

## Chemical Resistance Information:

The Shurflo "Chemical Compatibility Chart" is based on a variety of information, comprised from our material suppliers' information, Engineering Lab Test Data, actual Field Test results and some generally published engineering data. This guide is believed to be accurate, but due to the many variables which may affect the compatibility of materials, this information should be considered as a guide only. Actual decisions on material selection need to be thoroughly tested and evaluated by the customer for each specific application. It is the full responsibility of the customer to perform and evaluate the compatibility of materials for their requirements. Non-chemical compatibility is excluded from the standard Shurflo Limited Warranty. All recommendations are based on ambient temperatures unless otherwise noted.

### RATINGS GUIDE

- A- EXCELLENT**    *(No effect)*
- B - GOOD**    - - - - -    *(Little to no effect)*
- C - FAIR**    - - - - -    *(Moderate effect)*
- D - NOT RECOMMENDED**    *(Severe effect)*

To help assist you with the proper selection of a pump for your application Shurflo has also included an "Application Specification Guide", Form MS-020-005 (Rev. 2/03). This guide will provide us with the system information we will need to properly spec the right pump for your applications. Please try to complete all sections of this form in as much detail as possible. If you need assistance or have any questions regarding this form, please give us a call at (800) 854-3218 and ask for one of our Application Engineers. They will be happy to assist in any way they can.

									METALS			PLASTICS							
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTFRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Abietic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Absolut Alcohol *	A	A	A	-	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-
Acetaldehyde	D	B	D	B	-	-	-	-	C	A	A	A	B	A	A	-	A	D	A
Acetamide	C	A	A	B	-	-	-	-	C	A	B	A	A	A	-	-	A	-	A
Acetanilide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetate Solvents	D	A	C	C	-	-	-	-	-	-	A	A	B	A	-	-	-	-	A
Acetic Acid	B	A	C	C	-	-	-	-	-	-	D	B	B	D	-	-	D	D	A
Acetic Acid, 10%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetic Acid, 20%	B	A	B	B	-	-	-	-	-	-	B	A	A	D	-	-	C	C	A
Acetic Acid, 30%	C	A	B	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-
Acetic Acid, 80%	B	A	C	B	-	-	-	-	-	-	D	B	A	D	-	-	D	D	A
Acetic Acid, Glacial	D	B	C	B	-	-	-	-	-	-	C	A	A	B	-	-	D	D	A
Acetic Anhydride	D	B	D	C	-	-	-	-	-	-	B	A	B	A	-	-	D	C	A
Acetoacetic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	D	A	D	D	-	-	-	-	-	-	A	A	A	A	-	-	A	D	A
Acetone Cyanohydrin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetonitrile	A	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenetidin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	D	A	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetyl Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetyl Bromide	-	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-
Acetyl Chloride	A	D	D	C	-	-	-	-	-	-	A	A	D	B	-	-	D	D	A
Acetylsalicylic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetyl-o-Toluidine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetylacetone	D	A	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetylene	A	A	B	B	-	-	-	-	-	-	A	A	A	A	-	-	A	-	A
Acetylene Tetrabromide	A	A	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aconitic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acridine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrolein	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylic Acid	D	C	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	D	D	D	D	A	A	A	-	-	-	A	A	A	A	-	-	-	D	-
Adipic Acid	B	B	B	-	-	-	-	-	-	-	A	A	B	-	-	-	-	-	-
Aero Lubriplate	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aero Shell 17 Grease	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aero Shell 1AC Grease	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aero Shell 750	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aero Shell 7A Grease	A	D	B	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AEROSAFE 2300	D	A	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AEROSAFE 2300W	D	A	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aerozene 50 (50%Hydrazine, 50%UDMH)	D	A	C	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air, Below 200° F	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcohol: Absolut *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcohol: Amyl	A	A	B	D	-	-	-	-	-	-	A	A	B	A	-	-	A	A	A
Alcohol: Benzyl	A	B	D	B	-	-	-	-	-	-	B	B	A	B	-	-	A	D	A
Alcohol: Butyl	A	A	C	B	-	-	-	-	-	-	A	A	A	D	-	-	A	A	A















