



Hy-Lok

Fluid Compatibility Guide

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CONTROL SOLUTIONS
FLUID POWER **LLC**

Fluid Compatibility Guide

This guide represents the chemical resistance of the raw materials used to manufacture products by the Hy-Lok Corporation. In general, media characteristics like temperature fluctuation, concentration, high velocity and abrasion will affect corrosion rating. Before applying this guide, many factors that may affect the compatibility ratings should be considered, and users should test under their own operating conditions to determine which materials can be used.

Summary of Compatibility

- A** - Recommended
- B** - Satisfactory in most cases
- C** - Potentially unsatisfactory
- D** - Not recommended
- Blank** - No information available

Annotation

- 1** - Satisfactory to 72°F (22°C)
- 2** - Satisfactory to 120°F (48°C)

The Fluid Compatibility Guide provides a rating of compatibility of common metals and elastomers to various chemicals and compounds found in industry. The Hy-Lok Corporation Guide contains data assembled from a variety of sources within the metal and chemical industry. However, due to variations in each user application, we do not make any direct or implied warranty as to any specific use or application based upon the performance of any material in this guide. This guide is for reference only and Hy-Lok Corporation is not responsible for the accuracy of the information therein.

Summary of Abbreviation

Plastic

PTFE - Poly Tetra Fluoroethylene

PFA - Per Fluoro Alcoxypolymer

POM - Poly Oxy Methylene

PCTFE - Poly Chloro Tri Fluoroethylene

PEEK - Poly Ether Ether Ketone

PVDF - Poly Vinyli Dene Fluoride

UHMWPE - Ultra High Molecular Weight Poly Ethylene

TPE - Thermo Plastic Elastomer

Elastomer

NBR - Nitrile Butadeien Rubbers .

FPM(\liton@) - Fluorocarbon Rubbers

EPDM - Ethylene Propylene Diene Rubbers .

FFKM (Kalrez@) - Perfluoro Rubbers.

Reference

If there is some discrepant data or if you have some fluid information that is not listed in this guide, please advise us through our Sales Representatives or Technical Engineers of Hy-Lok Corporation. Your information can be referred to our next version of this guide .

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Fluid Name	Aconitic Acid	Acridine	Acrolein	Acrylic Acid	Acrylonitrile	Acrylonitrile	Adipic Acid	Aero Lubriplate	Aero Shell 17 Grease	Aero Shell 1AC Grease	Aero Shell 750	Aero Shell 7A Grease	AEROSAFE 2300	AEROSAFE 2300W	Aerocene 50 (50% Hydrazine, 50%LUDMH)	Air	Alcohols	Alcohol, Amyl	Alcohol, Benzyl	Alcohol, Butyl	Alcohol, Diacetone	Alcohol, Ethyl	Alcohol, Fatty	Alcohol, Hexyl	Alcohol, Isobutyl	Alcohol, Isopropyl	Alcohol, Methyl	Alcohol, Octyl	Alcohol, Propyl	Aldietyde Acetaldehyde	Alkanesulphonic Acid, Mixed	Alkazene	Alkyl Benzene	Alkybate, Light	Alkyl Arysulphonic Acie	Allyl, Ketone	Allyl, Chloride				
Formula	$H(COOH)_2C : C(COOH)CH_2(COOH)$	$C_{13}H_{11}N$	CH_2CHCHO	$CH_2 : CHCOOH$		C_3H_5N	$COOH(CH_2)_6COOH$																																		
Aluminum					B	B										A	B	B	B	A	B	B			B	B	B	A													
Brass					A	A										A	B	B	B	A	B	B			B	B	B	A													
Carbon Steel					A	A										A	B	B	B	A	B	B			B	B	B	B													
Alloy 600						A											A																								
Alloy 400/450(Monel®)					A	A										A	A	B	A	B	B				B	A	A	A													
Alloy 20					B											A	B	A	A	A	A	A			A	A	A	A													
Alloy C 276 (Hastelloy®)					A	B										A	B	A	A	A	A	A	A	A	A	B	A	C	A												
Titanium						A											A																								
Cast Iron					C											A	C	C	A	B	B			B	B	B	B														
316 Stainless Steel					A	A										A	A	A	A	A	B	A			B	A	A	A													
630 Stainless steel																	A																								
Carpenter 20®					B											A	B	A	A	A	A	A			A	A	A	A													
PTFE/PFA (Teflon®)				D	A	A	B	A	A	A	A	A	C	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			B						B		
Nylon					A	A										A	B	A	A	A	A	A			A		A	A													
Polyethylen(PE)																																									
POM (Delrin®)					A	C										A	A	A	A	A	A	A			A	D	A	A													
PCTFE (Kel-F®)					A																																				
PEEK					A	A										A	A	A	A	A	A	A			A	A	A	A													
PVDF				A	C	A																																			A
UHMWPE					A	A	A											B	D	A	B	B		A	A	A	A	A	A												
TPE																		A			A					A	B														
Poly Acrylate			D		D											A	D							D	D	D	D	D	D							D	A	D	D	D	
Poly Urethane			D		D											C	D							D	D	D	D	D	D							D	A	D	D		
NBR			C	B	D	D	C	A	A	A	B	B	D	D	C	A	A	C	D	B	D	A	B	A	B	C	B	B	B	D			D	D	A	C	D	A	A		
FPM (Viton®)			D	D	C	C	B	A	A	A	A	A	D	D	D	A	A	B	A	A	D	A	C	B	A	C	B	A	D			B	A	A	D	D	B				
Neoprene			C	D	D											A	A	C	B	C	B	B		A	B	A	B	B	C			D	D	C	C	A					
EPDM			A	C	D	D	B	D	D	D	D	D	A	A	A	A	A		C	B	A			A	A	A	A	A	A			D	D	D	A	A	A				
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A																	A	A							A	
Grafoil®					A											B	A		A	A	A	A			A	A	A	A													
Silicone				D	D	B	B	B	D	B	C	C	D	A	A	A	D							A	A	A	B	A	D			D	D	D	B	D					
Fluorosilicone				D	A	A	A	A	B	A	C	C	D	A	A	A	A							A	B	A	B	D	B			A	A	D	D						

