer)	D	D	A	D	D	D	D	D	D	D	D	D	A
Butane	A	D	A	A	C	A	A	D	D	D	D	B	C
Butane, 2,2-Dimethyl	A	D	A	B	C	A	D	D	D	D	D	B	C
Butane, 2,3-Dimethyl	A	D	A	B	C	A	D	D	D	D	D	B	C
Butanol (Butyl Alcohol)	A	B	A	A	A	D	D	B	A	A	A	A	A
1-Butene, 2-Ethyl	A	D	A	D	D	A	D	D	D	D	D	D	C
Butter-Animal Fat	A	A	A	B	D	A	A	B	D	D	D	B	A
N-Butyl Acetate	D	B	D	D	D	D	D	B	D	D	D	D	D
Butyl Acetyl Ricinoleate	B	A	A	B	D	X	D	A	D	D	D	B	B
Butyl Acrylate	D	D	D	D	D	D	X	D	D	D	D	D	D
Butyl Alcohol	A	B	A	A	A	D	D	B	A	A	A	A	A
Butyl Amine or N-Butyl Amine	C	C	D	D	D	D	D	D	D	D	D	D	D
N-Butyl Benzoate	D	A	A	D	B	D	X	A	D	D	D	D	A
N-Butyl Butyrate	D	A	A	D	D	D	X	A	D	D	D	D	A
Butyl Carbitol	D	A	C	C	D	D	X	A	D	D	D	B	D
Butyl Cellosolve	C	B	D	C	D	D	D	B	D	D	D	D	D
Butyl Cellosolve Adipate	D	B	B	D	D	D	D	B	D	D	D	D	B
Butylene	B	D	A	C	D	D	D	D	D	D	D	D	B
N-Butyl Ether	C	C	D	D	D	D	C	C	D	D	D	D	C
ButylOleate	D	B	A	D	D	X	X	B	D	X	D	D	B
Butyl Stearate	B	D	A	D	D	X	X	D	D	D	D	D	B
Butyraldehyde	D	B	D	D	D	D	D	B	D	D	D	D	D
Butyric Acid	D	B	B	D	D	D	X	B	D	X	X	D	X
Calcine Liquors	A	A	A	X	X	D	D	A	X	X	X	X	A
Calcium Acetate	B	A	D	B	D	D	D	A	D	A	A	B	D
Calcium Bisulfite	B	A	B	B	B	C	C	A	D	D	D	A	C
Calcium Carbonate	A	A	A	A	A	C	C	A	A	A	A	A	A
Calcium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Cyanide	A	A	X	A	A	X	X	A	A	A	A	A	X
Calcium Hydroxide	A	A	A	A	A	D	B	A	A	A	A	A	A
Calcium Hypochlorite	B	A	A	B	B	D	D	A	B	B	B	A	B
Calcium Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Phosphate	A	A	A	B	A	A	A	A	A	A	A	A	X
Calcium Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Silicate	A	A	A	A	A	X	X	A	A	A	A	A	X
Calcium Sulfide	A	A	A	A	B	D	A	A	B	B	B	A	A
Calcium Sulfite	A	A	A	A	B	D	A	A	B	B	B	A	A
Calcium Thiosulfate	B	A	A	A	B	D	A	A	B	B	B	A	A
Caliche Liquors	A	A	A	A	A	A	A	A	A	A	A	A	A
Cane Sugar Liquors	A	A	A	A	A	D	D	A	A	A	A	A	A
Caproic Aldehyde	X	B	D	X	X	D	D	B	B	B	B	X	D
Carbamate	C	B	A	B	D	D	D	B	D	D	D	B	A
Carbitol	B	B	B	B	B	D	D	B	B	B	B	B	B
Carbolic Acid Phenol	D	B	A	D	D	D	C	B	D	D	D	D	A
Carbon Bisulfide	D	D	A	D	D	C	X	D	D	D	D	D	A
Carbon Dioxide(s)	A	A	A	A	A	A	A	A	A	A	A	A	A
Carbon Disulfide	D	D	A	D	D	C	X	D	D	D	D	D	A
Carbon Monoxide	A	A	A	B	B	X	A	A	B	B	B	B	B
Carbon Tetrachloride	B	D	A	D	D	D	D	D	D	D	D	D	B

Carbonic Acid	B	A	A	A	B	A	A	A	B	A	A	A	A
Castor Oil	A	B	A	A	A	A	A	B	A	A	A	A	A
Cellosolve	D	B	D	D	D	D	D	B	D	D	D	D	D
Cellosolve Acetate	D	B	D	D	D	D	D	B	D	D	D	D	D
Cellosolve, Butyl	D	B	D	D	D	D	D	B	D	D	D	D	D
Celluguard	A	A	A	A	A	C	D	A	A	A	A	A	A
Cellulube (Now Fyrquel)													
Cellutherm 2505A	B	D	A	D	D	B	D	D	D	D	D	D	B
Cetane (Hexadecane)	A	D	A	B	D	A	D	D	D	D	D	B	C
China Wood Oil (Tung Oil)	A	D	A	B	D	X	C	C	D	D	D	C	B
Chloroacetic Acid	D	B	D	D	D	D	D	B	D	D	D	A	D
Chlordane	B	D	A	C	D	X	X	D	D	D	D	C	B
Chlorextol	B	D	A	B	D	B	D	D	D	D	D	D	B
Chlorinated Solvents, Dry	D	D	A	D	D	D	D	D	D	D	D	D	A
Chlorinated Solvents, Wet	D	D	A	D	D	D	D	D	D	D	D	D	A
Chlorine, Dry	D	X	B	B	D	D	X	X	D	D	D	B	X
Chlorine, Wet	D	X	B	D	D	D	X	X	D	D	D	B	X
Chlorine Dioxide	D	C	A	D	D	D	D	C	D	D	D	C	B
Chlorine Dioxide, 8% Cl as NaClO2 in solution	D	D	A	D	D	D	D	D	D	D	D	D	B
Chlorine Trifluoride	D	D	D	D	D	D	D	D	D	D	D	D	D
Chloroacetone	D	A	D	D	D	D	D	B	D	D	D	D	D
Chlorobenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Chlorobenzene, (Mono)	D	D	A	D	D	D	D	D	D	D	D	D	B
Chlorobromo Methane	D	B	A	D	D	D	D	B	D	D	D	D	B
Chlorobutadiene	D	D	A	D	D	D	D	D	D	D	D	D	B
Chlorododecane	D	D	A	D	D	D	D	D	D	D	D	D	A
Chloroform	D	D	A	D	D	D	D	D	D	D	D	D	D
O-Chloronaphthalene	D	D	A	D	D	D	D	D	D	D	D	D	B
1-Chloro 1-Nitro Ethane	D	D	D	D	D	D	D	D	D	D	D	D	D
Chlorosulphonic Acid	D	D	D	D	D	D	D	D	D	D	D	D	D
Chlorotoluene	D	D	A	D	D	D	D	D	D	D	D	D	B
Chlorox	B	B	A	B	D	D	D	B	D	D	D	B	A
O-Chlorphenol	D	D	A	D	D	D	D	D	D	D	D	D	B
Chrome Alum	A	A	A	A	A	D	X	A	A	A	A	A	X
Chrome Plating Solutions	D	B	A	D	D	D	D	B	D	D	D	D	B
Circo Light Process Oil	A	D	A	B	D	A	A	D	D	D	D	B	A
Citric Acid	A	A	A	A	A	X	A	A	A	A	A	A	A
City Service Koolmoter-AP Gear Oil 140-EP Lube	A	D	A	B	D	A	A	D	D	D	D	B	A
City Service Pacemaker #2	A	D	A	B	D	A	B	D	D	D	D	D	A
City Service #65, #120, #250	A	D	A	B	D	A	B	D	D	D	D	D	A
Cobalt Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Cobalt Chloride 2N	A	A	A	A	A	D	D	A	A	A	A	A	A
Cocoanut Oil	A	C	A	C	D	A	C	C	D	D	D	C	A
Cod Liver Oil	A	A	A	B	D	A	A	A	D	D	D	B	A
Coffee	A	A	A	A	A	D	D	A	A	A	A	A	A
Coke Oven Gas	D	D	A	D	D	D	D	D	D	D	D	D	B
Coliche Liquors	B	B	X	A	B	X	X	B	A	A	A	X	X
Convelex 10	D	X	X	D	D	X	B	D	D	D	D	D	X
Coolanol 20, 25R, 35R, 40& 45A (Monsanto)	A	C	A	B	D	D	A	D	D	D	D	B	A
Copper Acetate	B	A	D	B	D	D	D	A	D	A	A	B	D
Copper Chloride	A	A	A	B	A	A	A	A	A	A	A	B	A
Copper Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Copper Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Copper Sulfate	A	A	A	A	B	D	A	B	B	B	B	A	A
Copper Sulfate 10%	A	A	A	A	B	D	B	B	B	B	B	A	A
Copper Sulfate 50%	A	A	A	A	B	D	C	B	B	B	A	A	A
Corn Oil	A	C	A	C	D	A	A	C	D	D	D	B	A
Cottonseed Oil	A	C	A	C	D	A	A	C	D	D	D	B	B
Cresols	D	D	B	D	D	D	X	D	D	D	D	D	X
Creosote, Coal Tar	A	D	A	B	D	A	C	D	D	D	D	D	A
Creosote, Wood	A	D	A	B	D	A	C	D	D	D	D	D	A
Cresylic Acid	D	D	A	D	D	D	D	D	D	D	D	D	X
Crude Oil	B	D	A	D	D	A	X	D	D	D	D	D	B
Cumene	D	D	A	D	D	D	D	D	D	D	D	D	B
Cutting Oil	A	D	A	B	D	A	A	D	D	D	D	B	A
Cyclohexane	A	D	A	C	D	B	A	D	D	D	D	D	A
Cyclohexanol	A	D	A	B	D	X	X	D	D	D	D	B	A
Cyclohexanone	D	B	D	D	D	D	D	B	D	D	D	D	D
P-Cymene	D	D	A	D	D	D	D	D	D	D	D	D	B
Decalin	D	D	A	D	D	X	X	D	D	D	D	D	A
Decane	A	D	A	C	D	A	B	D	D	D	D	C	A
Delco Brake Fluid	C	A	D	B	A	X	X	B	X	X	X	B	D

