

COMPATIBILITY TABLE

A - excellent

B - good

C - insufficient

D - unsatisfactory

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
A					
acetaldehyde	A	A	A	A	C
acetamide	B	A	B	A	A
acetic acid 5%	A	A	A	A	-
acetic acid 30%	A	C	A	A	-
acetic acid, hot high press	C	-	-	A	-
acetic acid, glacial	B	A	C	A	D
acetic anhydride	C	A	B	A	D
acetone	B	A	C	A	B
acetophenone	D	B	-	A	D
acetyl acetone	D	A	-	A	-
acetyl chloride	C	D	A	A	D
acetylene	B	A	A	A	D
acetylene tetrabromide	-	D	-	A	-
acrylonitrile	D	D	D	A	A
adipic acid	-	B	C	A	A
aero lubriplate	B	C	-	A	-
aero safe 2300	C	B	-	A	-
aero safe 2300 w	C	B	-	A	-
aero shell IAC	B	D	-	A	-
aero shell 7 A grease	B	D	-	A	-
aero shell 17 grease	B	D	-	A	-
aero shell 750	D	D	-	A	-
air - below 300° F	A	D	A	A	-
air - above 300° F	A	D	A	A	-
alkazene	D	D	-	A	-
alum NH3 CR- K	A	A	-	A	-
aluminum acetate	D	A	-	A	-
aluminum bromide	A	B	-	A	-
aluminum chloride	B	A	A	A	B
aluminum fluoride	B	A	-	A	A
aluminum nitrate	B	A	-	A	A
aluminum phosphate	A	A	-	A	-
aluminum salts	A	A	A	A	A
aluminum sulfate	A	A	A	A	A
ambrex 33 mobile	D	-	-	A	-
amines, mixed	B	A	A	A	C
ammonia anhydrous(li- quid)	C	A	A	A	B
ammonia gas, cold	A	A	A	A	-
ammonia gas, hot	A	-	A	A	-
ammonia & lithium metali solution	D	-	-	A	-
ammonium carbonate	-	A	A	A	B
ammonium chloride	-	A	A	A	A
ammonium hydroxide (concentrated)	A	A	A	A	A

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
ammonium nitrite	B	A	-	A	-
ammonium persulfate solution	-	A	-	A	A
ammonium persulfate 10%	-	-	-	A	-
ammonium phosphate	A	A	A	A	-
ammonium phosphate, mono-basic	A	A	-	A	A
ammonium phosphate, dibasic	A	A	-	A	A
ammonium phosphate, tribasic	A	A	-	A	C
ammonium salts	A	A	A	A	A
ammonium sulfate	A	A	A	A	A
ammonium sulfide	-	A	-	A	-
amyl acetate	D	D	D	A	C
amyl alcohol	D	A	D	A	B
amyl borate	-	B	-	A	-
amyl chloride	D	D	D	A	D
amyl chloronaphtha- lene	D	C	-	A	-
amyl naphthalene	D	D	-	A	-
anderol L 774 (di-es- ter)	D	-	-	A	-
anderol L 826 (di-es- ter)	D	D	-	A	-
anderol L 829 (di-es- ter)	D	D	-	A	-
ang-25 (glycerol ester)	B	-	-	A	-
ang-25 (di-ester base)	B	D	-	A	-
anhydrous ammonia	B	A	-	A	-
anhydrous hydrazine	-	-	-	A	-
anhydrous hydrogen fluo	-	C	-	A	-
aniline	D	A	D	A	C
aniline dyes	C	A	-	A	-
aniline hydrochloride	D	A	D	A	D
aniline oils	D	C	-	A	-
animal fats	B	B	-	A	-
animal oil (lard oil)	B	B	-	A	-
AN-03 grade M	B	B	-	A	-
AN-0-6	D	-	-	A	-
AN-0-366	D	-	-	A	-
AN-V V-0-366 b hy- drofluid	D	D	-	A	-
ansul ether	D	D	-	A	-
aqua regia	D	C	B	A	B
argon	B	A	-	A	-
aroclor 1248	B	D	-	A	-
aroclor 1254	C	D	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
arsenic acid	A	A	C	A	B
arsenic trichloride	-	B	-	A	-
askatel	D	D	-	A	-
asphalt	D	C	-	A	A
ASTM oil #1	A	C	D	A	-
ASTM oil #2	D	D	D	A	-
ASTM oil #3	C	D	D	A	-
ASTM oil #4	D	D	-	A	-
ASTM reference fuel A	D	C	-	A	-
ASTM reference fuel B	D	C	-	A	-
ASTM reference fuel C	D	C	-	A	-
ATL-B57	D	-	-	A	-
atlantic dominion F	D	C	-	A	-
aurex 903R mobil	D	-	-	A	-
automatic transmis- sion fluid	D	D	-	A	-
automotive brake fluid	C	-	-	A	-
B					
bardol B	D	D	-	A	-
barium chloride	A	A	-	A	A
barium hydroxide	A	A	A	A	B
barium salts	A	-	A	A	-
barium sulfate	A	A	-	A	B
barium sulfide	A	A	-	A	B
bayol D	D	D	-	A	-
beer	A	A	A	A	A
beet sugar liquors	A	A	-	A	A
benzaldehyde	D	B	D	A	A
benzene	D	D	D	A	C
benzene sulfonic acid	D	A	A	A	A
benzine	D	D	-	A	-
benzochloride	-	-	-	A	-
benzoic acid	B	A	D	A	A
benzophenone	-	-	-	A	-
benzyl alcohol	-	C	B	A	D
benzyl benzoate	-	C	-	A	-
benzyl chloride	D	C	-	A	-
black point 77	C	-	-	A	-
black sulphate liquors	B	-	-	A	-
blast furnace gas	A	A	-	A	-
bleach solution	B	B	-	A	-
borax	B	A	A	A	A
bordeaux mixture	B	A	-	A	-
boric acid	A	A	A	A	A
bores fluids (HFE)	D	D	-	A	-