Fluid Name	Ammonium Perchlorate	Ammonium Persulfate	Ammonium Phosphate Di - basic	Ammonium Phosphate	Ammonium Phosphate Tri - basic	Ammonium Phosphite	Ammonium Picrate	Ammonium Polysulfide	Ammonium Salis	Ammonium Sulfamate	Ammonium Sulfate	Ammonium Sulfide	Ammonium Sulfite	Ammonium Thiocyanate	Ammonium Thioglycollate	Ammonium Thiosulfate	Ammonium Tungstate	Ammonium Valerate	Amyl Acetate	Amyl Alcohol	Amyl Borate	Amyl Chloride	Amyl Chloronaphthalene	tert - Amyl Methyl Ether (TAME)	Amyl Naphthalene	Amyl Nitrate	Amyl Nitrite	Amyl Propionate	Amylcinnamic Aldehyde	o - sec - Amylphenol	AN - 0 - 3 Grade M	AN - 0 - 6	AN - 0 - 366	Anderol (Diesel)	ANG - 25 (Diesel Base)	ANG - 25 (Glycerol Ester)	Anderol L - 774 (MIL - L 7808 Type)			
Formula	NH_4ClO_4	$(NH_4)_2S_2O_8$	$(NH_4)_2HOP_4$	$(NH_4)_2HOP_4$	$(NH_4)_2HOP_4$	$(NH_4)_2HPO_3 : H_2O$	$C_6H_2(NO_2)_3ONH_4$	$(NH_4)_2S$	$NH_4OSO_2NH_2$	$(NH_4)_2SO_4$	$(NH_4)_2S$	$(NH_4)_2SO_3 : H_2O$	$(NH_4)_2SO_3 : H_2O$	NH_4SCN	HSC_2COONH_4	$(NH_4)_2S_2O_5$	$(NH_4)_2W_7O_{24} : 6H_2O$	$C_6H_{13}NO_2$	$CH_3COOC_6H_{11}$	$C_6H_{11}OH$							$C_6H_{11}NO_3$	$(CH_3)_2CHCH_2CH_2NO_2$	$CH_3CH_2COOC_6H_{11}$	$C_6H_5CH : C(CHO)C_6H_{11}$	$C_6H_{11}C_6H_4OH$									
Aluminum	C	B	C	C						D	C	D						B																						
Brass	C	C	D	C						C	D	C						B																						
Carbon Steel			D	D	D					C	D	C						C																						
Alloy 600										B	D							A																						
Alloy 400/450(Monel®)	D	C	C	C						B	B	D						B																						
Alloy 20	A	B	B	B						B	B	B						A																						
Alloy C 276 (Hastelloy®)	B	B	B	B						B								A	A																					
Titanium										A								A																						
Cast Iron			D	D	D					D	D	C						C																						
316 Stainless Steel	A	B	B	B						B	B	A						B																						
630 Stainless steel										B								A																						
Carpenter 20®	A	B	B	B						B	B	B						A																						
PTFE/PFA (Teflon®)	A	A	A	A						A	A	A						A	A	A	A	B			B								A	A	A	B	B	B		
Nylon	D	B	B									B																												
Polyethylen(PE)																																								
POM (Delrin®)	A	D	A	A						A	D	A						D																						
PCTFE (Kel-F®)	A	A										A						A																						
PEEK	A	A	A	A						A	C	A						A																						
PVDF	A	A						A	A				A						A																					C
UHMWPE	A	A	D	C						A	C							C	B																					
TPE			B ¹								B ¹							C ¹	A ¹																					
Poly Acrylate										D								D																					A	
Poly Urethane																			D																				D	
NBR	D	A	A	A				A		A	A	B						D	B	A	D	D			D								A	A	A	B	B	B	A	
FPM (Viton®)	B	A	A	A				C		A	D	A						D	D	A	A	A			A								A	A	A	A	A	A	A	
Neoprene	C	A	A	A						A	A	A						D																					D	
EPDM	A	A	A	A				A		A	A	B						B	A	D	D	D			D								D	D	D	D	A	D		
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®			A	A	A					A	A	A						A																						
Silicone			A	A				A										D	D																					D
Fluorosilicone	A							C										D	A																					A