	METALS												PLASTICS						
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTFRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Butyl Amine	D	D	C	D	-	-	-	-	-	-	-	A	B	A	-	-	C	-	D
Butyl Benzoate	A	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Benzyl Phthalate (BBP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Butyrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl CARBITOL	A	A	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl CELLOSOLVE	D	B	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl CELLOSOLVE Acetate	B	B	D	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl CELLOSOLVE Adipate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Ether	D	C	C	D	-	-	-	-	-	-	-	A	D	A	-	-	D	-	A
Butyl Lactate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Laurate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Oleate	A	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Phthalate	C	B	D	A	-	-	-	-	-	-	B	B	B	A	-	-	-	-	A
Butyl Stearate	A	D	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylene	A	D	B	D	-	-	-	-	-	-	A	A	-	B	-	-	A	-	A
Butyraldehyde	D	B	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyric Acid	B	B	D	D	-	-	-	-	-	-	B	B	B	C	-	-	A	D	A
Butyric Anhydride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyrolactone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyroyl Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Cyanide	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Nitrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Oxide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Sulfate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Sulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcine Liquors	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Acetate	D	A	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Arsenate	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Bisulfide	A	C	A	C	-	-	-	-	-	-	B	B	A	A	-	-	D	-	-
Calcium Bisulfite	A	D	A	B	-	-	-	-	-	-	B	A	A	A	-	-	D	-	A
Calcium Bromide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Carbide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Carbonate	A	A	A	A	-	-	-	-	-	-	A	B	A	A	-	-	A	-	-
Calcium Chlorate	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-
Calcium Chloride	A	A	A	A	A	A	A	-	-	-	C	B	A	A	-	-	D	B	A
Calcium Chromate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Cyanamide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Cyanide	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Gluconate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Hydride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Hydrogen Sulfite	A	D	D	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Hydrosulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium Hydroxide	A	A	A	A	-	-	-	-	-	-	B	B	A	A	-	-	D	-	A
Calcium Hypochlorite	A	A	C	B	-	-	-	-	-	-	C	B	A	D	-	-	D	-	A







	METALS										PLASTICS								
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
City Service Kool Motor Oil No.140	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City Service Pacemaker No.2	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clean-R-Carb *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLOROX	A	B	D	B	-	-	-	-	-	A	A	D	A	-	-	D	B	D	
Clove Oil	A	-	A	-	-	-	-	-	-	A	A	-	-	-	-	-	-	-	
Coal Tar	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cobalt Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cobex Herbicide *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cobaltous Acetate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cobaltous Bromide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cobaltous Chloride	A	A	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cobaltous Linoleate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cobaltous Sulfate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coca-Cola *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coca-Cola, Syrup *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coconut Oil	A	D	A	A	-	-	-	-	-	A	A	A	-	-	-	A	A	-	
Cod Liver Oil	A	A	A	B	-	-	-	-	-	A	A	A	-	-	-	B	A	-	
Coffee	A	A	A	A	-	-	-	-	-	A	A	A	A	-	-	A	-	-	
Coke Oven Gas	A	D	D	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONVELEX 10	A	C	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COOLANOL	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Copper Acetate	D	A	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Copper Carbonate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Copper Chloride	A	A	A	A	-	-	-	-	-	D	D	A	D	-	-	A	A	A	
Copper Cyanide	A	A	A	A	-	-	-	-	-	B	B	A	D	-	-	A	-	A	
Copper Fluoborate	A	-	B	-	-	-	-	-	-	D	D	-	-	-	-	B	-	-	
Copper Gluconate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Copper Naphthenate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Copper Nitrate	A	B	B	-	-	-	-	-	-	A	A	A	D	-	-	A	-	A	
Copper Salts	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Copper Sulfate	A	A	A	A	-	-	-	-	-	B	B	A	D	-	-	D	-	A	
Corn Oil	B	C	B	A	-	-	-	-	-	A	A	A	A	-	-	A	B	-	
Cotton Seed Oil	A	D	A	A	-	-	-	-	-	A	A	A	B	-	-	A	A	A	
Cream	A	-	A	-	-	-	-	-	-	A	A	A	A	-	-	A	-	-	
Creosote (Coal Tar)	A	D	C	D	-	-	-	-	-	B	B	C	D	-	-	D	-	-	
Cresols	A	D	D	D	-	-	-	-	-	A	A	D	D	-	-	D	D	A	
Cresol (Methyl Phenol)	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cresylic Acids	A	D	D	D	-	-	-	-	-	A	A	A	D	-	-	D	-	-	
Crotonaldehyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Crotonic Acid	D	B	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Crude Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Crude Oil (Asphalt Base)	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cumene	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cumene Hydroperoxide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cuminic Aldehyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cupric Acid	A	A	B	A	-	-	-	-	-	D	B	A	D	-	-	-	-	A	