A - excellent

B - good

C - insufficient

D - unsatisfactory

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
brake fluid (non petroleum)	C	A	-	A	-
bray GG-130	D	-	-	A	-
brayco 719-R (VV-H-910)	B	-	-	A	-
brayco 885 MI-LL-L-6085 A	D	-	-	A	-
brayco 910	D	-	-	A	-
bret 710	D	-	-	A	-
brine	-	A	-	A	-
brom-113	D	-	-	A	-
brom-114	D	-	-	A	-
bromine	D	C	A	A	D
bromine anhydrous	C	C	-	A	-
bromine pentafluoride	D	D	-	A	-
bromine trifluoride	D	C	-	A	-
bromine water	D	B	-	A	-
bromobenzene	D	D	-	A	-
bromochloro trifluoroethane	D	D	-	A	-
bunker oil	B	B	-	A	-
butadiene	D	D	-	A	D
butane	D	D	D	A	C
butane 2,2-dimethyl	D	-	-	A	-
butane 2,3-dimethyl	D	-	-	A	-
butanol (butyl alcohol)	B	A	B	A	B
1-butane,2-ethyl	D	-	-	A	-
butter	B	B	-	A	-
butyl acetate	D	D	D	A	C
butyl acetyl ricinoleate	-	B	-	A	-
butyl acrylate	-	D	-	A	-
butyl alcohol	B	A	-	A	-
butyl amine	B	A	-	A	C
butyl benzoate	-	C	-	A	-
butyl butyrate	-	C	-	A	-
butyl carbitol	D	C	-	A	-
butyl cellosolve	-	A	-	A	-
butyl cellosolve adipate	B	-	-	A	-
butyl ether	D	B	-	A	-
butyl oleate	-	B	-	A	-
butyl stearate	-	B	-	A	-
butylene	D	C	-	A	B
butyraldehyde	D	A	-	A	-
butyric acid	-	A	A	A	D
C					
calcine liquors	-	-	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
calcium carbonate	A	A	-	A	B
calcium chloride	A	A	-	A	B
calcium cyanide	A	-	-	A	-
calcium hydroxide	A	A	-	A	A
calcium hypochloride	-	A	-	A	-
calcium hypochlorite	B	B	-	A	A
calcium nitrate	B	A	-	A	A
calcium phosphate	A	-	-	A	-
calcium salts	B	A	A	A	-
calcium silicate	-	-	-	A	-
calcium sulfide	B	A	-	A	-
calcium sulfite	A	A	-	A	-
caliche liquors	B	-	-	A	-
cane sugar liquors	A	A	-	A	-
caproic aldehyde	B	-	-	A	-
carbanate	-	A	-	A	-
carbitol	B	A	-	A	-
carbolic acid	D	A	-	A	-
carbon bisulfide	-	D	D	A	-
carbon dioxide, dry	B	-	A	A	A
carbon dioxide, wet	B	-	A	A	A
carbon disulfide	-	D	D	A	C
carbon monoxide	A	A	A	A	A
carbon tetrachloride	D	D	B	A	D
carbonic acid	A	A	A	A	B
castor oil	A	B	C	A	-
cellosolve	D	C	D	A	B
cellosolve acetate	D	A	D	A	-
cellosolve butyl	D	C	-	A	-
celluguard	A	B	-	A	-
cellulube A60 (now fyrquel)	-	-	-	A	-
cellulube 90,100,150,220,300 and 500	A	-	-	A	-
cellutherm 2505A	-	D	-	A	-
cetate (hexadecane)	D	D	-	A	-
china wood oil (tunf oil)	D	B	-	A	-
chloroacetic acid	-	D	B	A	D
chlorodane	D	B	-	A	-
chlorexol	D	-	-	A	-
chlorinated salt brine	D	-	-	A	-
chlorinated solvents, dry	D	-	-	A	-
chlorinated solvents, wet	D	-	-	A	-
chlorine, dry	D	C	A	A	D