Fluid Name	Formula																																			
	CeH5NH2	C6H5NH2 : HCl	CeH5OCH3	CH3OC6H4COCl	CeH4(CH)2CeH4	CeH4(NH2)(CO2H)	CeH4(CO)2CeH4	SbCl5	SbF5	Sb2(SO4)3	SbBr3	SbCl3	SbF3	Sb2O3	AN - VV - 0 - 366B Hydraulic	Apple Juice	Aqua Regia (Strong Acid)	Arachidic Acid	Argon Gas	Argon, max. +100 °C	Argon, max. +200 °C	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	Aromatic Fuels (Up to 50% Aromatic)	Aromatic Hydrocarbons (100% Aromatic)	Aromatic Solvents	Arsenic Acid	Arsenic Pentafluoride	Arsenic Trichloride	Arsenic Trioxide	Arsenic Trisulfide				
Aluminum	C	C														B	D											A	D							
Brass	D	C															C	D											A	D						
Carbon Steel	C	C					A									D	D			A	A							C	D							
Alloy 600	B																												A							
Alloy 400/450(Monel®)	B	A														A												B	D							
Alloy 20	A	A														A	B											A	B							
Alloy C 276 (Hastelloy®)	B	D														C							A					B								
Titanium	A																																			
Cast Iron	C	C														D	D											B	D							
316 Stainless Steel	B	A														B	B											A	B							
630 Stainless steel																																				
Carpenter 20®	A	A														A	B											A	B							
PTFE/PFA (Teflon®)	A	A	A	B	A		A	A				A		A	A	A	C		A	A	A	A	A	A	A	B		A		D						
Nylon																													B							
Polyethylen(PE)																																				
POM (Delrin®)	A						C									A				A	C						A									
PCTFE (Kel-F®)																																				
PEEK	A																																			
PVDF																A	C		A									A								
UHMWPE	C	D										B					B						C				C	B								
TPE	D																						C1				C1									
Poly Acrylate	D	D	D							D									B		D					B	D	C								
Poly Urethane	D	D	D							D									A							B	D	C								
NBR	D	D	D	D	A		C	C		A		B		A	A	A	D		A	A	C		C	D	A	B	D	D	A		A					
FPM (Viton®)	C	B	B	C	A		D			A		A		A	A	A	D		A				A	A	A	A	A	A		D						
Neoprene	D	B	D							A						A	D		A				D		D	D	D	A								
EPDM	B	B	C	B	B		C	C		A					A	D	B	D		A			C	B	B	D	D	D	A		D					
Kalrez®	A	A	A	A	A	A	A	A	A	A	B		A	A	A	A		A	A	A			A	A	A	A	A	A	B	A	A	A				
Grafoil®	A	A																										A	A							
Silicone	D	C	D	D	B		D			A					D		D		D				C	C	A	D	D	A								
Fluorosilicone	C	B	B	C	A		C			A					A		C		B				B	A	A	B	A	A								