Denatured Alcohol	A	A	A	A	A	D	D	A	A	A	A	A	A
Detergent, Water Solution	A	A	A	B	B	D	D	A	B	B	B	B	A
Developing Fluids (Photo)	A	B	A	A	B	X	X	B	B	A	A	A	A
Dexron	A	D	A	B	D	A	B	D	D	D	D	D	B
Diacetone	D	A	D	D	D	D	D	A	D	D	D	D	D
Diacetone Alcohol	D	A	D	B	D	D	D	A	D	D	D	B	D
Diazinon	C	D	B	C	D	X	X	D	D	D	D	C	B
Dibenzyl Ether	D	B	D	D	D	X	B	B	D	D	D	D	X
Dibenzyl Sebacate	D	B	B	D	D	D	B	B	D	D	D	D	C
Dibromoethyl Benzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Dibutylamine	D	D	D	C	D	D	D	D	D	D	D	D	D
Dibutyl Ether	D	C	C	D	D	C	B	C	D	D	D	D	C
Dibutyl Phthalate	D	B	C	D	D	D	C	C	D	D	D	D	C
Dibutyl Sebacate	D	B	B	D	D	D	D	B	D	D	D	D	B
O-Dichlorobenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
P-Dichlorobenzene-	D	D	A	D	D	D	D	D	D	D	D	D	B
Dichloro-Butane	B	D	A	D	D	D	D	D	D	D	D	D	B
Dichloro-Isopropyl Ether	D	C	C	D	D	C	B	D	D	D	D	D	C
Dicyclohexylamine	C	D	D	D	D	D	D	D	D	D	D	D	D
DieselOil	A	D	A	C	D	A	C	D	D	D	D	C	A
Di-ester Lubricant MIL-L-7808	B	D	A	D	D	B	D	D	D	D	D	D	B
Di-ester Synthetic Lubricants	B	D	A	D	D	B	D	D	D	D	D	D	B
Diethylamine	B	B	D	B	B	D	C	B	B	B	B	C	D
Diethyl Ether	D	D	D	C	D	C	A	D	D	D	D	D	C
Diethyl Sebacate	B	B	B	D	D	D	D	B	D	D	D	D	B
Diethylene Glycol	A	A	A	A	A	B	D	A	A	A	A	A	A
Difluorodibromomethane	D	B	X	D	D	D	D	B	D	D	D	D	X
Diisobutylene	B	D	A	D	D	D	D	D	D	D	D	D	C
Diisobutyl Ketone	X	A	X	X	X	X	X	A	X	X	X	X	X
Diisooctyl Sebacate	C	C	B	D	D	D	D	D	D	D	D	D	C
Diisopropyl Ketone	D	A	D	D	D	D	D	A	D	D	D	D	D
Dimethyl Formamide (DMF)	B	A	D	C	D	D	D	B	X	X	D	D	D
Dimethyl Phthalate	D	B	B	D	D	D	X	B	D	D	D	D	B
Dinitro Toluene	D	D	D	D	D	D	D	D	D	D	D	D	D
Dioctyl Phthalate	D	B	B	D	D	D	D	B	D	D	D	D	B
Dioctyl Sebacate	D	B	B	D	D	D	B	B	D	D	D	D	C
Dioxane	D	B	D	D	D	D	D	B	D	D	D	D	D
Dioxolane	D	B	D	D	D	D	D	C	D	D	D	D	D
Dipentene	B	D	A	D	D	D	D	D	D	D	D	D	C
Diphenyl	D	D	A	D	D	D	D	D	D	D	D	D	B
DiphenylOxides	D	D	A	D	D	D	D	D	D	D	D	D	B
Dow Chemical 50-4	X	A	D	B	A	X	X	B	X	X	X	B	D
Dow Chemical ET378	D	X	X	D	D	C	B	D	D	D	D	D	X
Dow Chemical ET588	C	A	D	B	A	X	X	B	X	X	X	B	D
Dow Corning -3	B	A	A	A	A	A	A	A	A	A	A	A	A
Dow Corning -4	B	A	A	A	A	A	A	A	A	A	A	A	A
Dow Corning -5	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -1 1	B	A	A	A	A	A	A	A	A	A	A	A	A
Dow Corning -33	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -44	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -55	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -200	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -510	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -550	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -704	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -705	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -710	B	A	A	A	A	A	A	A	A	A	A	A	B
Dow Corning -1265 Fluorosilicone Fluid	B	A	A	A	A	A	A	A	A	A	A	A	C
Dow Guard	A	A	A	A	A	C	C	A	A	A	A	A	A
Dowtherm, A	D	D	A	D	D	D	D	D	D	D	D	D	B
Dowtherm, E	D	D	A	D	D	D	D	D	D	D	D	D	B
Dowtherm, 209	C	A	D	B	X	X	X	B	X	X	X	X	C
Drinking Water	A	A	A	B	A	D	D	A	A	A	A	A	A
Dry Cleaning Fluids	C	D	A	D	D	D	D	D	D	D	D	D	B
DTE named series, Mobil, light-heavy	A	D	A	B	D	X	A	D	D	X	C	A	A
DTE 20 Series, Mobil	B	D	A	A	X	B	A	D	X	X	B	B	B
Elco 28-EP lubricant	A	D	A	C	D	A	A	D	D	D	D	D	A
Epichlorohydrin	D	B	D	D	D	D	D	B	D	D	D	D	D
Epoxy Resins	X	A	D	A	X	X	X	A	X	X	X	X	X
Esam-6 Fluid	X	A	D	B	A	X	X	B	X	X	X	B	D
Esso Fuel 208	A	D	A	B	D	A	D	D	D	D	D	C	A
Esso Golden Gasoline	B	D	A	D	D	D	D	D	D	D	D	D	A

Esso Motor Oil	A	D	A	C	D	A	D	D	D	D	D	D	A
Esso Transmission fluid (Type A)	A	D	A	B	D	A	C	D	D	D	D	D	A
Esso W52812 (MIL-L-7808A)	A	D	A	D	D	B	D	D	D	D	D	D	A
Esso XP9O-EP lubricant	A	D	A	B	D	A	A	D	D	D	D	B	A
Esstic 42, 43	A	D	A	B	D	A	B	D	D	D	D	D	A
Ethane	A	D	A	B	D	A	C	D	D	D	D	B	C
Ethanol	C	A	C	A	A	D	D	A	A	A	A	A	A
Ethanol Amine	B	B	D	B	B	D	C	B	B	B	B	C	D
Ethers	D	C	C	D	D	C	B	D	D	D	D	D	C
Ethyl Acetate-Organic ester	D	B	D	D	D	D	D	B	D	D	D	D	D
Ethyl Acetoacetate	D	B	D	D	C	D	D	B	C	C	C	D	D
Ethyl Acrylate	D	B	D	D	D	D	D	B	D	D	D	D	D
Ethylacrylic Acid	D	B	X	B	D	D	D	B	D	D	D	D	D
Ethyl Alcohol	C	A	C	A	A	D	D	A	A	A	A	A	A
Ethyl Benzene	D	D	A	D	D	D	D	D	D	D	D	D	A
Ethyl Benzoate	D	D	A	D	D	D	D	D	D	D	D	D	A
Ethyl Bromide	B	D	A	D	X	X	X	D	D	D	D	D	A
Ethyl Cellosolve	D	B	D	D	D	D	D	B	D	D	D	D	D
Ethyl Cellulose	B	B	D	B	B	D	B	B	B	B	B	B	D
Ethyl Chloride	A	C	A	D	D	C	B	D	B	A	D	D	A
Ethyl Chlorocarbonate	D	B	A	D	D	D	D	D	D	D	D	D	B
Ethyl Chloroformate	D	B	D	D	D	D	D	C	D	D	D	D	D
Ethylcyclopentane	A	D	A	C	D	B	A	D	D	D	D	D	A
Ethylene Chloride	D	D	B	D	D	D	D	D	D	D	D	D	B
Ethylene Chlorohydrin	D	B	A	B	B	D	D	B	B	B	B	B	B
Ethylene Diamine	A	A	D	A	B	D	D	A	B	A	A	B	D
Ethylene Dibromide	D	C	A	D	D	D	D	C	D	D	D	D	C
Ethylene Dichloride	D	C	A	D	D	D	D	C	D	D	D	D	C
Ethyl Ether	C	C	D	D	D	D	B	C	D	D	D	D	C
Ethyl Formate	D	B	A	B	D	X	X	B	D	D	D	B	A
Ethylene Glycol	A	A	A	A	A	D	B	A	A	A	A	A	A
Ethylene Oxide	D	C	D	D	D	D	D	C	D	D	D	D	D
Ethylene Oxide, (12%) and Freon 12 (80%)	C	B	D	D	D	D	D	B	D	D	D	D	D
Ethylene Trichloride	D	C	A	D	D	D	D	C	D	D	D	D	C
Ethyl Hexanol	A	A	A	A	A	D	D	A	A	A	A	A	A
Ethyl Mercaptan	D	X	B	C	D	X	X	D	D	D	D	C	X
Ethylmorpholene Stannous Octotate (50/50 mixture)	D	B	D	X	D	X	X	B	X	X	X	X	X
EthylOxalate	D	A	B	D	D	D	X	D	D	A	D	D	B
Ethyl Pentachlorobenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Ethyl Silicate	A	A	A	A	B	X	X	A	B	B	B	B	A
F-60 Fluid (Dow Corning)	A	A	A	A	A	A	A	A	A	A	A	A	A
F-61 Fluid (Dow Corning)	A	A	A	A	A	A	A	A	A	A	A	A	A
Fatty Acids	B	C	A	B	D	X	X	C	D	D	D	B	X
FC-43 Heptacosofluorotri-butylamine	A	A	A	A	D	X	X	A	X	X	X	A	A
FC75 & FC77 (Fluorocarbon)	A	A	B	A	D	X	X	A	X	X	X	A	B
Ferric Chloride	A	A	A	B	A	A	A	A	A	A	A	B	A
Ferric Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	A
Fisher Reagent	X	B	X	X	X	X	X	X	X	X	X	X	X
Fluorolube	A	A	B	A	D	X	X	A	X	X	X	A	B
Formaldehyde	C	B	D	C	C	D	D	B	B	B	B	B	D
Freon, 11	D	D	B	D	D	D	X	D	X	X	D	A	B
Freon, 12	B	C	C	A	A	X	A	C	D	D	B	A	C
Freon, 12 and ASTM Oil #2(50/50 Mixture)	B	D	A	C	D	X	X	D	D	D	D	B	B
Freon, 12 and Suniso 4G(50/50 Mixture)	B	D	A	C	D	X	X	D	D	D	D	B	B
Freon, 13	A	A	A	A	A	X	X	A	X	A	A	A	D
Freon, 13B1	A	A	A	A	A	X	X	A	X	X	A	A	B
Freon, 14	A	A	A	A	A	X	A	A	X	X	A	A	X
Freon, 21	D	D	D	C	D	X	X	D	D	D	D	D	X
Freon, 22	D	C	D	A	A	B	D	C	X	X	A	A	D
Freon, 22 and ASTM Oil #2(50/5o Mixture)	D	D	B	B	D	B	X	D	X	X	D	X	B
Freon, 31	D	A	D	A	B	X	X	A	X	X	B	B	X
Freon, 32	A	A	D	A	A	X	X	A	X	X	A	A	X
Freon, 112	B	D	A	B	D	X	X	D	X	X	D	B	X
Freon, 113	A	D	B	A	B	X	A	D	X	X	D	A	X
Freon, 114	A	A	A	A	A	X	X	A	X	X	A	X	X
Freon, 114B2	B	D	B	B	D	X	X	D	X	X	D	A	X
Freon, 115, 116	A	A	B	A	A	X	X	A	X	X	A	X	X
Freon, 502	B	A	B	A	A	X	X	A	X	X	A	X	X
Freon, BF	B	D	A	B	D	X	X	D	X	X	D	B	X
Freon, C318	A	A	B	A	A	X	X	A	X	X	A	A	X
Freon, K-152a	A	A	D	A	A	X	X	A	X	X	A	D	X
Freon, K-142b	A	A	D	A	A	X	X	A	X	X	B	A	X