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
chlorine dioxide (8%CI as NAC102 in solution)	-	-	-	A	-
chlorine trifluoride	D	D	-	A	-
chloroacetone	D	B	-	A	-
chloroacetic acid	-	D	A	A	D
chlorobenzene	D	D	D	A	D
chlorobenzene (mono)	D	C	D	A	C
chlorobromo methane	D	D	D	A	A
chlorobutadiene	D	C	-	A	-
chlorododecane	D	D	-	A	-
chloroform	D	D	D	A	C
0-chloroaphtanene	D	D	-	A	-
I-chloro-I-nitro ethane	D	C	-	A	-
chlorosulfonic acid	D	B	A	A	D
chlorotoluene	D	C	-	A	-
chlorox	-	B	-	A	-
0-chlorophenol	D	C	-	A	-
chrome alum	A	-	-	A	-
chrome plating solution	B	A	-	A	-
chromic acid	C	B	A	A	D
chromic oxide 88 Wt, % aqueous solution	B	-	-	A	-
circo light process oil	D	-	-	A	-
citric acid	A	A	-	A	D
city service koolmotor-AP gear oil 140 E,P,Lube	D	-	-	A	-
city service pacemaker #2	D	-	-	A	-
city service #65,#120,#250	D	-	-	A	-
cobalt chloride	B	A	-	A	-
cobalt chloride, 2N	A	-	-	A	-
cocoanut oil	A	B	C	A	-
cod liver oil	B	C	-	A	-
coffe	A	A	-	A	-
coke oven gas	B	C	-	A	-
coliche liquors	-	B	-	A	-
convelex 10	D	D	-	A	-
coolanol (monsanto)	D	D	-	A	-
coolanol 45 (monsanto) +A269	D	D	-	A	-
copper acetate	D	A	-	A	-
copper chloride	A	C	-	A	-
copper cyanide	A	C	-	A	B
copper salts	A	-	A	A	-
copper sulfate	A	C	-	A	A
copper sulfate 10%	A	-	-	A	-

A - excellent

B - good

C - insufficient

D - unsatisfactory

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
cottonseed oil	A	B	C	A	-
creosol	D	C	D	A	D
creosote	D	B	-	A	-
creosote, coal tard	D	D	-	A	-
creosote, wood	D	D	-	A	-
creosylic acid	D	B	-	A	-
crude oil	D	C	-	A	-
cumene	D	C	-	A	-
cutting oil	D	C	-	A	-
cyclohexane	D	D	D	A	B
cyclohexanol	D	B	-	A	-
cyclohexanone	D	B	D	A	D
P-cymene	D	D	-	A	-
D					
decalin	D	D	-	A	C
decane	B	B	-	A	-
delco brake fluid	C	-	-	A	-
denatured alcohol	A	B	-	A	-
detergent solutions	A	B	-	A	D
developing fluids (photo)	A	A	-	A	A
dextrin	D	A	-	A	-
diacetone	D	C	-	A	-
diacetone alcohol	D	A	A	A	-
diazinon	D	D	-	A	-
dibenzyl ether	-	C	-	A	-
dibenzyl sebacate	C	C	-	A	-
dibromoethyl benzene	D	C	-	A	-
dibutylamine	C	B	-	A	-
dibutyl ether	D	B	-	A	-
dibutyl phthalate	B	B	C	A	-
dibutyl sebacate	B	B	-	A	-
O-dichlorobenzene	D	D	-	A	-
P-dichlorobenzene	D	D	-	A	-
dichloro-butane	D	-	-	A	-
dichloro-isopropyl ether	D	D	-	A	-
dicyclohexylamine	-	B	-	A	-
diesel oil	D	C	D	A	C
di-ester lubricant MIL-L-7808	D	D	-	A	-
di-ester synthetic lubricants	D	D	-	A	-
diethylamine	B	A	A	A	D
diethyl benzene	D	C	-	A	-
diethyl ether	D	B	-	A	-
diethyl sebacate	B	B	-	A	-
diethylene glycol	D	A	A	A	D