Fluid Name	BAROOL B	Barium Carbonate	Barium Chlorate	Barium Chloride	Barium Cyanide	Barium Hydrate	Barium Hydroxide	Barium Iodide	Barium Nitrate	Barium Oxide	Barium Peroxide	Barium Salts	Barium Sulfate	Barium Sulfide	BAYOL 35	BAYOL D	Beer	Beer, wort	Beet Juices - Pulp	Beet Sugar Liquors	Benzaldehyde	Benzamide	Benzanthrone	Benzene	Benzene Hexachloride (BHC)	Benzene Sulfonic Acid	Benzidine	Benzil	Benzilic Acid	Benzine (Gasoline)	Benzoic Acid	Benzoin	Benzonitrile	Benzophenone	Benzotrithloride	Benzotrifluoride	Benzoyl Chloride				
Formula		BaCO ₃	Ba(ClO ₃) ₂ : HOH	BaCl ₂ : 2H ₂ O	Ba(CN) ₂	Ba(OH) ₂ : 8H ₂ O	BaI ₂ : 2H ₂ O	Ba(NO ₃) ₂	BaO	BaO ₂ : 8HOH		BaSO ₄	BaS								C ₆ H ₅ CHO	C ₆ H ₅ CONH ₂	C ₁₇ H ₁₀ O	C ₆ H ₆	C ₆ H ₆ SO ₃ H	NH ₂ (C ₆ H ₄) ₂ NH ₂	C ₆ H ₅ CO : COC ₆ H ₅	(C ₆ H ₅) ₂ C(OH)COOH	C ₆ H ₅ COOH	C ₆ H ₅ CHOHCOOC ₆ H ₅	C ₆ H ₅ CN	(C ₆ H ₅) ₂ CO	C ₆ H ₅ CCl ₃	C ₆ H ₅ F ₃	C ₆ H ₅ COCl						
Aluminum	D	D	D	D	D	D	B					D	D			A				A	A			B																	
Brass	B	B	C	D	D	D	D					C	D			B				C	A			B																	
Carbon Steel	B	C				C	B					C	C			D				B	A			B																	
Alloy 600			A			B	B					B												A																	
Alloy 400/450(Monel®)	B	B	D	B	B	B	C					B	C			A				A	B			A																	
Alloy 20	B	C	B	A	A	A	B					A	B			A				A	A			A																	
Alloy C 276 (Hastelloy®)	B	B	A			B						B										B		B		B															
Titanium	A	B				A							A											A																	
Cast Iron	B	C	C			B						C	D			D				B	C			B																	
316 Stainless Steel	B	B	B	A	B	A	A					A	B			A				A	A			B																	
630 Stainless steel			B			A										A								B																	
Carpenter 20®	B	C	B	A	A	A	A					A	B			A				A	A			A																	
PTFE/PFA (Teflon®)	B	A	A	A	A	A	A					A	A	A	A	A				A	A			A		A		A									A	C	B		
Nylon			C			B	B					B				B				B	A			A																	
Polyethylen(PE)	A	B				B	B					B	B																												
POM (Delrin®)	A	A	A	A	A	A	A					A	A			A				A	A			C																	
PCTFE (Kel-F®)																						A		A																	
PEEK	A	A	A	A	A	A	A					A	A			A				A	A			A																	
PVDF	A	A	B			D	A				A					A						C		C																	
UHMWPE	B	A	B			B	B					B	B			A										A															
TPE			B ¹			B ¹							D									B		C		B															
Poly Acrylate			D			D	D						D							D	D	D	D	D	D																
Poly Urethane			A			D	A						A							B	B	D	D	D	D																
NBR	D	B	A	C		A	A					A	A	A	A	A	A	A	A	A	A	A	D		D		D											D	D	D	
FPM (Viton®)	A	A	A	B		A	A					A	A	A	A	A	A	A	A	A	A	A	D		B		A													B	
Neoprene	A	A	B			A	B					A	A							A	A	B	B	D		D															
EPDM	D	A	A	A	B		A	A				A	B	A	D	D	A	A	A	A	A	A	A		D		D													D	
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®	A	A	A	A	A	A	B					A	A									A	A	A		A															
Silicone	D		A			A						A	A	A	D	D	A	A	A	A	A	D		D		D															
Fluorosilicone	B		A			A						A	A	A	A	A	A	A	A	A	A	D		A		B															B