Freon, MF	B	D	B	D	D	X	C	D	X	X	D	A	X
Freon, PCA	A	D	B	A	B	X	A	D	X	X	D	A	X
Freon, TF	A	D	B	A	B	X	A	D	X	X	D	A	X
Fuel Oil, 1 and 2	A	D	A	B	D	A	B	D	D	D	D	C	A
Fuel Oil, Acidic	A	D	A	B	D	A	B	D	D	D	D	D	A
Fuel Oil, #6	B	D	A	D	D	A	B	D	D	D	D	D	A
Fumaric Acid	A	B	A	B	B	D	X	D	B	A	C	B	A
Fuming Sulphuric Acid (20/25% Oleum)	D	D	A	D	D	D	D	D	D	D	D	D	X
Furan (Furfuran)	D	C	X	D	D	D	X	D	D	D	D	D	X
Furfural	D	B	D	D	D	D	C	B	D	D	D	C	X
Furfuraldehyde	D	B	D	D	D	D	X	B	D	D	D	D	X
Furfuryl Alcoho)	D	B	X	D	D	D	D	B	D	D	D	D	D
Furyl Carbinol	D	B	X	D	D	D	D	B	D	D	D	D	D
Fyrquel 150, 220, 300, 550	D	A	A	D	D	D	D	A	D	D	D	D	B
Gallic Acid	B	B	A	B	B	D	D	B	X	A	A	B	A
Gasoline	A	D	A	D	D	D	B	D	D	D	D	D	A
Gelatin	A	A	A	A	A	D	D	A	A	A	A	A	A
Girling Brake Fluid	C	A	D	B	A	X	X	B	X	X	X	B	D
Glacial Acetic Acid	B	B	D	D	B	D	D	B	B	B	B	D	D
Glauber's Salt	D	B	A	B	D	D	X	B	D	B	B	B	A
Glucose	A	A	A	A	A	X	D	A	A	A	A	A	A
Glycerine - Glycerol	A	A	A	A	A	D	D	A	A	A	A	A	A
Glycols	A	A	A	A	A	D	D	A	A	A	A	A	A
Grease, Petroleum Base	A	D	A	C	D	A	A	D	D	D	D	D	A
Green Sulphate Liquor	B	A	A	B	B	D	D	A	B	B	B	B	B
Gulfcrown Grease	A	D	A	B	D	A	A	D	D	D	D	D	A
Gulf Endurance Oils	A	D	A	B	D	A	A	D	D	D	D	D	A
Gutf FR Fluids (Emulsion)	A	D	A	B	D	A	A	D	D	D	D	D	A
Gulf FR G-Fluids	A	A	A	A	A	D	B	A	A	A	A	A	A
Gulf FR P-Fluids	D	B	B	D	D	D	D	B	D	D	D	D	B
Gulf Harmony Oils	A	D	A	B	D	A	A	D	D	D	D	D	A
Gulf High Temperature Grease	A	D	A	B	D	A	A	D	D	D	D	D	A
Gulf Legion Oils	A	D	A	B	D	A	A	D	D	D	D	D	A
Gulf Paramount Oils	A	D	A	B	D	A	B	D	D	D	D	D	A
Gulf Security Oils	A	D	A	B	D	A	B	D	D	D	D	D	A
Halothane	D	D	A	D	D	D	D	D	D	D	D	D	B
Halowax Oil	D	D	A	D	D	X	X	D	D	D	D	D	A
Hannifin Lube A	A	D	A	A	B	A	A	D	D	D	D	A	A
Heavy Water	A	A	X	B	A	D	D	A	A	A	A	A	A
HEF-2 (High Energy Fuel)	B	D	A	D	D	D	D	D	D	D	D	D	B
Helium	A	A	A	A	A	A	A	A	A	A	A	A	A
N-Heptane	A	D	A	B	D	A	B	D	D	D	D	B	C
N-Hexaldehyde	D	A	D	A	D	X	B	B	D	D	D	C	D
N-Hexane	A	D	A	B	D	A	B	D	D	D	D	B	C
N-Hexane-1	B	D	A	B	D	A	B	D	D	D	D	B	D
Hexyl Alcohol	A	C	A	B	A	D	D	C	A	A	A	B	B
High Viscosity Lubricant, U4	A	A	A	B	A	D	D	A	B	X	X	X	B
High Viscosity Lubricant, H2	A	A	A	B	A	D	D	A	B	X	X	X	B
HiLo MS #1	D	A	D	D	D	D	D	B	D	D	D	D	C
HoughtoSafe 271 (Water& Glycol Base)	A	A	B	B	A	D	D	B	X	X	X	X	B
HoughtoSafe 416 & 500 Series	A	A	X	X	X	X	X	X	X	X	X	X	X
HoughtoSafe 620 Water/Glycol	A	A	B	B	A	D	D	B	X	X	X	X	B
HoughtoSafe 1010, phosphate ester	D	A	A	D	D	D	X	A	D	D	D	D	B
HoughtoSafe 1055, phosphate ester	D	A	A	D	D	D	X	A	D	D	D	D	B
HoughtoSafe 1120. phosphate ester	D	B	A	D	D	D	D	A	D	D	D	D	B
HoughtoSafe 5040 (water/Oil emulsion)	A	D	A	B	D	D	D	D	D	D	D	D	B
Hydraulic Oil, Petroleum Base, Industrial	A	D	A	B	D	A	A	D	D	D	D	B	A
Hydrazine	B	A	D	B	B	X	D	A	X	X	A	B	D
Hydrobromic Acid	D	A	A	D	D	D	D	A	D	A	A	A	C
Hydrobromic Acid 40%	D	A	A	B	D	D	D	A	D	A	A	A	C
Hydrocarbons, Saturated	A	D	A	B	D	A	B	D	D	D	D	C	A
Hydrochloric Acid, 3 Molar to 158F	B	A	A	B	C	C	D	A	X	X	C	A	C
Hydrochloric Acid, Concentrated Room Temp.	B	B	A	X	X	X	X	X	X	X	X	X	X
Hydrochloric Acid, Concentrated to 158F	D	D	D	D	D	D	D	D	X	X	D	X	D
Hydrocyanic Acid	B	A	A	B	B	D	X	A	B	A	A	A	B
Hydro-Drive, MIH-50 (Petroleum Base)	A	D	A	B	D	A	B	D	D	D	D	D	A
Hydro-Drive, MIH-10 (Petroleum Base)	A	D	A	B	D	A	B	D	D	D	D	D	A
Hydrofluosilicic Acid	B	A	A	B	B	X	X	A	X	A	A	A	D
Hydrogen Gas, Cold	A	A	A	A	B	B	A	A	A	A	B	A	C
Hydrogen Gas, Hot	A	A	A	A	B	B	A	A	A	A	B	A	C
Hydrogen Peroxide (4)	B	A	A	A	B	D	X	A	B	B	B	B	A
Hydrogen Peroxide 90% (4)	D	C	A	D	D	D	X	C	D	D	D	C	B