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
diisobutylene	D	C	-	A	-
diisooctyl sebacate	C	B	-	A	-
diisopropyl benzene	-	C	-	A	-
diisopropyl ketone	D	C	-	A	-
dimethyl aniline	-	B	-	A	-
dimethyl formamide	B	A	A	A	A
dimethyl phthalate	-	B	-	A	-
dinitro toluene	D	B	-	A	-
dioctyl phthalate	C	B	-	A	-
dioctyl sebacate	C	C	-	A	-
dioxane	D	B	D	A	C
dioxolane	D	C	-	A	-
dipentene	A	C	-	A	-
diphenyl	D	C	-	A	-
diphenyl oxides	C	C	-	A	-
dow chemical 50-4	-	-	-	A	-
dow chemical ET378	D	-	-	A	-
dow chemical ET588	-	-	-	A	-
dow corning-3	C	-	-	A	-
dow corning-4	C	-	-	A	-
dow corning-5	C	-	-	A	-
dow corning-11	C	-	-	A	-
dow corning-33	C	-	-	A	-
dow corning-44	C	-	-	A	-
dow corning-55	C	-	-	A	-
dow corning-200	C	-	-	A	-
dow corning-220	C	-	-	A	-
dow corning-510	C	-	-	A	-
dow corning-550	C	-	-	A	-
dow corning-704	-	-	-	A	-
dow corning-705	-	-	-	A	-
dow corning-710	C	-	-	A	-
dow corning-1208	C	-	-	A	-
dow corning-4050	C	-	-	A	-
dow corning-6620	C	-	-	A	-
dow corning-F60	C	-	-	A	-
dow corning-F61	B	-	-	A	-
dow corning-XF60	C	-	-	A	-
dow guard	A	-	-	A	-
dowtherm oil	B	D	-	A	-
dowtherm A or E	D	D	-	A	-
dowtherm 209.50%so-lution	C	-	-	A	-
driking water	A	-	-	A	-
dry cleaning fluids	D	D	-	A	-
DTE light oil	D	D	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
epichlorohydrin	D	B	-	A	-
epoxy resins	-	-	-	A	-
esam-6 fluid	-	B	-	A	-
esso fuel 208	B	-	-	A	-
esso golden gasoline	D	-	-	A	-
esso motor oil	D	-	-	A	-
esso transmission fluid (typeA)	D	-	-	A	-
esso WS3812 (MIL-L-7808 A)	D	-	-	A	-
esso SP90-EP lubri-cant	D	-	-	A	-
esstic 42,43	B	D	-	A	-
ethane	D	C	-	A	-
ethanol	A	A	B	A	B
ethanol amine	B	A	-	A	-
ethers	D	B	D	A	-
ethyl acetate-organic ester	B	A	D	A	-
ethyl acetoacetate	B	A	-	A	-
ethyl acrylate	B	A	-	A	-
ethyl acrylic acid	D	C	-	A	-
ethyl alcohol	B	A	-	A	B
ethyl benzene	D	D	-	A	D
ethyl benzoate	D	C	D	A	C
ethyl bromide	-	C	A	A	-
ethyl cellosolve	D	B	-	A	-
ethyl cellulose	C	A	-	A	-
ethyl chloride	D	C	A	A	C
ethyl chlorocarbonate	D	A	-	A	-
ethyl chloroformate	D	C	-	A	-
ethyl cyclopentane	D	-	-	A	-
ethyl ether	D	B	D	A	D
ethyl formate	-	A	-	A	-
ethyl hexanol	B	-	-	A	-
ethyl mercaptan	C	C	-	A	-
ethyl oxalate	D	A	-	A	-
ethyl pentachloroben-zene	D	D	-	A	-
ethyl silicate	-	A	-	A	-
ethylene	-	C	-	A	-
ethylene chloride	D	D	-	A	D
ethylene chlorohydrin	C	A	A	A	D
ethylene diamine	A	A	-	A	A
ethylene dibromide	D	C	-	A	-
ethylene dichloride	D	C	A	A	D
ethylene glycol	A	A	B	A	A
ethylene oxide	D	A	A	A	A
ethylene trichloride	D	-	-	A	-

A - excellent

B - good

C - insufficient

D - unsatisfactory

	SILICONE	TPV	TPE	FEP/PTEE	ULDPE
F					
F-60 fluid (dow corning)	D	-	-	A	-
F-61 fluid (dow corning)	D	-	-	A	-
fatty acids	C	B	B	A	D
FC-43 hetacosofluoro-tri-butylamine	A	-	-	A	-
FC75 fluorocarbon	A	-	-	A	-
ferric chloride	B	A	A	A	A
ferric nitrate	C	A	A	A	A
ferric sulfate	B	A	A	A	A
fish oil	A	B	-	A	-
fluoboric acid	-	A	A	A	A
fluorine (liquid)	D	-	-	A	-
fluorobenzene	D	C	-	A	-
fluorocarbon oils	-	D	-	A	-
fluorolube	A	-	-	A	-
fluorinated cyclic ethers	-	D	-	A	-
fluosilicic acid	-	A	A	A	-
formaldehyde	B	A	A	A	-
formic acid	B	A	A	A	D
freon,11	D	D	B	A	C
freon,12	D	D	B	A	A
freon,12&ASTM-oil#2 (50/50 mixture)	D	-	-	A	-
freon,12&SUNISO 4G (50/50 mixture)	D	-	-	A	-
freon,13	D	-	-	A	-
freon,13B1	D	-	-	A	-
freon,14	D	-	-	A	-
freon,21	D	D	-	A	-
freon,22	D	D	B	A	-
freon,22&ASTM OI-L#2D (50/50 mixture)	B	-	-	A	-
freon,31	-	-	-	A	-
freon,32	-	-	-	A	-
freon,112	D	-	-	A	-
freon,113	D	D	-	A	-
freon,114	D	D	-	A	-
freon,114B2	D	-	-	A	-
freon,115	D	D	-	A	-
feron,142b	-	-	-	A	-
freon,152a	-	-	-	A	-
freon,218	-	-	-	A	-
freon, C316	-	-	-	A	-
freon, C318	-	-	-	A	-
freon, 502	-	-	-	A	-