Fluid Name	Bornyl Formate	Boron Fluids (HEF)	Boron Phosphate	Boron Tribromide	Boron Trichloride	Boron Trifluoride	Boron Trioxide	BRAYCO 885 (MIL - L - 6085A)	BRAYCO 910	Brake Fluid (ATE)	Brine	Brine, Calcium Chloride Solution	Brine, Calcium Chloride Inhibited	Brine, Copper Chloride	Brines, saturated	Brine, Sea Water	Brine, Sodium Chloride, Solution	Bromic Acid	Bromine	Bromine, dry	Bromine, wet	Bromine Pentafluoride	Bromine Trifluoride	Bromine, Anhydrous	Bromobenzene	Bromochloromethane	Bromochloropropane	Bromochlorotrifluoroethane (HALOTHANE)	Bromoform	Bromotrifluoroethylene (BFE)	Bromotrifluoromethane (FC 13B1)	Brown coal tar	Buffered Oxide Etchants (BOE)	Bunker Oils (Fuel)	Butadiene	1,3 - Butadiene	Butane				
Formula	C ₁₀ H ₁₇ O ₂	BPO ₄	BBr ₃	BCl ₃	BF ₃	B ₂ O ₃				NaCl : H ₂ O							HBrO ₃	Br ₂			BrF ₅	BrF ₃	Br	C ₆ H ₆ Br	BrCH ₂ Cl	Br(CH ₂) ₂ Cl	CF ₃ CHBrCl	CHBr ₃	BrFC : CF ₂	CBBr ₃		NH ₄ : HF(10 : 1)			C ₄ H ₆	C ₄ H ₁₀					
Aluminum									C					C			D	C	D																	A	B	B			
Brass									B					B					B																		B	C	A		
Carbon Steel									C					D			D	D																A			B	B	B		
Alloy 600														A								D	D																		
Alloy 400/450(Monel®)									B					B								A	B														A	C	B		
Alloy 20														B								B															A	A	A		
Alloy C 276 (Hastelloy®)														A					A	D	D																B		A		
Titanium														A								D	D																		
Cast Iron									B					C								D															B	B	B		
316 Stainless Steel									B					B								D	D	D													A	A	A		
630 Stainless steel									A																																
Carpenter 20®														B								B															A	A	A		
PTFE/PFA (Teflon®)	A						B	C	A	A				A				A	A	A	D	D	A	D	C		A						A		A	D	B	A			
Nylon														C								D																	A		
Polyethylen(PE)																						B	D																		
POM (Delrin®)									B					A								D													C		A	A	A		
PCTFE (Kel-F®)																						A																			
PEEK									A					A								C																A	A	A	
PVDF																	A				A	A																A	A		
UHMWPE														A							D	D																D	D	C	
TPE																						D																			
Poly Acrylate										D	D	D	A		D	D					D																	B	D	A	
Poly Urethane										D	B	B	A		B	B					D																	B	D	A	
NBR	B						B	B	C	A	A	A	A	A	A	A		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	A	C		A	D	D	A	
FPM (Viton®)	A						A	D	D	A	A	A	A	A	A	A		A	A	B	D	D	A	A	A	A	A	A	A	A	A	A	A	A	C		A	A	B	A	
Neoprene									B	A	A	B	B	B	B		D	D	D																				D	D	C
EPDM	D						D	A	A	A	A	A	A	A	A	A		D	D		D	D	D	D	B	D	D	D	D	D	D	D	D	A	C		D	D	D	D	
Kalrez®	A	A	A	A	A	A	A	A	A	A				A			A	A	A		B	B	A	A	A	A	A	A	A	A	A	A	B		A	A		A	A	A	
Grafoil®									A					A							B																	A	A	A	
Silicone	D						D	D	D	A	A	A	A	A	A	A		D			D	D	D	D	D	D	D	D	D	D	D	D	D	D		D		D	D	D	
Fluorosilicone	B						B	D	D	A	A	A	A	A	A	A		B			D	D	B	A	B	B	B	B	B	B	B	B	B	B		A	A		A	A	A