Hydrogen Sulfide Dry, Cold	A	A	D	A	A	D	X	A	A	A	A	A	C
Hydrogen Sulfide Dry, Hot	D	A	D	B	D	D	X	A	D	D	D	C	C
Hydrogen Sulfide Wet, Cold	D	A	D	A	D	D	X	A	D	D	D	B	C
Hydrogen Sulfide Wet, Hot	D	A	D	B	D	D	X	A	D	D	D	C	C
Hydrolube-Water/Ethylene Glycol	A	A	A	B	A	D	D	B	X	X	X	X	B
Hydroquinone	C	B	B	D	D	D	X	D	D	B	B	D	B
Hydyne	B	A	D	B	B	D	X	B	B	B	B	X	D
Hyjet IV and IVA	D	A	D	D	D	D	D	B	D	D	D	D	D
Hypochlorous Acid	D	B	A	D	D	D	X	B	D	B	B	A	X
H2S (See Hydrogen Sulfide)													
Industron FF44	A	D	A	B	D	A	B	D	D	D	D	D	A
Industron FF48	A	D	A	B	D	A	B	D	D	D	D	D	A
Industron FF53	A	D	A	B	D	A	B	D	D	D	D	D	A
Industron FF8O	A	D	A	B	D	A	B	D	D	D	D	D	A
lodine	B	B	A	D	B	X	X	B	X	D	X	B	A
lodine Pentafluoride	D	D	D	D	D	D	D	D	D	D	D	D	D
Isobutyl Alcohol	B	A	A	A	B	D	D	A	B	A	A	A	B
Iso-Butyl N-Butyrate	D	A	A	D	D	D	X	A	D	D	D	D	A
Isododecane	A	D	A	B	D	D	X	D	D	D	D	B	A
Iso Octane	A	D	A	B	D	A	B	D	D	D	D	A	A
Isophorone (Ketone)	D	B	D	D	D	D	D	B	D	D	D	D	D
Isopropanol	B	A	A	B	B	D	D	A	B	A	A	A	B
Isopropyl Acetate	D	B	D	D	D	D	D	B	D	D	D	D	B
Isopropyl Alcohol	B	A	A	B	B	D	D	A	B	A	A	A	B
Isopropyl Chloride	D	D	A	D	D	D	D	D	D	D	D	D	B
Isopropyl Ether	B	D	D	C	D	C	B	D	D	D	D	C	C
JP-4 (MIL-T-5624)	A	D	A	D	D	B	B	D	D	D	D	D	B
J P-5 (MIL-T-5624)	A	D	A	D	D	B	B	D	D	D	D	D	B
JP-6 (MIL-J-25656)	A	D	A	D	D	B	B	D	D	D	D	D	B
J P-8 (MIL-T-83133)	A	D	A	C	D	A	A	D	X	X	D	X	B
J P-9 (MIL-F-81912)	C	D	A	D	D	D	C	D	X	X	D	X	B
JP-9 -1 1	D	D	A	D	D	D	D	D	X	X	D	X	B
JP-10	C	D	A	D	D	D	C	D	X	X	D	X	A
Kel F Liquids	A	A	B	X	A	X	X	A	X	X	X	A	B
Kerosene (Similar to RP-1 and JP-1)	A	D	A	B	D	A	A	D	D	D	D	D	A
Keystone #87HX-Grease	A	D	A	D	D	A	A	D	D	D	D	D	A
Lactams-Amino Acids	D	B	D	B	D	X	X	B	D	D	D	B	D
Lactic Acid, Cold	A	A	A	A	A	D	X	A	A	A	A	A	A
Lactic Acid, Hot	D	D	A	D	D	D	X	D	D	D	D	C	B
Lactones (Cyclic Esters)	D	B	D	D	D	D	D	B	D	D	D	D	D
Lacquers	D	D	D	D	D	D	D	D	D	D	D	D	D
Lacquer Solvents	D	D	D	D	D	D	D	D	D	D	D	D	D
Lard, Animal Fat	A	B	A	B	D	A	A	B	D	D	D	D	A
Lead Acetate	B	A	D	B	D	D	D	A	D	A	A	D	D
Lead Nitrate	A	A	X	A	A	X	X	A	A	A	A	A	A
Lead Sulphamate	B	A	A	A	B	D	X	A	B	B	B	A	A
Lehigh X1169	A	D	A	B	D	A	A	D	D	D	D	B	A
Lehigh X1170	A	D	A	B	D	A	A	D	D	D	D	B	A
Ligroin (Petroleum Ether or Benzine)	A	D	A	B	D	A	B	D	D	D	D	C	A
Lindol, Hydrauiic Fluid(Phosphate ester type)	D	A	B	D	D	D	D	A	D	D	D	D	C
Linoleic Acid	B	D	B	B	D	X	X	D	D	D	D	B	X
Linseed Oil	A	C	A	C	D	A	B	C	D	D	D	B	A
Liquid Oxygen (LOX)	D	D	D	D	D	D	D	D	D	D	D	D	D
Liquid Petroleum Gas (LPG)	A	D	A	B	D	C	A	D	D	D	D	D	C
Liquimoly	A	D	A	B	D	A	B	D	D	D	D	D	A
Lubricating Oils, Di-ester	B	D	A	C	D	B	X	D	D	D	D	X	B
Lubricating Oils, petroleum base	A	D	A	B	D	A	B	D	D	D	D	D	A
Lubricating Oils, SAE 10, 20, 30, 40, 50	A	D	A	B	D	A	B	D	D	D	D	D	A
Lye Solutions	B	A	B	B	B	D	D	A	B	B	A	A	B
Magnesium Chloride	A	A	A	A	A	X	A	A	A	A	A	A	A
Magnesium Hydroxide	B	A	A	B	B	D	D	A	B	B	B	A	X
Magnesium Sulphite and Sulphate	A	A	A	A	B	D	X	A	B	B	B	A	A
Magnesium Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Malathion	B	D	A	X	D	X	X	D	D	D	D	X	B
Maleic Acid	D	D	A	D	D	D	X	D	D	D	D	D	X
Maleic Anhydride	D	B	D	D	D	D	X	B	D	D	D	D	X
Malic Acid	A	B	A	B	B	D	X	D	B	A	C	B	A
MCS 312	D	D	A	D	D	D	X	D	D	D	D	X	A
MCS 352	D	A	D	D	D	D	D	B	D	D	D	D	C
MCS 463	D	A	D	D	D	D	D	B	D	D	D	D	C
Mercuric Chloride	A	A	A	A	A	X	X	A	A	A	A	A	X
Mercury	A	A	A	A	A	X	X	A	A	A	A	A	X