	METALS											PLASTICS							
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTFRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Dow Corning 1208,4050,6620,F-60,Xf-60	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dow Corning 3,4,11	A	A	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dow Corning 5,33,44,200,220,510,550,705,710	A	A	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dow Corning 55	A	A	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dow Corning F-61	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOW GUARD	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dow Penelube *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWTHERM 209	C	A	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWTHERM A	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWTHERM E	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drinking Water	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dry Cleaning Fluids	A	D	C	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DTE Light Oil	A	D	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dyes	A	-	-	-	-	-	-	-	-	A	A	-	A	-	-	C	-	-	-
E10, 90% Reference Fuel C 10% Ethanol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EDTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EDTA, di-calcium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EDTA, di-sodium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELCO 28 EP Lubricant	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Embalming Fluid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epichlorohydrin	D	B	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epoxy Resins	D	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epson Salts	A	A	A	A	-	-	-	-	-	A	B	A	A	-	-	B	B	A	-
Eradicane Herbicide *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Erucic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Esam-6 Fluid	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSO Fuel 208	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSO Golden Gasoline	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSO Motor Oil	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSO Transmission Fluid, Type A	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSO WS2812 (MIL-L-7808A)	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSO XP90-EP Lubricant	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSTIC 42,43	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethane	A	D	A	D	-	-	-	-	-	A	A	D	D	-	-	A	-	-	-
Ethanethiol+D30	B	C	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	A	A	C	B	-	-	-	-	-	A	A	A	A	-	-	A	B	-	-
Ethanolamine (MEA)	D	B	C	B	-	-	-	-	-	A	A	D	A	-	-	D	-	A	-
Ether	D	D	D	D	-	-	-	-	-	A	A	D	A	-	-	A	D	A	-
Ethyl Acetate	D	B	D	B	-	-	-	-	-	B	B	A	A	-	-	A	D	-	-
Ethyl Acetoacetate	D	B	D	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acrylate	D	B	D	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acrylic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Alcohol (Ethanol)	C	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Aluminum Dichloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Benzene	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Benzoate	A	D	D	D	-	-	-	-	-	-	-	B	-	-	-	-	D	-	-