	SILICONE	TPV	TPE	FEP/PTEE	ULDPE
freon, MF	D	-	-	A	-
freon, TF	D	D	-	A	B
freon, TA	A	-	-	A	-
freon, TC	D	-	-	A	-
freon, TMC	C	-	-	A	-
freon, t-P35	A	-	-	A	-
freon, T-WD602	D	-	-	A	-
freon, PCA	D	-	-	A	-
fuel oil	D	D	D	A	B
fuel oil acidic	A	-	-	A	-
fuel oil #6	A	-	-	A	-
fumaric acid	B	A	-	A	-
fuming sulphuric acid (20/25% oleum)	D	-	-	A	-
furan	-	A	-	A	D
furfural	D	A	D	A	D
furfuraldehyde	D	-	-	A	-
furfural alcohol	D	C	-	A	-
furyl carbinol	D	-	-	A	-
fyrquel A60	C	-	-	A	-
fyrquel 90,100,150,220,300 500	A	-	-	A	-
G					
gallic acid	-	B	D	A	A
gasoline	D	D	D	A	-
gelatin	A	A	A	A	A
grilling brake fluid	-	-	-	A	-
glacial acetic-acid	B	-	-	A	-
glauber's salt	-	-	-	A	-
glucose	A	A	A	A	A
glue (depending on type)	A	A	A	A	A
glycerin	A	A	B	A	A
glycerol	A	A	B	A	A
glycols	A	A	-	A	-
green sulphate liquor	A	A	-	A	-
gulfcrown grease	D	-	-	A	-
gulf endurance oils	D	-	-	A	-
gulf FR fluids (emulsion)	D	-	-	A	-
gulf FRG-fluids	A	-	-	A	-
gulf FRp-fluids	A	-	-	A	-
gulf harmony oils	D	-	-	A	-
gulf high temperature grease	D	-	-	A	-
gulf lesion oils	D	-	-	A	-
gulf paraount oils	D	-	-	A	-
gulf security oils	D	-	-	A	-

	SILICONE	TPV	TPE	FEP/PTEE	ULDPE
H					
halotane	D	-	-	A	-
halowax oil	D	D	-	A	-
hannifin lube A	B	D	-	A	-
heavy water	A	B	-	A	-
HEF-2 (high energy fuel)	D	D	-	A	-
helium	A	A	-	A	-
N-heptane	D	C	D	A	B
N-hexaldehyde	B	C	-	A	-
hexane	D	D	-	A	D
N-hexane-1	D	C	-	A	-
hexyl alcohol	B	B	-	A	-
high viscosity lubricant U14	A	-	-	A	-
high viscosity lubricant H2	A	-	-	A	-
hilo MS #1	C	-	-	A	-
houghto-safe271 (water and glycol base)	B	A	-	A	-
houghto-safe 620(water/glycol)	B	A	-	A	-
houthto-safe 1010 phosphate ester	C	A	-	A	-
houghto-safe 1055 phosphate ester	C	A	-	A	-
houghto-safe 1120 phosphate ester	C	A	-	A	-
houghto-safe 5040 (water/oil emulsion)	C	D	-	A	-
hydraulic oil (petroleum base)	C	D	-	A	C
hydrazine	C	A	D	A	D
hydrobromic acid	D	B	A	A	B
hydrobromic acid 40%	D	-	A	A	-
hydrocarbons (saturated)	D	-	-	A	-
hydrochloric acid hot 37%	D	B	A	A	-
hydrochloric acid cold 37%	B	B	A	A	-
hydrochloric acid 3 M	D	-	-	A	-
hydrochloric acid concentrated	D	-	-	A	-
hydrocyanic acid	C	B	B	A	A
hydro-drive, MIH-50 (petroleum base)	B	-	-	A	-
hydro-drive, MIH-10 (petroleum base)	B	-	-	A	-
hydrofluoric acid, 65% max.cold	D	-	-	A	-
hydrofluoric acid, 65% min.cold	D	-	-	A	-
hydrofluoric acid, 65% max.hot	D	-	-	A	-