Mercury Vapors	A	A	A	A	A	X	X	A	A	A	A	A	X
Mesityl Oxide (Ketone)	D	B	D	D	D	D	D	B	D	D	D	D	D
Methane	A	D	A	B	D	A	C	D	D	D	D	B	C
Methanol	D	A	D	A	A	D	D	A	A	A	A	A	A
Methyl Acetate	D	B	D	B	D	D	D	B	D	D	D	D	D
Methyl Acetoacetate	D	B	D	D	X	D	D	B	X	X	X	D	D
Methyl Acrylate	D	B	D	B	D	D	D	B	D	D	D	D	D
Methylacrylic Acid	D	B	C	B	D	D	D	B	D	D	D	D	D
Methyl Alcohol	D	A	D	A	A	D	D	A	A	A	A	A	A
Methyl Benzoate	D	D	A	D	D	D	D	D	D	D	D	D	A
Methyl Bromide	B	D	A	D	D	C	X	D	D	D	D	D	A
Methyl Butyl Ketone	D	A	D	D	D	D	D	A	D	D	D	D	D
Methyl Carbonate	D	D	A	D	D	D	D	D	D	D	D	D	B
Methyl Cellosolve	C	B	D	C	D	D	D	B	D	D	D	B	D
Methyl Cellulose	B	B	D	B	B	D	B	B	B	B	B	B	D
Methyl Chloride	D	C	A	D	D	D	D	C	D	D	D	D	B
Methyl Chloroformate	D	D	A	D	D	D	D	D	D	D	D	D	B
Methylcyclopentane	D	D	A	D	D	D	D	D	D	D	D	D	B
Methylene Chloride	D	D	B	D	D	D	D	D	D	D	D	D	B
Methyl Ether	A	D	A	C	D	D	X	D	A	A	D	D	A
Methyl Ethyl Ketone (MEK)	D	A	D	D	D	D	D	A	D	D	D	D	D
Methyl Ethyl Ketone Peroxide	D	D	D	D	D	D	D	D	D	D	D	D	D
Methyl Formate	D	B	X	B	D	X	X	B	D	D	D	B	X
Methyl Isobutyl Ketone (MIBK)	D	C	D	D	D	D	D	C	D	D	D	D	D
Methyl Isopropyl Ketone	D	B	D	D	D	D	D	B	D	D	D	D	D
Methyl Mercaptan	X	A	X	X	X	X	X	A	X	X	X	X	X
Methyl Methacrylate	D	D	D	D	D	D	X	D	D	D	D	D	D
N-Methyl-2-Pyrrolidone	X	B	X	X	X	X	X	X	X	X	X	X	X
MethylOleate	D	B	A	D	D	X	X	B	D	X	D	D	B
Methyl Salicylate	D	B	X	D	C	X	X	B	X	X	C	D	X
MIL-L-2104	A	D	A	B	D	A	A	D	D	D	D	C	A
MIL-S-3136 Type I Fuel	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-S-3136 Type II Fuel	B	D	A	D	D	C	B	D	D	D	D	D	B
MIL-S-3136 Type III Fuel	B	D	A	D	D	C	B	D	D	D	D	D	B
MIL-S-3136 Type IV Oil, Low Swell	A	D	A	A	D	A	A	D	D	D	D	A	A
MIL-S-3136 Type V Oil, Medium Swell	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-S-3136 Type IV Oil, High Swell	A	D	A	D	D	A	A	D	D	D	D	D	A
MIL-L-3150	A	D	A	B	D	B	B	D	D	D	D	B	A
MIL-G-3278	B	D	A	D	D	A	B	D	D	D	D	D	B
MIL-O-3503	A	D	A	B	D	B	A	D	D	D	D	B	A
MIL-G-3545	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-C-4339	A	D	A	D	D	A	A	D	D	D	D	D	A
MIL-G-4343	B	C	A	B	A	A	A	C	A	A	A	A	A
MIL-J-5161	B	D	A	D	D	A	B	D	D	D	D	D	A
MIL-F-5566	B	A	A	B	B	D	B	A	B	A	A	A	A
MIL-G-5572	A	D	A	D	D	B	B	D	D	D	D	D	A
MIL-H-5606	A	D	A	B	D	B	B	D	D	D	D	B	A
MIL-T-5624 J P-4, J P-5	A	D	A	D	D	B	B	D	D	D	D	D	B
MIL-L-6081	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-L-6082	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-H-6083	A	D	A	A	D	A	A	D	D	D	B	B	A
MIL-L-6085	B	D	A	D	D	B	C	D	D	D	D	D	B
MIL-A-6091	B	A	A	A	A	D	D	A	A	A	A	A	A
MIL-L-6387	B	D	A	D	D	B	A	D	D	D	D	D	B
MIL-C-7024	A	D	A	B	D	B	A	D	D	D	D	D	A
MIL-H-7083	A	A	B	B	B	D	D	A	C	C	B	B	A
MIL-G-71 18	B	D	A	B	D	C	C	D	D	D	D	B	A
MIL-G-7187	A	D	A	D	D	A	A	D	D	D	D	D	A
MIL-G-7421	B	D	A	B	D	D	B	D	D	D	D	B	B
MIL-G-771 1	A	D	A	D	D	B	A	D	D	D	D	D	A
MIL-L-7808	B	D	A	D	D	B	D	D	D	D	D	D	B
MIL-L-7870	A	D	A	B	D	A	B	D	D	D	D	D	A
MIL-C-8188	B	D	B	D	D	C	D	D	D	D	D	D	B
MIL-H-8446 (MLO-8515)	B	D	A	A	D	C	D	D	D	D	D	X	A
MIL-L-9000	A	D	A	B	D	A	C	D	D	D	D	B	B
MIL-L-9236	B	D	A	D	D	B	B	D	D	D	D	D	B
MIL-E-9500	A	A	A	A	A	D	D	A	A	A	A	A	A
MIL-G-10924	A	D	A	B	D	B	A	D	D	D	D	B	A
MIL-H-13910	A	A	A	A	A	B	D	A	A	A	A	A	B
MIL-L-15016	A	D	A	B	D	A	A	D	D	D	D	B	B
MIL-L-15017	A	D	A	B	D	A	A	D	D	D	D	B	B
MIL-G-15793	A	D	A	B	D	A	A	D	D	D	D	B	B

MIL-F-16884	A	D	A	C	D	A	C	D	D	D	D	C	A
MIL-F-1711 1	A	D	A	B	D	A	C	D	D	D	D	B	B
MIL-L-17331	A	D	A	X	D	X	X	D	D	D	D	X	X
MIL-H-19457	D	B	A	D	D	D	D	A	D	D	D	D	D
MIL-L-21260	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-G-21568	A	A	A	A	A	A	A	A	A	A	A	A	A
MIL-H-22251	B	A	X	B	B	X	X	A	X	X	X	B	X
MIL-L-23699	B	D	A	C	D	C	C	D	D	D	D	C	B
MIL-G-25013	A	A	A	B	A	A	C	A	D	D	B	B	A
MIL-G-25537	A	D	A	B	D	B	A	D	D	D	D	B	A
MIL-F-25558 (RJ-1)	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-R-25576 (RP-1)	A	D	A	B	D	A	A	D	D	D	D	B	A
MIL-F-25656	A	D	A	D	D	B	B	D	D	D	D	D	B
MIL-L-25681	B	A	A	B	B	B	C	A	B	B	B	B	B
MIL-G-25760	B	D	A	B	D	B	B	D	D	D	D	B	B
MIL-P-27402	B	A	X	B	B	X	X	A	X	X	X	B	X
MIL-H-27601	A	D	A	B	D	A	C	D	D	D	D	C	B
MIL-H-46170	A	D	A	B	D	B	B	D	D	D	D	B	A
MIL-S-81087	A	A	A	A	A	A	A	A	A	A	A	A	A
MIL-F-81912 (J P-9)	C	D	A	D	D	D	C	D	X	X	D	X	B
MIL-F-82522 (RJ-4)	B	D	A	D	D	A	A	D	A	A	A	X	A
MIL-T-83133	A	D	A	C	D	A	A	D	X	X	D	X	B
Milk	A	A	A	A	A	D	D	A	A	A	A	A	A
MineralOils	A	C	A	B	D	A	A	C	D	D	D	B	A
MLO-7277 Hydr.	C	D	A	D	D	C	C	D	D	D	D	D	C
MLO-7557	C	D	A	D	D	C	C	D	D	D	D	D	C
MLO-8200 Hydr.	B	D	A	A	D	X	A	D	D	D	D	D	B
MLO-8515	B	D	A	A	D	C	A	D	D	D	D	C	A
Mobil SHC 500 Series	C	D	A	B	X	A	B	D	X	X	X	B	B
Mobil SHC 600 Series	C	D	A	B	D	A	A	D	X	X	X	B	B
Mobilgear 600 Series	C	C	A	A	D	A	B	C	C	D	D	B	A
Mobilgear SHC ISO Series	C	C	A	B	D	A	B	C	C	D	D	B	A
Mobilgrease HP	B	D	A	B	D	A	A	D	X	D	D	C	A
Mobilgrease HTS	B	D	A	B	D	A	A	D	X	D	D	C	A
Mobilgrease SM	B	D	A	B	D	A	A	D	X	D	D	C	A
Mobilith SHC Series	B	D	A	C	D	A	A	D	X	D	D	C	A
Mobilith AW Series	B	D	A	B	D	A	A	D	X	D	D	C	A
Mobilmistlube Series	C	C	A	A	D	A	B	C	C	D	D	B	A
Mono Bromobenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Monochlorobenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Mono Ethanolamine	D	B	D	D	B	D	D	B	B	B	B	D	D
Monomethylaniline	D	B	B	D	D	D	D	B	D	D	D	D	X
Monomethyl Hydrazine	B	A	X	B	B	X	X	A	X	X	X	B	X
Monoitrotoluene & Dinitrotoluene(40/60 Mixture)	D	D	C	D	D	D	D	D	D	D	D	D	C
Monovinyl Acetylene	A	A	A	B	B	X	X	A	B	B	B	B	X
Mopar Brake Fluid	C	A	D	B	A	X	X	B	X	X	X	B	D
Naptha	B	D	A	D	D	B	B	D	D	D	D	D	B
Naphthalene	D	D	A	D	D	X	B	D	D	D	D	D	A
Naphthenic Acid	B	D	A	D	D	X	X	D	D	D	D	D	A
Natural Gas	A	D	A	A	B	B	B	D	B	B	B	A	C
Neatsfoot Oil	A	B	A	D	D	A	A	B	D	D	D	D	A
Neon	A	A	A	A	A	A	A	A	A	A	A	A	A
Neville Acid	D	B	A	D	D	D	X	B	D	D	D	D	B
Nickel Acetate	B	A	D	B	D	D	D	A	D	A	A	D	D
Nickel Chloride	A	A	A	B	A	C	C	A	A	A	A	A	A
Nickel Salts	A	A	A	B	A	C	C	A	A	A	A	A	A
Nickel Sulfate	A	A	A	A	B	D	C	A	B	B	B	A	A
Niter Cake	A	A	A	A	A	D	A	A	A	A	A	A	A
Nitric Acid 3 Molar to 158F(4)	D	B	C	D	C	D	D	B	X	X	X	B	D
Nitric Acid Concentrated Room Temp.(4)	X	D	B	X	X	X	X	X	X	X	X	X	X
Nitric Acid Concentrated to 158F(4)	D	D	D	D	D	D	D	D	X	X	D	X	D
Nitrobenzene	D	A	B	D	D	D	D	A	D	D	D	D	D
Nitroethane	D	B	D	B	B	D	D	B	B	B	B	B	D
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	A	A
Nitrogen Tetroxide (N204)(4)	D	D	D	D	D	D	D	B	D	D	D	D	D
Nitromethane	D	B	D	C	C	D	D	B	B	B	B	B	D
Nitropropane	D	B	D	D	D	D	D	B	D	D	D	D	D
Nitrous Oxide	A	A	A	X	X	X	X	X	X	X	X	X	X
Noryl GE Phenolic	A	A	X	X	X	X	X	X	X	X	X	X	X
Nyvac FR200, Mobil	A	A	A	B	D	X	X	D	D	X	D	C	X
Octachloro Toluene	D	D	A	D	D	D	D	D	D	D	D	D	B
Octadecane	A	D	A	B	D	B	A	D	D	D	D	B	A