Fluid Name	Butter	Buttermilk	Butyl Acetate	n - Butyl Acetate	Butyl Acetyl Ricinoleate	n - Butyl Acetate	Butyl Alcohol	n - Butyl Alcohol	sec - Butyl Alcohol (SBA)	tert - Butyl Alcohol	Butyl Amine	Butyl Benzoate	Butyl Benzyl Phthalate (BBP)	n-Butyl Butyrate	Butyl Carbitol	p - tert - Butylcatechol	Butyl Cellosolve	Butyl Cellosolve Acetate	n - butyl Chloride	Butylene	Butyl Ether	Butyl Lactate	Butyl Laurate	tert - Butyl Mercaptan	n - Butyl Methacrylate	Butyl Oleate	p - tert - Butylphenol	Butyl Stearate	Butyraldehyde	Butyric Acid	Butyric Anhydride	Butyl Phthalate	Butyric Fat	Butyrolactone	Butyroyl Chloride	Bicyclohexane		
Formula				$CH_3COO(CH_2)_4$	$C_{24}H_{44}O_4$	$CH_2 : CHCOOC_4H_9$		$CH_3(CH_2)_2CH_2OH$	$CH_3CH_2CHOHCH_3$	$(CH_3)_3COH$	$C_4H_9NH_2$	$C_6H_5COOC_4H_9$	$C_4H_9OOCOC_6H_4COOC_4H_9$	$CH_3(CH_2)_2COOC_4H_9$	$C_4H_9O(CH_2)_2O(CH_2)_2OH$	$(CH_3)_3CC_6H_4(ON)_2$	$HO(CH_2)_2OC_4H_9$	$C_4H_9C(CH_2)_2OCCCH_3$	C_4H_9Cl		$C_4H_9OC_4H_9$	$CH_3CHOHCOOC_4H_9$	$C_{11}H_{22}COOC_4H_9$			$H_2C:C(CH_3)COOC_4H_9$	$CH_3(CH_2)_7CH:CH(CH_2)_7COOC_4H_9$	$(CH_3)_3CC_6H_4OH$	$C_{17}H_{35}COOC_4H_9$	$CH_3(CH_2)_2CHO$	$CH_3(CH_2)_2COOH$	$(CH_3CH_2CH_2CO)_2O$				$O(CH_2)_2CO$	C_6H_7COCl	C_6H_{12}
Aluminum	A	B																	A																	A		
Brass	D	B																		A																	A	
Carbon Steel	D																			A																	A	
Alloy 600																																						
Alloy 400/450(Monel®)	D	B																		A																		
Alloy 20	A	A	A																	A																		
Alloy C 276 (Hastelloy®)		B																																				
Titanium																																						
Cast Iron	D	B																		A																		
316 Stainless Steel	A	A	B																	A																	A	
630 Stainless steel																																						
Carpenter 20®	A	A	A																	A																		
PTFE/PFA (Teflon®)	A	A	A	D	A	D	A	A	B					B	A	C	B			A			A		A		A	D	A		A		A		A			
Nylon	A																			A																		
Polyethylen(PE)	A																			A																		
POM (Delrin®)	A	A	B																	A																	D	
PCTFE (Kel-F®)			B																																			
PEEK	A	A	A																	A																		
PVDF	A	A	D			B				C																		A		A							D	
UHMWPE	A	B	D																	B																		
TPE			B																																			
Poly Acrylate	D	D				D									D		D			A																		
Poly Urethane	A	D				D																																
NBR	A	A	D	D	B	D	A	A		B	C	D		D	D	D	C	D		B	C			D	D		B	D	D		D	A				C		
FPM (Viton®)	A	A	D	D	A	D	A	A		A	D	A		A	C	A	D	B		A	D			A		A		A	D	B		D	B			A		
Neoprene	B	A	D			B									C		C																					
EPDM	A	B	B	B	A	D	A	B		B	D	A		A	A	B	B	B		D	C			D		B		D	B	B		A	C				C	
Kalrez®			A	A	A	A	A	A		A	A	A		A	A	A	A	A		A	A			A		A		A	A	A	B	C	A			A	A	
Grafoil®	A	A	A																	A																		
Silicone	A	D	D			B	B			B	D				D					D	D								D	D							A	
Fluorosilicone	A	D	D	B	D	A	A			B	D	A		A	D	A	D	B		B	C						B		B	D	B						A	