A - excellent

B - good

C - insufficient

D - unsatisfactory

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
hydrofluosilicic acid	D	B	-	A	B
hydrogen gas	C	A	A	A	A
hydrogen peroxide	A	A	A	A	-
hydrogen 90%	B	-	D	A	-
hydrogen sulfide, dry	C	A	A	A	A
hydrogen sulfide, wet	C	A	A	A	A
hydrolube -water/ ethylene glycol	B	A	-	A	-
hydroquinone	-	A	B	A	A
hydyne	D	D	-	A	-
hyjet	-	-	-	A	-
hyjet III	-	-	-	A	-
hyjet S	-	-	-	A	-
hyjet W	-	-	-	A	-
hypochlorous acid	-	-	-	A	-
I					
industron FF44	D	-	-	A	-
industron FF48	D	-	-	A	-
industron FF53	D	-	-	A	-
industron FF80	D	-	-	A	-
iodine	-	A	C	A	A
iodine pentafluoride	D	D	C	A	-
iodoform	-	B	-	A	-
isobutyl alcohol	A	A	C	A	A
iso-butyl N-butyrade	-	-	-	A	-
isododecane	-	-	-	A	-
iso-octane	D	D	D	A	-
isophorone (ketone)	D	B	-	A	-
isopropanol	A	B	-	A	A
isopropyl acetate	D	B	D	A	B
isopropyl alcohol	A	A	C	A	A
isopropyl chloride	D	C	-	A	-
isopropyl ether	D	C	D	A	B
J					
JP 3 (MIL-J-5624)	D	C	-	A	-
JP 4 (MIL-J-5624)	D	D	-	A	-
JP 5 (MIL-J-5624)	D	C	-	A	-
JP 6 (MIL-J-25656)	D	C	-	A	-
JP X (MIL-J-25604)	D	C	-	A	-
K					
kel F liquid	A	-	-	A	-
kerosene	D	D	D	A	C
keystone #87HX-grease	D	-	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
L					
lactams-amino acids	-	-	-	A	-
lactic acid	A	A	B	A	A
lacquers	D	C	-	A	A
lacquer solvents	D	D	D	A	-
lard, animals fats	B	B	C	A	-
lavender oil	D	C	-	A	-
lead acetate	D	A	A	A	A
lead nitrate	B	A	-	A	A
lead sulfamate	B	A	-	A	A
lehig x 1169	D	-	-	A	-
lehig x 1170	D	-	-	A	-
light greas	D	-	-	A	-
ligroin (petroleum ether or benzine)	D	B	-	A	A
lime bleach	B	A	-	A	A
lime sulphur	A	B	-	A	-
lindol, hydraulic fluid (phosphate ester type)	C	A	-	A	-
linoleic acid	B	C	C	A	A
linseed oil	A	C	D	A	-
liquid oxygen	D	-	-	A	-
liquid petroleum gas (LPG)	C	D	-	A	-
liquimoly	D	-	-	A	-
lubricating oils, di-ester	D	D	-	A	D
lubricating oils, petro- leum base	D	D	D	A	D
lye solutions	B	B	-	A	D
M					
magnesium chloride	A	A	A	A	A
magnesium hydroxyde	-	A	A	A	-
magnesium sulfate	A	A	A	A	A
magnesium sulfite	A	A	-	A	-
magnesium salt	A	A	-	A	-
malathion	D	-	-	A	-
maleic acid	-	A	A	A	B
maleic anhydride	-	A	-	A	D
malicacid	B	A	A	A	-
MCS312	A	-	-	A	-
MCS352	C	-	-	A	-
MCS463	C	-	-	A	-
mercuric chloride	-	A	A	A	A
mercury	-	A	A	A	A
mercury vapor	-	A	-	A	-
mesityl oxide (ketone)	D	C	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
methyl acetate	D	A	D	A	D
methyl acetoacetate	B	A	-	A	-
methyl acrylate	D	D	-	A	-
methylacrylic acid	D	A	-	A	-
methyl alcohol	A	A	A	A	-
methyl benzoate	D	-	-	A	-
methyl bromide	-	C	D	A	C
methyl butyl ketone	D	C	-	A	-
methyl carbonate	D	D	-	A	-
methyl cellosolve	D	A	-	A	-
methyl cellulose	B	-	-	A	-
methyl chloride	D	B	A	A	C
methyl chloroformate	D	-	-	A	-
methyl D-bromide	D	-	-	A	-
methyl cyclopentane	D	C	-	A	-
methylene chloride	D	C	-	A	D
methylene dichloride	D	-	-	A	-
methyl ether	A	-	-	A	-
methyl ethyl ketone (MEK)	D	D	-	A	D
methyl ethyl ketone peroxyde	B	-	-	A	-
methyl format	B	B	-	A	-
methyl isobutyl ketone (MIBK)	D	C	D	A	C
methyl isopropyl ketone	D	C	-	A	D
methyl methacrylic	C	B	-	A	-
methyl oleate	-	C	-	A	-
methyl salicylate	-	B	-	A	-
milk	A	A	A	A	A
mineral oils	B	D	B	A	-
mobil 24 DTE	D	-	-	A	-
mobil HF	-	-	-	A	-
mobil delvac 1100,1110,1130	D	-	-	A	-
mobil nyvac 20 and 30	A	-	-	A	-
mobil velocite C	D	-	-	A	-
mobilgas wa 200, type A automatic trans. Fluid	D	-	-	A	-
mobil oil SAE20	D	-	-	A	-
mobiltherm 600	D	-	-	A	-
mobilux	D	-	-	A	-
mono bromobenzene	D	-	-	A	-
mono chlorobenzene	D	D	-	A	-
monoethanolamine	B	A	B	A	C
monomethyl aniline	-	B	-	A	-
monomethylether	-	C	-	A	-
monomethyl hydrazine	D	-	-	A	-