N-Octane	A	D	A	D	D	D	D	D	D	D	D	D	B
Octyl Alcohol	B	C	A	B	B	D	D	B	B	B	B	B	B
Oleic Acid	C	D	B	D	D	D	B	D	D	D	D	D	X
Oleum (Fuming Sulfuric Acid)	D	D	A	D	D	D	D	D	D	D	D	D	X
Oleum Spirits	B	D	A	C	D	X	C	D	D	D	D	B	B
Olive Oil	A	B	A	B	D	A	A	B	D	D	D	B	A
Oronite 8200	B	D	A	A	D	X	A	D	D	D	D	D	A
Oronite 8515	B	D	A	A	D	X	A	D	D	D	D	D	A
Orthochloro Ethyl Benzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Ortho-Dichlorobenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
OS 45 Type III (0545)	B	D	A	A	D	X	D	D	D	D	D	B	B
OS 45 Type IV (0545-1)	B	D	A	A	D	X	D	D	D	D	D	B	B
OS 70	B	D	A	A	D	X	D	D	D	D	D	B	B
Oxalic Acid	B	A	A	B	B	X	X	A	B	B	B	B	A
Oxygen, Cold(4)	B	A	A	A	B	B	A	A	B	B	B	A	A
Oxygen, 200-400F (4)	D	D	B	D	D	D	D	D	D	D	D	D	D
Ozone	D	A	A	B	D	B	A	B	D	D	D	A	A
Paint Thinner, Duco	D	D	B	D	D	D	D	D	D	D	D	D	B
Palmitic Acid	A	B	A	B	B	X	A	B	B	B	B	C	A
Para-dichlorobenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Par-al-Ketone	D	D	D	D	D	D	D	D	D	D	D	D	D
Parker O Lube	A	D	A	A	B	A	A	D	D	D	D	A	A
Peanut Oil	A	C	A	C	D	A	B	C	D	D	D	B	A
Pentane, 2 Methyl	A	D	A	B	D	A	D	D	D	D	D	B	C
Pentane, 2-4, dimethyl	A	D	A	B	D	A	D	D	D	D	D	B	C
Pentane, 3-Methyl	A	D	A	B	D	A	D	D	D	D	D	B	C
N-Pentane	A	D	A	A	C	A	D	D	D	D	D	B	C
Perchloric Acid - 2N	D	B	A	B	D	D	D	B	D	D	D	B	A
Perchloroethylene	B	D	A	D	D	D	D	D	D	D	D	D	B
Petrolatum	A	D	A	B	D	A	A	D	D	D	D	B	A
Petroleum Oil, Crude	A	D	A	B	D	A	A	D	D	D	D	B	A
Petroleum Oil, Below 250F	A	D	A	B	D	B	B	D	D	D	D	B	B
Petroleum Oil, Above 250F	D	D	B	D	D	D	D	D	D	D	D	D	D
Phenol	D	D	A	D	D	D	D	D	D	D	D	D	B
Phenol, 70%/30% H2O	D	D	A	D	D	D	D	D	D	D	D	D	B
Phenol, 85%/15% H2O	D	D	A	D	D	D	D	D	D	D	D	D	B
Phenylbenzene	D	D	A	D	D	D	D	D	D	D	D	D	B
Phenyl Ethyl Ether	D	D	D	D	D	D	D	D	D	D	D	D	D
Phenylhydrazine	D	B	A	D	B	D	X	D	B	A	A	D	X
Phorone	D	C	D	D	D	D	D	C	D	D	D	D	D
Phosophate Esters (8)													
Phosphoric Acid, 3 Molar to 158F	A	A	A	B	B	C	D	A	X	X	X	A	B
Phosphoric Acid, Concentrated Room Temp	B	A	A	B	A	B	D	A	X	X	X	A	C
Phosphoric Acid, Concentrated to 158F	D	A	A	C	B	C	D	A	X	X	X	A	C
Phosphorous Trichloride	D	A	A	D	D	X	X	A	X	X	D	D	A
Pickling Solution	D	C	B	D	D	D	D	C	D	D	D	B	D
Picric Acid, H2O Solution	A	A	A	A	B	X	X	A	B	B	A	A	B
Picric Acid, Molten	B	B	A	B	B	X	X	B	B	B	B	B	B
Pinene	B	D	A	C	D	D	B	D	D	D	D	D	A
Pine Oil	A	D	A	D	D	X	X	D	D	D	D	D	A
Piperidine	D	D	D	D	D	D	D	D	D	D	D	D	D
Plating Solutions, Chrome	D	B	A	D	D	D	D	B	D	D	D	D	B
Plating Solutions, Others	A	A	A	D	D	X	X	A	X	X	D	A	X
Pneumatic Service	A	A	A	A	D	D	A	A	D	D	D	A	D
Polyvinyl Acetate Emulsion	X	A	X	B	D	X	X	A	X	X	B	B	X
Potassium Acetate	B	A	D	B	D	D	D	A	D	A	A	A	D
Potassium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Cupro Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Dichromate	A	A	A	A	A	A	B	A	A	A	A	A	A
Potassium Hydroxide, 50%	B	A	D	B	B	D	D	A	B	B	B	A	C
Potassium Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Sulphate	A	A	A	A	B	D	A	A	A	B	B	B	A
Potassium Sulfite	A	A	A	A	B	D	A	A	A	B	B	B	A
Prestone Antifreeze	A	A	A	A	A	D	D	A	A	A	A	A	A
PRL-High Temp. Hydr. Oil	B	D	A	B	D	A	B	D	D	D	D	D	A
Producer Gas	A	D	A	B	D	B	A	D	D	D	D	B	B
Propane	A	D	A	B	D	A	C	D	D	D	D	B	B
Propyl Acetate	D	B	D	D	D	D	D	B	D	D	D	D	D
N-Propyl Acetone	D	A	D	D	D	D	D	A	D	D	D	D	D
Propyl Alcohol	A	A	A	A	A	D	D	A	A	A	A	A	A

Propylene	C	D	A	D	D	D	D	D	D	D	D	D	C
Propylene Oxide	D	B	D	D	D	D	D	B	D	D	D	D	D
Propyl Nitrate	D	B	D	D	D	D	X	B	D	D	D	D	D
Pyranol, Transformer Oil	A	D	A	B	D	A	B	D	D	D	D	B	A
Pydraul, 10E	D	A	D	D	D	D	D	A	D	D	D	D	D
Pydraul, 29ELT 30E, 50E, 65E	D	A	A	D	D	D	D	A	D	D	D	D	A
Pydraul, 115E	D	A	A	D	D	D	D	A	D	D	D	D	C
Pydraul, 230C, 312C, 540C, A200	D	D	A	D	D	D	D	D	D	D	D	D	D
Pyridine Oil	D	B	D	D	D	D	X	B	D	D	D	D	D
Pyrogard 53, Mobil Phosphate Ester	D	A	A	D	D	D	D	A	D	D	D	D	D
Pyrogard D, Mobil Water-in-Oil Emulsion	A	D	D	B	D	X	A	D	D	D	D	A	B
Pyroligneous Acid	D	B	D	B	D	D	D	B	D	D	D	B	D
Pyrolube	D	B	A	D	D	D	D	B	D	D	D	D	B
Pyrrole	D	D	D	D	B	D	X	D	B	B	B	D	D
Radiation (GAMMA, 1 E +07 RADS)(9)	C	B	D	X	X	X	D	D	X	X	D	X	D
Red Oil (MIL-H-5606)	A	D	A	B	D	A	A	D	D	D	D	B	A
Red Line 100 Oil	A	D	A	B	D	A	A	D	D	D	D	B	A
RJ-1 (MIL-F-25558)	A	D	A	B	D	A	A	D	D	D	D	B	A
RJ-4 (MIL-F-25558)	B	D	A	D	D	B	B	D	X	X	D	X	A
RP-1 (MIL-R-25576)	A	D	A	B	D	A	A	D	D	D	D	B	A
Rapeseed Oil	B	A	A	B	D	B	B	A	D	D	D	B	A
Sal Ammoniac	A	A	A	A	A	A	A	A	A	A	A	A	A
Salicylic Acid	B	A	A	X	B	X	X	A	B	A	A	X	A
Santo Safe 300	D	C	A	D	D	D	X	C	D	D	D	X	A
Sea (Salt) Water	A	A	A	B	A	D	B	A	A	A	A	A	A
Sewage	A	A	A	B	A	D	D	A	A	A	A	A	A
SF96 GE Sllicone Fluid	B	A	A	A	A	A	B	A	A	A	A	A	A
SF1147 GE Silicone Fluid	B	C	A	X	X	X	X	C	X	X	X	X	X
SF1154 GE Silicone Fluid	B	A	A	A	A	A	B	A	X	A	A	A	A
Shell Alvania Grease #2	A	D	A	B	D	A	A	D	D	D	D	D	A
Shell Carnea 19 and 29	A	D	A	D	D	A	B	D	D	D	D	D	A
Shell Diala	A	D	A	B	D	A	B	D	D	D	D	D	A
Shell Irus 905	A	D	A	B	D	A	A	D	D	D	D	D	A
Shell 3XF Mine Fluid (Fire resist hydr.)	A	D	A	B	D	D	D	D	D	D	D	B	A
Shell Tellus #32 Pet. Base	A	D	A	B	D	A	A	D	D	D	D	D	A
Shell Tellus #68	A	D	A	B	D	A	A	D	D	D	D	D	A
Shell UMF (5% Aromatic)	A	D	A	B	D	A	A	D	D	D	D	D	A
Shell Lo Hydrax 27 and 29	A	D	A	B	D	A	B	D	D	D	D	D	A
Shell Macome 72	A	D	A	B	D	A	B	D	D	D	D	D	A
Silicate Esters	B	D	A	A	D	X	A	D	D	D	D	X	A
Silicone Greases	A	A	A	A	A	A	A	A	A	A	A	A	B
Silicone Oils	A	A	A	A	A	A	A	A	A	A	A	A	C
Silver Nitrate	B	A	A	A	A	A	A	A	A	A	A	A	A
Sinclair Opaline CX-EP Lube	A	D	A	B	D	A	A	D	D	D	D	D	B
Skelly, Solvent B, C, E	A	D	A	D	D	X	X	D	D	D	D	D	A
Skydrol 500 B4	D	A	D	D	D	D	D	B	D	D	D	D	C
Skydrol LD-4	D	A	D	D	D	D	D	B	D	D	D	D	C
Soap Solutions	A	A	A	B	B	D	D	A	A	A	B	A	A
Socony Mobile Type A	A	D	A	B	D	A	B	D	D	D	D	D	B
Socony Vacuum AMV AC781 (grease)	A	D	A	B	D	A	B	D	D	D	D	D	A
Socony Vacuum PD959B	A	D	A	B	D	A	A	D	D	D	D	B	A
Soda Ash	A	A	A	A	A	X	X	A	A	A	A	A	A
Sodium Acetate	B	A	D	B	D	C	C	A	D	A	A	A	D
Sodium Bicarbonate (Baking Soda)	A	A	A	A	A	X	X	A	A	A	A	A	A
Sodium Borate	A	A	A	A	A	X	X	A	A	A	A	A	A
Sodium Carbonate (Soda Ash)	A	A	A	A	A	X	X	A	A	A	A	A	A
Sodium Bisulfate or Bisulfite	A	A	A	A	B	D	X	A	B	B	A	A	A
Sodium Chloride	A	A	A	A	A	X	A	A	A	A	A	A	X
Sodium Cyanide	A	A	X	A	A	X	X	A	A	A	A	A	X
Sodium Hydroxide, 3 Molar	B	A	B	B	B	D	B	A	A	A	A	A	B
Sodium Hypochlorite	B	C	A	B	B	D	D	A	B	B	B	A	B
Sodium Metaphosphate	A	A	A	B	A	X	X	A	A	A	A	B	A
Sodium Nitrate	B	A	X	B	B	X	X	A	A	A	B	A	X
Sodium Perborate	B	A	A	B	B	X	X	A	B	B	B	B	A
Sodium Peroxide	B	A	A	B	B	D	D	A	B	B	B	B	A
Sodium Phosphate (Mono)	A	A	A	B	A	A	A	A	A	A	A	A	X
Sodium Phosphate (Dibasic)	A	A	A	B	A	A	A	A	A	A	A	A	X
Sodium Phosphate (Tribasic)	A	A	A	B	A	A	A	A	A	A	A	A	X
Sodium Salts	A	A	A	B	A	A	A	A	A	A	A	A	A
Sodium Silicate	A	A	A	A	A	X	X	A	A	A	A	A	X
Sodium Sulphate	A	A	A	A	B	D	A	A	B	B	B	A	A
Sodium Sulphide and Sulfite	A	A	A	A	B	D	A	A	B	B	B	A	A