Fluid Name	Calcium Phosphate	Calcium Propionate	Calcium Salts	Calcium Silicate	Calcium Stearate	Calcium Sulfamate	Calcium Sulfate	Calcium Sulfide	Calcium Sulfite	Calcium Thiocyanate	Calcium Thiosulfate	Calcium Tungstate	CaIgon	CaIche Liquor	Camphene	Campher	Camphoric Acid	Cane Sugar Liquors	Capacitor Oil	Capric Acid	Caproic Acid	Caproic Aldehyde	Caprolactam	Carbamate	Carbazole	Carbitol	Carbolic Acid Phenol	Carbonated Beverages	Carbonated Water	Carbon Bisulfide	Carbon Dioxide	Carbon Dioxide, Dry	Carbon Dioxide, Wet	Carbon Dioxide Wet or Dry (low Pressure)	Carbon Dioxide Wet or Dry (High Pressure)	Carbon Disulfide	Carbon Fluorides		
Formula	$Ca_3(PO_4)_2 : CaSO_4$	$Ca(OOCCH_2CH_3)_2$			$Ca(C_{18}H_{35}O_2)_2$	$Ca(SO_3NH_2)_2 : 4HOH$	$CaSO_4$	CaS	$CaSO_3 : 2HOH$	$Ca(SCN)_2 : 3HOH$		$CaWO_4$			$C_{10}H_{16}$	$C_{10}H_{16}O$	$CaH_{11}(COOH)_2$			$CH_3(CH_2)_8COOH$	$CH_3(CH_2)_6COOH$		$(CH_2)_5NHCO$		$(C_6H_5)_2NH$		C_6H_5OH				CO_2	CO_2	CO_2	CO_2	CO_2	CS_2	CF_4		
Aluminum	D		D			B																				A	B	A	A	A	A								
Brass	C		C			C									C		B										D	B	B	C	A	A							
Carbon Steel						C							B					A									D	D	B	B	A	A							
Alloy 600						D																					B				A								
Alloy 400/450(Monel®)						B									C		B										B	C	B	B	A	A							
Alloy 20	B		B			B							A		C		A										A	B	A	B	A	A							
Alloy C 276 (Hastelloy®)						B																					A				A	A					B		
Titanium						A																					A			A	A								
Cast Iron	C		C			C									C		B										D	B	A	B		B							
316 Stainless Steel	B		B			B							A		B		A										B	B	A	B	A	A							
630 Stainless steel						B																					B	B	B			A							
Carpenter 20®	B		B			B							A		C		A										A	B	A	B		A							
PTFE/PFA (Teflon®)	A	A	A			A	A	A		A			A		A		A	A					B				A	A	A	A	A	A	A				A		
Nylon						B																					B				B								
Polyethylen(PE)																															B								
POM (Delrin®)	B		A			A							A		A		A	A									D	A	A	A	D	A							
PCTFE (Kel-F®)																																							
PEEK	A		A			A							A		A		A										A	A	A	A	A								
PVDF	A	A				A	B	A																							A								
UHMWPE	A					B																						A	D	A	A							C	
TPE																														C ¹	A	A ¹							
Poly Acrylate	A												D	A													D		D								D		
Poly Urethane	A												D	A													C		D	B				A	A				
NBR	A	A	A			A	A	A	B			A	A		A	A	C						A	C		B	D	B	A	D	B	A	A	A	A	A	D		
FPM (Viton®)	A	A	A			A	A	A	A			A	A		A	A	B	A	A				D	D	A		B	A	B	A	A	B	B	B	C	A			
Neoprene	B		A			A							A	A		B	A										D	B	A	D	B	B		B	C				
EPDM	A	A	A			B	A	A	A			A	A		B	A							B	A	B		B	B	B	A	D	B	B	B	B	D			
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A
Grafoil®	A		A			A							A		A		A										A	A	A	A	A								
Silicone	A	B				B	A		A			A	B														B	D		D		B		B	D	D			
Fluorosilicone	A	A				A	A		A			A	A															A		A	B		B	C	A				