A - excellent

B - good

C - insufficient

D - unsatisfactory

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
monotoluene & dinitrotoluene(40-60mix)	D	-	-	A	-
monovinyl acethylene	B	-	-	A	-
mopar brake fluid	C	-	-	A	-
mustard gas	A	A	-	A	-
N					
naphtha	D	C	D	A	A
naphthalene	D	C	D	A	C
napthenic	D	B	-	A	-
natural gas	A	B	D	A	A
neatsfoot oil	B	B	-	A	-
neon	A	A	-	A	-
neville acid	D	A	-	A	-
nickel acetate	D	A	-	A	-
nickel chloride	A	A	A	A	A
nickel salts	A	A	A	A	-
nickel sulfate	A	A	A	A	A
niter cake	A	A	-	A	-
nitric acid 3 M	D	-	-	A	-
nitric acid concentrated	D	C	-	A	C
nitric acid dilute	B	-	A	A	C
nitric acid red fuming (RFNA)	D	D	-	A	-
nitric acid inhibited red fuming (IRFNA)	D	D	-	A	-
nitrobenzene	D	D	D	A	C
nitrobenzine	-	-	-	A	-
nitroethane	D	A	-	A	-
nitrogene	A	A	-	A	-
nitrogene (textroside) (N204)	D	D	-	A	-
nitromethane	D	A	D	A	A
nitropropane	D	B	-	A	-
O					
o-a-548 A	B	-	-	A	-
o-t-634b	D	-	-	A	-
octachlorotoluene	D	-	-	A	-
octadecane	D	B	-	A	-
N-octane	D	D	-	A	-
octyl alcohol	D	B	-	A	-
oleic acid	-	C	B	A	C
oleum (fuming sulfuric acid)	D	D	-	A	-
oleum spirits	D	D	-	A	-
olive oil	D	B	-	A	A
oronite 8200	D	-	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
oronite 8515	D	-	-	A	-
ortho-chloroethylbenzene	D	-	-	A	-
ortho-dichlorobenzene	D	D	-	A	-
os45 type III (os54)	D	-	-	A	-
os45 type IV (os45)	D	-	-	A	-
OS70	D	-	-	A	-
oxalic acid	B	A	A	A	A
oxygen, cold	A	-	A	A	-
oxygen, cold 200-400°F	B	-	-	A	-
ozone	A	A	A	A	C
P					
p-s-66 Ib	D	-	-	A	-
p-d-680	D	-	-	A	-
paint thinner duco	D	C	-	A	-
palmitic acid	D	B	-	A	-
para-dichlorobenzene	D	C	-	A	-
par-al-keton	D	-	-	A	-
parker o lube	B	-	-	A	-
peanut oil	A	B	-	A	-
pentane 2 methyl	D	-	-	A	-
pentane, 2-4 dimethyl	D	-	-	A	-
pentane, 3 dimethyl	D	-	-	A	-
N-pentane	D	-	-	A	D
perchloric acid	D	A	A	A	B
perchloroethylene	D	D	B	A	D
petroleum oil, crude	D	C	-	A	C
petroleum oil, below 250°F B	B	-	-	-	-
petroleum oil, above 250°F	D	-	-	A	-
phenol	D	C	D	A	D
phenol, 70%/30%H2O	D	-	D	A	-
phenol, 85%/15%H2O	D	-	D	A	-
phenylbenzene	D	C	-	A	-
phenyl ethy ether	D	-	-	A	-
phenyl hydrazine	-	B	-	A	-
phorone	D	B	-	A	-
phosphoric acid 20%	B	A	A	A	A
phosphoric acid 45%	D	C	A	A	B
phosphoric acid 3 M	B	-	-	A	-
phosphoric acid concentrated	C	-	-	A	-
phosphorus trichloride	-	B	B	A	B
pickling solution	D	A	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
picric acid H2O solution	D	A	-	A	A
picric acid molten	D	B	-	A	D
pinene	D	D	-	A	-
pine oil	D	D	-	A	D
piperidine	D	B	-	A	-
plating solutions, chrome	D	A	B	A	-
plating solutions, other	D	A	B	A	-
pneumatic service	D	-	-	A	-
polyvinyl acetate emulsion	D	A	-	A	-
potassium acetate	D	A	-	A	-
potassium chloride	A	A	-	A	A
potassium cupro cyanide	A	A	-	A	-
potassium cyanide	A	A	A	A	A
potassium dichromate	A	A	-	A	A
potassium hydroxide	C	A	A	A	A
potassium nitrate	A	A	-	A	A
potassium salts	A	-	A	A	-
potassium sulfate	A	A	-	A	A
potassium sulfite	A	-	-	A	-
prestone antifreeze	A	A	-	A	-
PRL-high temp.hydr.oil	B	-	-	A	-
producer gas	B	D	-	A	-
propane	D	D	A	A	C
propane propionitrile	D	-	-	A	-
propyl acetate	D	B	-	A	-
N-propyl acetone	D	-	-	A	-
propyl alcohol	A	A	C	A	-
propyl nitrate	D	B	-	A	-
S					
shell diala	D	-	-	A	-
shell iris 905	D	-	-	A	-
shell iris 3XF mine fluid (fire resist.hydr.)	-	-	-	A	-
shell iris tellus #2 pet. base	D	-	-	A	-
shell iris tellus #33	D	-	-	A	-
shell iris tellus UMF (5% aromatic)	D	-	-	A	-
shell Lo hydrax 27 & 29	D	-	-	A	-
shell macoma 72	D	-	-	A	-
silicate esters	D	A	-	A	-
silicone greases	C	B	-	A	-
silicone oils	C	C	B	A	B