	METALS										PLASTICS								
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Hexaethyl Tetraphosphate (HETP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexafluoroethane (FC 116)	B	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethyldisilazane (HMDS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylenediamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylenetetramine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane	A	D	A	D	-	-	-	-	-	A	A	B	B	-	-	A	D	A	
Hexyl Acetate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexyl Alcohol	A	C	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexylene Glycol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexylresorcinol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
High Aniline-point Oils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
High Viscosity Lubricant H2	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
High Viscosity Lubricant U4	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Honey	A	A	A	A	-	-	-	-	-	A	A	A	A	-	-	A	-	-	
Houghto-safe 620 *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydraulic Oils (Petroleum, Aircraft)	A	D	A	B	-	-	-	-	-	A	A	D	A	-	-	B	-	D	
Hydraulic Oils (Phosphate Ester) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydraulic Oils (Synthetic Base)	A	A	D	B	-	-	-	-	-	A	A	D	A	-	-	-	-	-	
Hydrazine	C	A	B	C	-	-	-	-	-	A	A	C	-	-	-	B	-	-	
Hydrazine Dihydrochloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrazine Hydrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydriodic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrobromic Acid	A	A	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrobromic Acid 100%	A	A	D	D	-	-	-	-	-	D	D	C	D	-	-	D	B	A	
Hydrobromic Acid 20%	A	A	D	D	-	-	-	-	-	D	D	A	D	-	-	C	-	-	
Hydrochloric Acid, 20%	A	A	-	D	-	-	-	-	-	D	D	B	D	-	-	C	A	D	
Hydrochloric Acid, 37%	A	C	B	B	-	-	-	-	-	D	D	C	D	-	-	C	A	-	
Hydrochloric Acid (37%) (Hot)	A	C	D	C	A	A	A	-	-	-	-	-	-	-	-	-	-	D	
Hydrochloric Acid, Conc.	A	C	C	D	-	-	-	-	-	D	D	B	D	-	-	C	-	D	
Hydrocyanic Acid	A	B	B	C	-	-	-	-	-	B	A	A	B	-	-	B	B	B	
Hydrofluoric Acid 20%	A	D	D	D	-	-	-	-	-	D	D	A	C	-	-	D	C	A	
Hydrofluoric Acid (49%)	B	D	D	D	-	-	-	-	-	D	D	A	D	-	-	D	C	A	
Hydrofluoric Acid 75%	B	C	D	D	-	-	-	-	-	D	D	C	D	-	-	D	C	B	
Hydrofluoric Acid, Anhydrous	A	C	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrofluoric Acid, Conc. (Hot)	C	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrofluosilicic Acid	A	A	B	D	-	-	-	-	-	D	D	A	D	-	-	A	-	A	
Hydrofluosilicic Acid	A	A	A	D	-	-	-	-	-	C	B	A	D	-	-	B	-	A	
Hydrogen	A	A	A	C	-	-	-	-	-	A	A	A	A	-	-	-	-	A	
Hydrogen Bromide, Anhydrous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrogen Chloride, Anhydrous	A	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrogen Fluoride, Anhydrous	D	B	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrogen Iodide, Anhydrous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydrogen Peroxide 10%	A	A	D	A	-	-	-	-	-	B	B	A	C	-	-	D	A	A	
Hydrogen Peroxide 36%	A	B	C	B	-	-	-	-	-	B	B	B	D	-	-	D	-	A	
Hydrogen Peroxide 50%	A	B	D	B	-	-	-	-	-	B	A	B	D	-	-	D	-	-	
Hydrogen Peroxide 100%	A	D	D	B	-	-	-	-	-	B	A	B	D	-	-	D	A	C	



















	METALS											PLASTICS							
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTFRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Oil: Cinnamon	A	-	-	-	-	-	-	-	-	A	A	D	-	-	-	D	-	-	
Oil: Circo Light Process Oil	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Citrus	A	B	B	-	-	-	-	-	-	A	A	A	A	-	-	B	D	-	
Oil: City Service Kool Motor Oil No.140	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Clove	A	-	A	-	-	-	-	-	-	A	A	-	-	-	-	-	-	-	
Oil: Coconut	A	D	A	A	-	-	-	-	-	A	A	A	-	-	-	A	A	-	
Oil: Cod Liver	A	A	A	B	-	-	-	-	-	A	A	A	-	-	-	B	A	-	
Oil: Corn	B	C	B	A	-	-	-	-	-	A	A	A	A	-	-	A	B	-	
Oil: Corn	A	D	A	A	-	-	-	-	-	A	A	A	B	-	-	A	A	A	
Oil: Creosote	A	D	C	D	-	-	-	-	-	B	B	C	D	-	-	D	-	-	
Oil: Crude	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Crude (Asphalt Base)	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Cutting	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Diesel Fuel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Diester Synthetic Lubricating Oil	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: DTE Light Oil	A	D	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: ESSO Motor Oil	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Fish	A	D	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Fluorocarbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Fuel	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Fuel Oil #6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Fuel Oil Acidic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Ginger	A	A	A	-	-	-	-	-	-	D	D	-	-	-	-	A	-	-	
Oil: GULF ENDURANCE OILS	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: HALOWAX	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: High Aniline-point Oils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Hydraulic (Petroleum, Aircraft)	A	D	A	B	-	-	-	-	-	A	A	D	A	-	-	B	-	D	
Oil: Hydraulic (Phosphate Ester) *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Hydraulic (Synthetic Base)	A	A	D	B	-	-	-	-	-	A	A	D	A	-	-	-	-	-	
Oil: JIS Lube Oil #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Lavender	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Lemon	A	D	-	-	-	-	-	-	-	A	A	-	-	-	-	D	C	-	
Oil: Linseed	A	D	A	A	-	-	-	-	-	A	A	A	A	-	-	A	-	B	
Oil: Low Aniline-point Oils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Lubricating	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Lubricating (Diester)	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Lubricating (Petroleum)	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Lubricating (SAE 10, 20, 30, 40, 50)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: MIL-S-3136 Type IV Oil, High Swell	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: MIL-S-3136 Type IV Oil, Low Swell	A	D	A	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: MIL-S-3136 Type V Oil, Medium Swell	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Mineral	A	D	A	C	-	-	-	-	-	A	A	A	A	-	-	A	A	A	
Oil: Motor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Neatsfoot	A	B	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oil: Olive	A	B	C	D	-	-	-	-	-	A	A	A	A	-	-	A	A	-	
Oil: Orange	A	-	A	D	-	-	-	-	-	A	A	A	-	-	-	D	-	-	