Sodium Thiosulfate	B	A	A	A	B	D	A	A	B	B	B	A	A
Sour Crude Oil	C	D	A	D	D	D	D	D	D	D	D	X	D
Sour Natural Gas	C	D	A	D	D	D	D	D	D	D	D	X	D
Sovasol No. 1, 2 and 3	A	D	A	B	D	B	B	D	D	D	D	B	A
Sovasol No. 73 and 74	B	D	A	B	D	B	B	D	D	D	D	B	A
Soybean Oil	A	C	A	C	D	A	X	C	D	D	D	C	A
Spry	A	B	A	B	D	A	A	B	D	D	D	D	A
SR-6 Fuel	B	D	A	D	D	B	B	D	D	D	D	D	A
SR-10 Fuel	A	D	A	D	D	B	B	D	D	D	D	D	A
Standard Oil Mobilube GX9O-EP Lube	A	D	A	B	D	A	A	D	D	D	D	B	A
Stannic Chloride	A	A	A	D	A	X	X	A	A	A	A	D	A
Stannic Chloride 50%	A	A	A	D	A	X	X	A	A	A	A	D	A
Stannous Chloride (15%)	A	A	A	A	A	X	X	A	A	A	A	A	A
Stauffer 7700	B	D	A	D	D	B	X	D	D	D	D	D	B
Steam, Below 400F	D	A	D	D	D	D	D	B	D	D	D	D	D
Steam, 400 - 500F	D	C	D	D	D	D	D	D	D	D	D	D	D
Steam, Above 500F													
Stearic Acid	B	B	X	B	B	X	X	B	B	B	B	B	X
Stoddard Solvent	A	D	A	B	D	A	A	D	D	D	D	D	A
Styrene (Monomer)	D	D	B	D	D	D	X	D	D	D	D	D	C
Sucrose Solutions	A	A	A	B	A	D	D	A	A	A	A	B	A
Sulfur Liquors	B	B	A	B	B	D	X	B	B	B	B	B	B
Sulfur	D	A	A	A	D	D	X	A	D	D	D	X	A
Sulfur Molten	D	C	A	C	D	D	D	C	D	D	D	D	C
Sulfur Chloride	D	D	A	D	D	D	X	D	D	D	D	D	A
Sulfur Dioxide, Wet	D	A	D	B	D	D	X	A	D	D	D	C	B
Sulfur Dioxide, Dry	D	A	D	D	B	D	X	B	B	B	B	D	B
Sulfur Dioxide, Liquidified under pressure	D	A	D	D	D	D	X	B	D	D	D	D	B
Sulfuric Acid, 3 Molar to 158F	B	A	A	B	C	B	D	A	X	X	X	A	A
Sulfuric Acid, Concentrated, Room Temp	X	C	A	X	X	X	C	X	X	X	X	X	X
Sulfuric Acid, Concentrated to 158F	D	D	A	D	D	D	D	D	X	X	X	X	D
Sulfurous Acid	B	B	A	B	B	D	C	B	B	B	B	A	X
Sulfur Trioxide, Dry	D	B	A	D	C	D	X	B	B	B	B	D	B
Sunoco SAE 10	A	D	A	B	D	A	A	D	D	D	D	B	A
Sunoco #3661	A	D	A	B	D	A	A	D	D	D	D	B	A
Sunoco All purpose grease	A	D	A	B	D	A	A	D	D	D	D	B	A
Sunsafe (Fire resist. hydr. fluid)	A	D	A	B	D	D	D	D	D	D	D	B	A
Super Shell Gas	A	D	A	B	D	B	B	D	D	D	D	D	B
Swan Finch EP Lube	A	D	A	D	D	A	A	D	D	D	D	D	A
Swan Finch Hypoid-90	A	D	A	B	D	A	A	D	D	D	D	D	A
Tannic Acid (10%)	A	A	A	A	B	D	X	A	A	A	A	A	A
Tar, bituminous	B	D	A	C	D	D	X	D	D	B	C	D	A
Tartaric Acid	A	B	A	B	D	X	A	B	B	A	C	A	A
Terpineol	B	C	A	D	D	X	B	C	D	D	D	D	A
Tertiary Butyl Alcohol	B	B	A	B	B	D	D	B	B	B	B	B	B
P-Tertiary Butyl Catechol	D	B	A	B	B	D	D	B	B	D	D	B	A
Tertiary Butyl Mercaptan	D	D	A	D	D	D	D	D	D	D	D	D	X
Tetrabromoethane	D	D	A	D	D	D	X	D	D	D	D	D	B
Tetrabutyl Titanate	B	A	A	B	B	X	X	B	B	B	B	D	D
Tetrachoroethane	D	D	A	D	D	D	D	D	D	D	D	D	B
Tetrachloroethylene	D	D	A	D	D	D	D	D	D	D	D	D	B
Tetraethyl Lead	B	D	A	B	D	X	X	D	D	D	D	D	B
Tetraethyl Lead "Blend"	B	D	A	D	D	X	X	D	D	D	D	D	B
Tetrahydrofuran	D	B	D	D	D	D	C	B	D	D	D	D	D
Tetralin	D	D	A	D	D	X	X	D	D	D	D	D	A
Texaco 3450 Gear Oil	A	D	A	D	D	A	A	D	D	D	D	D	A
Texaco Capella A and AA	A	D	A	B	D	A	B	D	D	D	D	D	A
Texaco Meropa 220 (No Lead)	A	D	A	B	D	A	B	D	D	D	D	D	A
Texaco Regal B	A	D	A	D	D	A	A	D	D	D	D	D	A
Texaco Uni-Temp, Grease	A	D	A	B	D	A	A	D	D	D	D	D	A
Texamatic "A" Transmission Oil	A	D	A	B	D	A	B	D	D	D	D	D	B
Texamatic "A" 1581 Fluid	A	D	A	B	D	A	B	D	D	D	D	D	B
Texamatic "A" 3401 Fluid	A	D	A	B	D	A	B	D	D	D	D	D	B
Texamatic "A" 3525 Fluid	A	D	A	B	D	A	B	D	D	D	D	D	B
Texamatic "A" 3528 Fluid	A	D	A	B	D	A	B	D	D	D	D	D	B
Texas 1500 Oil	A	D	A	B	D	A	A	D	D	D	D	D	A
Therminol VP-1, 60, 65	D	D	A	D	X	D	X	D	X	X	X	X	X
Therminol44	D	D	A	D	X	D	X	D	X	X	X	X	X
Therminol55	B	D	A	D	X	B	X	D	X	X	X	X	X
Thiokol TP-90B	D	A	A	B	D	X	X	A	X	X	X	B	B
Thiokol TP-95	D	A	A	B	D	X	X	A	X	X	X	B	B
Tidewater Oil-Beedol	A	D	A	B	D	A	A	D	D	D	D	D	A