A - excellent

B - good

C - insufficient

D - unsatisfactory

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
silver nitrate	A	A	A	A	A
sinclair,opaline CX-EP-Lube	D	-	-	A	-
skelly,solvent B,C,E	-	-	-	A	-
skydrol 500	C	-	-	A	C
skydrol 7000	C	B	-	A	-
soap solution	A	A	A	A	D
socony mobile type A	D	-	-	A	-
socony vacuum AMV AC781 (grease)	D	-	-	A	-
socony vacuum PD959B	D	-	-	A	-
soda ash	A	A	-	A	-
sodium acetate	D	A	-	A	A
sodium bicarbonate (baking soda)	A	A	A	A	A
sodium bisulfite	A	A	B	A	A
sodium borate	A	A	B	A	A
sodium carbonate (sodium ash)	A	A	A	A	A
sodium chloride	A	A	A	A	A
sodium cyanide	A	A	A	A	A
sodium hydroxide	B	A	C	A	-
sodium hydrochlorite	B	B	-	A	-
sodium metaphospate	-	-	-	A	-
sodium nitrate	D	A	A	A	A
sodium perborate	B	A	-	A	A
sodium peroxide	D	A	-	A	A
sodium phosphate (mono)	D	A	-	A	A
sodium phosphate (dibasic)	D	A	-	A	A
sodium phosphat (tribasic)	A	A	-	A	A
sodium salts	A	-	A	A	-
sodium silicate	-	A	A	A	A
sodium sulphate	A	A	-	A	-
sodium sulphide	A	A	A	A	-
sodium sulphite	A	A	A	A	-
sodium trisulfate	A	-	-	A	-
sovasol #1, 2 & 3	D	-	-	A	-
sovalsol # 73 & 74	D	-	-	A	-
soybean oil	A	B	-	A	-
spry	A	-	-	A	-
SR-6 fuel	D	-	-	A	-
SR-10 fuel	D	-	-	A	-
standard oil mobilube GX90-EP lube	D	-	-	A	-
stannic chloride	B	A	-	A	A
stannic chloride 50%	B	-	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
stannous chloride	B	A	-	A	B
stauffer 7700	D	-	-	A	-
steam, below 350°F	D	-	-	A	-
steam, above 350°F	D	-	-	A	-
stearic acid	B	A	A	A	B
stoddard solvent	D	D	-	A	C
T					
TT-S-735,type II	D	-	-	A	-
TT-S-735,type III	D	-	-	A	-
TT-S-735,type IV	C	-	-	A	-
TT-S-735,type V	C	-	-	A	-
TT-S-735,type VI	C	-	-	A	-
TT-T-656b	D	-	-	A	-
tannic acid	B	A	A	A	B
tannic acid 10%	B	-	-	A	-
tar bituminous	B	D	-	A	-
tartaric acid	A	A	A	A	A
terpineol	-	B	-	A	-
tertiary butyl alcohol	B	A	-	A	-
tertiary butyl catechol	-	B	-	A	-
tertiary butyl mercaptan	D	B	-	A	-
tetrabromomethane	D	D	-	A	-
tertabutyl titanate	-	B	-	A	-
tetrachloroethylene	-	D	-	A	B
tetraethyl lead	-	C	-	A	-
"tetraethyl lead" blend	-	-	-	A	-
tetrahydrofuran	-	C	-	A	C
tetralin	D	C	-	A	-
texaco 3450 gear oil	D	-	-	A	-
texaco capella A & AA	D	-	-	A	-
texaco meropa #3	D	-	-	A	-
texaco regal B	D	-	-	A	-
texaco uni-ttemp grease	B	-	-	A	-
texamatic "A" trans.oil	D	-	-	A	-
texamatic 1581 fluid	D	-	-	A	-
texamatic 3401 fluid	D	-	-	A	-
texamatic 3525 fluid	D	-	-	A	-
texamatic 3528 fluid	D	-	-	A	-
texas 1500 oil	B	-	-	A	-
thiodol TP-90B	-	-	-	A	-
thiodol TP-95	-	-	-	A	-
thionyl chloride	-	-	-	A	D
tidewater oil-beedol	B	-	-	A	-

	SILICONE	TPV	TPE	FEP/PTFE	ULDPE
tidewater oil multi-gear 140, EP lube	-	-	-	A	-
titanium tetrachloride	-	B	-	A	-
toluene	-	D	D	A	C
toluene discocyanids	-	B	-	A	-
transformer oil	B	D	-	A	-
transmission fluid type A	B	C	-	A	-
triacetin	-	A	-	A	-
triaryl phosphate	C	B	-	A	-
tributoxyethyl phosphate	-	B	-	A	-
tributyl mercaptan	D	B	-	A	-
tributyl phosphate	-	A	-	A	-
trichloroacetic acid	-	B	A	A	-
trichloroethane	D	B	D	A	-
trichloroethylene	D	B	D	A	D
tricresyl phosphate	C	A	B	A	-
triethanol amine	-	A	D	A	-
triethyl aluminium	-	B	-	A	-
triethyl borane	-	B	-	A	-
trifluoroethane	D	-	-	A	-
trinitroluene	-	A	-	A	-
trioctyl phosphate	C	B	-	A	-
tripoly phosphate	C	-	-	A	-
tung oil (china wood oil)	D	B	-	A	D
X					
xylene	D	D	D	A	B
syllidepenes-mixed-aromatic amines	D	-	-	A	-
xylol	D	-	-	A	-
xenon	A	A	-	A	-
Z					
zeolites	-	A	-	A	-
zinc aceate	D	A	-	A	-
zinc chloride	-	A	A	A	A
zinc salts	A	A	A	A	-
zinc sulfate	A	A	-	A	A
zinc salts	A	A	A	A	-
zinc sulfate	A	A	-	A	A