	METALS												PLASTICS						
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
p-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Chlorotoluene	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Cymene	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Dichlorobenzene	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Nitrobenzoic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Nitrophenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Nitrotoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Phenylenediamine	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-tert-Butylcatechol	A	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-tert-Butylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Toluidine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Tolylaldehyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paint Thinner-DUCO	B	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palmitic Acid (Hexadecanoic Acid)	A	B	A	D	-	-	-	-	-	B	A	B	A	-	-	A	A	-	-
Palm Oil	A	A	A	-	-	-	-	-	-	A	A	-	-	-	-	A	A	-	-
Par-al-Ketone	D	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Para-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paraffins	B	D	B	-	-	-	-	-	-	A	A	A	A	-	-	A	A	-	-
Paraldehyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parathion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Parker O Lube *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peanut Oil	A	D	A	A	-	-	-	-	-	A	A	D	-	-	-	A	-	-	-
Pelargonic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penicillin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentaerythritol	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentaerythritol Tetranitrate (PETN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentafluoroethane (FC 125)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2 Methyl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2-4 Dimethyl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 3 Methyl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentanol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peppermint Oil	A	-	D	-	-	-	-	-	-	A	A	-	-	-	-	D	D	-	-
Peracetic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perchloric Acid	A	B	D	D	-	-	-	-	-	C	C	C	D	-	-	C	-	-	-
Perchloroethylene	A	D	C	D	-	-	-	-	-	B	A	D	C	-	-	B	D	A	-
Petrolatum	A	C	A	D	-	-	-	-	-	A	A	D	D	-	-	B	-	-	-
Petroleum < 121 C/250 F	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum > 121 C/250 F	B	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum, Crude	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Jelly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenethyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenetole	D	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	A	C	D	D	-	-	-	-	-	B	B	B	D	-	-	D	D	A	-









	METALS												PLASTICS						
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTFRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Silicon Tetrafluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silicone Greases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silicone Oils	A	A	A	C	-	-	-	-	-	A	A	A	A	-	-	A	A	A	
Silver Bromide	-	-	-	-	-	-	-	-	-	D	D	-	-	-	-	C	-	-	
Silver Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Silver Cyanide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Silver Nitrate	A	A	B	A	-	-	-	-	-	B	B	A	A	-	-	A	B	A	
Silver Oxide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Silver Sulfate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SINCLAIR OPALINE CX-EP LUBE	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Skelly, Solvent B, C, E *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SKYDROL 500	D	A	D	C	A	A	A	-	-	-	-	-	-	-	-	-	-	-	
SKYDROL 7000	B	A	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Soap Solutions	B	A	A	A	-	-	-	-	-	A	A	A	A	-	-	A	A	A	
SOCONY PD959B VACUUM	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Soda Ash	A	A	A	A	-	-	-	-	-	A	A	A	B	-	-	A	B	A	
Sodium Abietate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Acetate	D	A	B	D	-	-	-	-	-	B	B	A	B	-	-	B	B	A	
Sodium Aluminate	A	A	A	-	-	-	-	-	-	A	A	-	A	-	-	B	-	A	
Sodium Antimonate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Arsenate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Arsenite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Benzoate	A	A	B	-	-	-	-	-	-	-	-	A	B	-	-	-	A	-	
Sodium Bicarbonate	A	A	A	A	-	-	-	-	-	A	A	A	A	-	-	A	A	A	
Sodium Bifluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Bisulfate	A	A	B	A	-	-	-	-	-	D	C	A	A	-	-	B	A	A	
Sodium Bisulfite	A	A	A	A	-	-	-	-	-	B	B	A	C	-	-	C	A	A	
Sodium Bitartrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Borate (Borax)	A	A	B	B	-	-	-	-	-	A	A	B	A	-	-	B	-	A	
Sodium Bromate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Bromide	A	A	-	-	-	-	-	-	-	C	C	-	B	-	-	A	B	-	
Sodium Carbonate	A	A	A	A	-	-	-	-	-	A	A	A	B	-	-	A	B	A	
Sodium Chlorate	A	A	B	C	-	-	-	-	-	A	B	A	D	-	-	A	A	A	
Sodium Chloride	A	A	A	A	-	-	-	-	-	B	B	A	A	-	-	A	A	A	
Sodium Chlorite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Chloroacetate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Chromate	A	-	A	-	-	-	-	-	-	B	B	-	C	-	-	D	-	A	
Sodium Citrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Cyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Cyanide	B	A	A	A	-	-	-	-	-	A	B	A	A	-	-	A	A	A	
Sodium Diacetate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Dichromate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Ethylate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Ferricyanide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium Ferrocyanide	A	A	A	-	-	-	-	-	-	B	B	A	-	-	-	A	-	-	
Sodium Fluoride	A	A	A	-	-	-	-	-	-	D	D	A	B	-	-	-	A	-	