Tidewater Multigear 140, EP Lube	A	D	A	B	D	A	A	D	D	D	D	B	A
Titanium Tetrachloride	B	D	A	D	D	D	D	D	D	D	D	D	B
Toluene	D	D	A	D	D	D	D	D	D	D	D	D	B
Toluene Diisocyanate	D	B	D	D	D	D	X	B	D	D	D	D	D
Transformer Oil	A	D	A	B	D	B	A	D	D	D	D	D	A
Transmission Fluid Type A	A	D	A	B	D	A	A	D	D	D	D	B	A
Triacetin	B	A	D	B	C	D	D	A	B	B	B	B	D
Triaryl Phosphate	D	A	A	D	D	D	D	A	D	D	D	D	B
Tributoxyethyl Phosphate	D	A	A	D	B	D	D	A	B	D	B	D	B
Tributyl Mercaptan	D	D	A	D	D	D	X	D	D	D	D	D	C
Tributyl Phosphate	D	A	D	D	D	D	D	B	D	B	B	D	D
Trichloroacetic Acid	B	B	C	D	B	D	D	B	B	B	B	D	D
Trichloroethane	D	D	A	D	D	D	D	D	D	D	D	D	B
Trichloroethylene	C	D	A	D	D	D	D	D	D	D	D	D	B
Tricresyl Phosphate	D	A	B	C	B	D	D	A	D	D	D	D	B
Triethanol Amine	C	B	D	B	B	D	D	B	B	B	B	B	D
Trifluoroethane	D	D	A	D	D	D	D	D	D	D	D	D	B
Trinitrololuene	D	D	B	B	D	D	X	D	D	D	D	B	B
Trioctyl Phosphate	D	A	B	D	D	D	D	A	D	D	D	D	B
Tripoly Phosphate	D	A	B	C	D	D	D	A	D	D	D	D	A
Tung Oil (China Wood Oil)	A	D	A	B	D	X	C	C	D	D	D	C	B
Turbine Oil	A	D	A	D	D	A	A	D	D	D	D	D	A
Turbine Oil #15 (MIL-L-7808A)	B	D	A	D	D	B	D	D	D	D	D	D	B
Turbo Oil #35	A	D	A	B	D	A	A	D	D	D	D	D	A
Turpentine	A	D	A	D	D	B	D	D	D	D	D	D	B
Type I Fuel (MIL-S-3136)(ASTM Ref. Fuel A)	A	D	A	B	D	A	A	D	D	D	D	B	A
Type II Fuel MIL-S-3136	B	D	A	D	D	C	B	D	D	D	D	D	B
Type III Fuel MIL-s-3~3s(AsTM Ref. Fuel B)	B	D	A	D	D	C	B	D	D	D	D	D	A
Ucon Hydrolube J-4	A	A	A	B	A	D	D	A	B	X	X	X	B
Ucon Lubricant LB-65	A	A	A	A	B	X	X	A	B	B	B	B	A
Ucon Lubricant LB-135	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant LB-285	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant LB-300X	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant LB-625	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant LB-1145	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant 50-HB55	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant 50-HB-100	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant 50-HB-260	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant 50-HB-660	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Lubricant 50-HB-5100	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Oil LB-385	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Oil LB-400X	A	A	A	A	A	X	X	A	A	A	A	A	A
Ucon Oil Heat Transfer Fluid 500(Polyalkalene Glyc	A	A	A	A	A	X	X	A	A	A	A	A	A
Univis 40 (Hydr. Fluid)	A	D	A	B	D	A	A	D	D	D	D	B	A
Univolt #35 (Mineral Oil)	A	D	A	B	D	A	A	D	D	D	D	D	A
Unsymmetrical Dimethyl Hydrazine (UDMH)	B	A	D	B	B	X	X	A	A	A	A	A	D
Uranium Hexachloride	X	X	A	X	X	X	X	X	X	X	X	X	X
Varnish	B	D	A	D	D	D	C	D	D	D	D	D	B
Vegetable Oil	A	C	A	C	D	A	X	C	D	D	D	X	A
Versilube F-50	A	A	A	A	A	A	A	A	A	A	A	A	A
Vinegar	B	B	C	B	B	D	D	B	B	B	B	X	C
Vinyl Chloride	X	D	X	X	X	X	X	X	X	X	X	X	X
W-H-910	C	A	A	B	A	B	D	B	B	B	B	B	B
Wagner 21 B Brake Fluid	C	A	D	B	A	X	X	B	X	X	B	B	D
Water (10)	A	A	B	B	A	D	D	A	A	A	A	A	A
Wemco C	A	D	A	B	D	A	A	D	D	D	D	D	A
Whiskey and Wines	A	A	A	A	A	D	D	A	A	A	A	A	A
White Pine Oil	B	D	A	D	D	X	X	D	D	D	D	D	A
White Oil	A	D	A	B	D	A	A	D	D	D	D	D	A
WOlmar Salt	A	A	A	B	A	B	A	A	A	A	A	A	A
Wood Alcohol	A	A	D	A	A	D	D	A	A	A	A	A	A
Wood Oil	A	D	A	B	D	A	C	C	D	D	D	C	B
Xylene	D	D	A	D	D	D	D	D	D	D	D	D	A
Xylidenes-Mixed-Aromatic Amines	C	D	D	D	D	D	D	D	D	D	D	D	D
Xy101	D	D	A	D	D	D	D	D	D	D	D	D	A
Xenon	A	A	A	A	A	A	A	A	A	A	A	A	A
Zeolites	A	A	A	A	A	X	X	A	A	A	A	A	A
Zinc Acetate	B	A	D	B	D	D	D	A	D	A	A	D	D
Zinc Chloride	A	A	A	A	A	D	X	A	A	A	A	A	A
Zinc Salts	A	A	A	A	A	D	A	A	A	A	A	A	A
Zinc Sulfate	A	A	A	A	B	D	X	A	B	B	B	A	A

The above information has been derived from many sources and the ra
Users must test under their own operating conditions to determine the

Celsius		
to	107	
to	135/205	
to	205/232	
to	107/120	
to	107	
to	177	
to	82	
to	120	
to	120	
to	80	
to	82	
to	140	
to	177	
to	220	

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B	X	X	A	A	A	A	A	X	X	D	D	X	D	D	D	D	D	D	B	B	B	X	X	D	C	C	D	B	B	D	D	D	D	A	B	C	A	D	A	D	D	A	D	C	D	D	D	D	D	D	D	D	C	D	A	A	A	A	D	D	A	A	B	D	D		X	D	X	B	D

| D | C | A | B | B | B | A | D | C | D | B | D | D | D | D | D | D | D | D | D | D | D | B | D | D | D | D | B | D | B | D | X | X | B | D | X | X | D | X | B | D | D | X | X | D | X | X | D | C | A | A | A | A | B | B | A | B | X | A | A | A | B | A | B | X | B | D | D | A | D | A | D |
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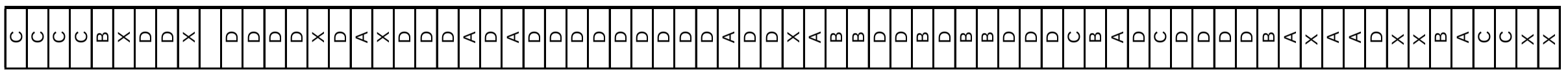
A	A	A	D	D	D	D	X	C	D	C	D	B	B	D	D	D	D	X	D	D	D	B	D	B	B	D	D	X	C	D	B	X	D	C	C	D	D	D	D	C	X	D	X	B	B	C	B	C	C	C	C	C	C	C	C	C	C	A	A	D	D	C	A	D	C	D	B	D	X	X	D	D

D	D	D	D	D	D	B	B	D	B	B	B	D	B	D	D	X	D	B	D	D	D	D	C	A	D	D	D	X	A	D	D	D	B	C	X	D	D	X	D	D	C	A	A	B	B	X	A	B	D	D	D	D	D	D	D	D	D	D	X	X	D	D	D	D	X	X	D	X	X	X

D	D	D	D	A	A	B	D	X	D	D	D	D	A	X	D	A	X	B	X	A	A	A	D	X	D	D	D	A	A	D	D	D	D	D	D	D	B	A	D	A	D	B	D	D	B	A	A	C	B	X	B	C	C	C	C	B	B	D	D	D	D	X	D	C	B	B	D	C	C	A	B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D	D	D	D	A	A	D	D	D	D	C	X	B	B	B	D	D	D	D	D	D	B	X	A	A	A	D	D	D	B	X	D	D	X	D	D	D	D	D	D	C	C	A	D	X	C	C	A	D	D	D	A	D	A	A	A	A	A	A	A	B	X	D	B	D	D	D	A	A	X	A	A

A	D	D	D	D	A	A	D	D	D	B	B	B	D	C	D		B	D	D	A	D	X	C	C	B	B	B	A	X	D	D	B	D	D	D	X	D	D	D	B	B	A	X	B	X	D	D	D	X	D	X	X	D	D	D	D	D	B	D	D	D	D	D	B	B	D	D	X	X	B

D	D	D	D	B	B	X	C	X	D	D	X	D	D	C	X	D	X	C	C	D	D	D	D	D	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	X	D	A	C	C	X	B	C	A	D	A	D	D	A	A	D	D	D	D	A	X	D	X	A	A

tings are therefore intended as a guide only.
suitability of any compound in a particular application.