	METALS												PLASTICS						
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTFRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Sodium Trichloroacetate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium Tripolyphosphate	B	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Molten	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOLVASOL 1, 2 & 3	A	D	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorbitol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum	A	-	A	-	-	-	-	-	-	A	A	-	A	-	-	A	-	-	
Sour Crude Oil	A	D	C	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sour Natural Gas	A	D	C	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sovasol #1, 2 and 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sovasol #73 and #74 *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soybean Oil	A	C	A	A	-	-	-	-	-	A	A	A	A	-	-	A	A	-	-
Soy Sauce	A	-	A	-	-	-	-	-	-	A	A	-	A	-	-	A	-	-	-
Sperm (Whale) Oil	A	-	A	-	-	-	-	-	-	A	A	-	-	-	-	D	A	-	-
Spry *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR6 FUEL	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Clean 1 (SC - 1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Clean 2 (SC - 2)	-	-	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stannic Chloride	A	A	A	B	-	-	-	-	-	D	D	A	B	-	-	C	-	A	-
Stannic Chloride 50%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stannic Fluoborate	A	-	A	-	-	-	-	-	-	-	A	-	-	-	-	C	-	-	-
Stannous Bromide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stannous Chloride	A	B	A	B	-	-	-	-	-	C	A	A	C	-	-	-	-	A	-
Stannous Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stannous Sulfate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Starch	A	A	A	-	-	-	-	-	-	A	A	A	A	-	-	A	-	-	-
STAUFFER 7700	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Steam < 149 C/300 F	B	A	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Steam > 149 C/300 F	D	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stearic Acid	B	B	B	B	-	-	-	-	-	B	A	A	A	-	-	A	-	-	-
Stoddard Solvent (ASTM D-484-52)	A	D	A	D	-	-	-	-	-	A	A	C	A	-	-	A	B	A	-
Strontium Acetate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strontium Carbonate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strontium Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strontium Hydroxide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strontium Nitrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene, Monomer	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Succinaldehyde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Succinic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sucrose Solution	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfamic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfanilic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate Liquors	A	A	A	B	-	-	-	-	-	B	B	A	B	-	-	D	-	-	-
Sulfite Liquors	A	B	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfolane	B	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfur Chloride	A	D	D	C	-	-	-	-	-	D	D	C	A	-	-	D	-	-	-





	METALS												PLASTICS						
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Tetramethyl ammonium hydroxide (TMAH) (25%)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXACO 3450 GEAR OIL	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXACO UNI-TEMP GREASE	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAMATIC 3525 Fluid	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THERMINOL 55	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thioglycolic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIOKOL TP-90B	A	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIOKOL TP-95	A	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thionyl Chloride	B	C	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiophene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiophosphoryl Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiourea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thokol TP-95 *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium Nitrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tidewater Oil, BEEDOL	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tin Salts	A	B	A	B	-	-	-	-	-	-	D	A	-	-	-	-	-	-	-
Titanic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium Dioxide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium Sulfate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium Tetrachloride	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TMA (Trimethylamine)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TMAH (Tetramethyl Ammonium Hydroxide)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TMAI (Trimethylaluminum)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TMB (Trimethyl Borate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TMCTS (Tetramethylcyclotetrasiloxane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TMP (Trimethyl Phosphite)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TMPO (Trimethyl Phosphate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	B	D	D	D	-	-	-	-	-	A	A	C	A	-	-	C	D	A	
Toluene Diisocyanate (TDI)	C	B	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toluenesulfonyl p-Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toluquinone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tomato Juice	A	A	A	-	-	-	-	-	-	A	A	A	A	-	-	B	B	A	
Tower FR Fluid *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Transformer Oil	A	D	A	B	-	-	-	-	-	A	A	B	A	-	-	A	-	-	
Transmission Fluid Type A	A	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Treflan Herbicide *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triacetin	D	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triallyl Phosphate	A	A	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tributoxyethyl Phosphate	A	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tributyl Citrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tributyl Mercaptan	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tributyl Phosphate	D	A	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tributylamine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichloroacetic Acid (TCA)	C	B	B	D	-	-	-	-	-	D	C	A	C	-	-	-	-	A	
Trichloroacetyl Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichloroethane	A	D	D	D	-	-	-	-	-	B	B	C	C	-	-	A	-	-	

	METALS										PLASTICS								
	VITON FKM	EPDM	BUNAN (NBR)	SILICONE	SANTOPRENE (64 Shore)	SANTOPRENE (73 Shore)	SANTOPRENE (87 Shore)	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	FORTRON	POLYSULFONE	CELCON	ABS	RYTON
CHEMICALS																			
Trichloroethylene (TCE)	A	D	D	D	D	D	D	-	-	B	B	C	C	-	-	D	D	A	
Trichlorofluoromethane (FC 11)	B	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tricloromethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorophenylsilane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorophosphate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichloropropane	A	-	D	-	-	-	-	-	-	A	A	-	-	-	-	A	D	-	
Trichlorosilane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlor, Trichloroisocyanuric Acid *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorotrifluoroethane (FC 113)	B	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tricresyl Phosphate	A	A	D	C	-	-	-	-	-	B	B	A	A	-	-	C	B	-	
Triethanolamine (TEA)	D	B	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triethyl Borate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triethyl Phosphate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triethylaluminum	C	C	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triethylamine	D	A	C	-	-	-	-	-	-	A	A	D	A	-	-	D	-	-	
Triethylborane	A	C	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triethylene Glycol (TEG)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Triethylenetetramine (TETA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trifluoroacetic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trifluoroethane (FC 143a)	A	D	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trimethyl Borate (TMB)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trimethyl Phosphate (TMPO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trimethyl Phosphite (TMP)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trimethylaluminum (TMAI)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trimethylamine (TMA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trimethylolpropane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trinitrotoluene (TNT)	B	D	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trioctyl Phosphate	B	B	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tripoly Phosphate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trisodium Phosphate	A	A	A	A	-	-	-	-	-	B	B	A	A	-	-	A	B	A	
Tritium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tung Oil (China Wood Oil)	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tungsten Hexafluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tungstic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Turbine Oil No.15 (MIL L-7808A)	A	D	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Turpentine	A	D	A	D	D	D	D	-	-	A	A	D	B	-	-	A	D	A	
Ucon glycol fluids *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UCON HYDROLUBE J-4	C	A	B	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UCON OIL LB-385, 400X	C	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UDMH (Unsymmetrical Dimethyl Hydrazine)	D	A	B	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNIVIS 40 Hydraulic Fluid	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNIVOLT NO.35 (Mineral Oil)	A	D	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UPDI (Ultra Pure Deionized Water)	A	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Uranium Hexafluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Urea	A	A	B	B	-	-	-	-	-	B	B	A	A	-	-	A	B	A	
Uric Acid	-	-	-	-	-	-	-	-	-	B	B	-	A	-	-	-	-	-	





## INDUSTRIAL PRODUCTS LIMITED WARRANTY

Shurflo Industrial Series pumps and products are warranted to be free of defects in material and workmanship under normal use, for a period of one (1) year from the date of manufacture, or one (1) year of use, with proof of purchase. This limited warranty will not exceed two (2) years, in any event.

The limited warranty will not apply to pumps/products that were improperly installed, misapplied, damaged, altered, incompatible with fluids or components not manufactured by Shurflo.

All Industrial pumps/products **must** be flushed of **any** chemicals before shipping\*. All warranty considerations are governed by Shurflo's written Return Policy.

Returns are to be shipped postage prepaid to either service center; Shurflo Cypress, CA or Elkhart, IN. Shurflo shall not be responsible for freight damage incurred during shipping. Package returns carefully.

Shurflo's obligation under this warranty policy is limited to the repair or replacement of the pump/product. All returns will be tested per Shurflo factory criteria. Products found not defective (under the terms of this limited warranty) are subject to charges paid by the returnee for the testing and packaging of "Tested Good" non-warranty returns.

No credit or labor allowances will be given for pumps or products returned as defective. Warranty replacements will be shipped on a freight allowed basis. Shurflo reserves the right to choose the method of transportation.

This limited warranty is in lieu of all other warranties, expressed or implied, and no other person is authorized to give any other warranty or assume obligation or liability on Shurflo's behalf. Shurflo shall not be liable for any labor, damage or other expense, nor shall Shurflo be liable for any indirect, incidental or consequential damages of any kind incurred by the reason of the use or sale of any defective product or part. This limited warranty covers industrial products distributed within the United States of America. Other world market areas should consult with the actual distributor for any deviation from this document.

### RETURN POLICY

All Industrial pumps/products **must** be flushed of **any** chemical (ref. OSHA Section 0910.1200 (d)(e)(f)(g)(h) and hazardous chemicals must be labeled /tagged before being shipped\* to Shurflo for service or warranty consideration. Shurflo reserves the right to request a Material Safety Data Sheet from the returnee for any pump/product it deems necessary. Shurflo reserves the right to "disposition as scrap" pumps/products returned which contain unknown fluids. Shurflo reserves the right to charge the returnee for any and all costs incurred for chemical testing, and proper disposal of components containing unknown fluids. Shurflo requests this in order to protect the environment and personnel from the hazards of handling unknown fluids.

\*Carrier, including U.S.P.S., airlines, UPS, ground freight, etc., require specific identification of any hazardous materials being shipped. Failure to do so may result in a substantial fine and/or prison term. Check with your shipping company for specific instructions.

	Date
Company _____ Address _____	
City _____ State _____ Country _____ Zip _____	
Telephone _____ Fax _____	
Requested By _____ Title _____	
Contact at SHURflo: _____	
<input type="checkbox"/> Agriculture <input type="checkbox"/> Beverage <input type="checkbox"/> General Industrial <input type="checkbox"/> Marine <input type="checkbox"/> RV <input type="checkbox"/> Soil Extraction <input type="checkbox"/> Water	

1) **Rated Voltage:**     AC     DC    Power Source:

2) **Operating Flow Rate and Pressure Requirements:**

Min. Operating Flow        @        or        @   

Max. Operating Flow        @        or        @   

3) **Type of Control:**

Demand Switch: Max Pump Shutoff Pressure       

Bypass Configuration; Max Bypass Pressure       

Manual                       Float Switch                       Solenoid                       Timer

Other:

4) **Size Requirements Max Dimensions:**

          

5) **Duty Cycle:**     Continuous     Intermittent    System on Time       

Other:

6) **System Plumbing Configuration:**

  

      

7) **Priming Requirements:** Self Prime:     Yes     No        Flooded Inlet:     Yes     No

8) **Dry Run Capabilities:**     Yes     No   

9) **Liquid to be Pumped:**

Min. Temp of Liquid            Max. Temp of Liquid       

10) **Environment:**    Ambient Temperature            Humidity   

11) **Number of Nozzles/Orifices to be used:**     Size each   

12) **Agency Approvals Required :** \_\_\_\_\_

13)     More information on back     Drawing on back

14) Please give a brief description of system and expectations of pump: \_\_\_\_\_

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**DRAWING / SKETCH**



**OFFICE USE ONLY**

Recommended Model: P/N \_\_\_\_\_ Date: \_\_\_\_\_

Recommended by (Name): \_\_\_\_\_

Sample requested:  Yes  No Shipper No. \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_



\* ISO 9001 Registered site

Visit our website @ <http://www.shurflo.com>

**SHURflo®**  
First in Fluid Innovation

*SHURflo® reserves the right to update specifications, change prices, or make substitutions without notice.*

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