Fluid Name	Chloric Acid	Chlorinated Glue	Chlorinated Naphthalene	Chlorinated Salt Brine	Chlorinated Solvents	Chlorinated Water	Chlorine	Chlorine, Dry	Chlorine, Wet	Chlorine Dioxide	Chlorine Gas, Dry	Chlorine Gas, Wet	Chlorine Gaseous Dry, max. +100°C	Chlorine Gaseous Dry, over +100°C	Chlorine Liquid Dry, max. +100°C	Chlorine Liquid Dry, over +100°C	Chlorine Phosphoric Acid 75%/+20°C	Chlorine Trifluoride	Chlorine Water	Chlorine, anhydrous liquid	Chlorine, dry	Chlorinated Solvents	Chlorinated Biphenyl	Chloroacetaldehyde	Chloroacetic Acid	Chloroacetone	Chloroacetyl Chloride	m - Chloroaniline	Chlorobenzaldehyde	Chlorobenzene (Mono)	Chlorobenzene, Dry	m - Chlorobenzotrifluoride	Chlorobromomethane	Chlorobutadiene	Chlorodifluoroethane (FC 142b)	Chlorodifluoromethane (FC 22)	Chlorododecane				
Formula	HClO ₃	C ₁₀ H ₇ Cl					Cl ₂	Cl ₂	Cl ₂	ClO ₂							ClF ₃	H ₂ O : Cl ₂					ClCH ₂ CHO	CH ₂ ClCOOH	CH ₃ COCH ₂ Cl	ClCH ₂ COCl	ClC ₆ H ₄ NH ₂	C ₆ H ₅ CHOCl	C ₆ H ₅ Cl	ClC ₆ H ₄ CF ₃	BrCH ₂ Cl		CH ₂ CClF ₂	CHClF ₂							
Aluminum	D					D D				D D	D D											D																			
Brass	D					D D				C D	C D												C																		
Carbon Steel	D					D D				B D	A C	A C	A C	A C	A C	A C							C																		
Alloy 600										D B	D B												A																		
Alloy 400/450(Monel®)	C					D				A B	A B												B																		
Alloy 20						A				A	A												A																		
Alloy C 276 (Hastelloy®)	A					D				A D	A D							A D	A D	A D	A D	A D	A																		
Titanium	A					A				D A	D A												A																		
Cast Iron										B	B												C																		
316 Stainless Steel	C					C D				B C	B C												A																		
630 Stainless steel						D				C	C																														
Carpenter 20®						A				A	A												A																		
PTFE/PFA (Teflon®)	A	D A D	A D	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	A A C C C	B D		B		B A		B A		C C							B		
Nylon						D				D D	D D																														
Polyethylen(PE)										C C	C C																														
POM (Delrin®)						D D				D	A C A C C												A																		
PCTFE (Kel-F®)										A	A																														
PEEK						D D				A	A												A																		
PVDF	A						A C B			B	B																														A
UHMWPE						C				D	D									B D D																					
TPE																							D																		
Poly Acrylate						D				D	D												D D D D																		
Poly Urethane																								D D D																	
NBR		B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D	B D D D		
FPM (Viton®)		A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	A A A A	
Neoprene						A D				D D D	D D D												D D D D																		
EPDM		D D D	D D D	D D D	D D D	D D D	B C D			D	D B											D D	D D	A B A		B															
Kalrez®	A	A A A	A A A	A A A	A A A	A A A	B A			A	A B											B A			B A A A		A A A		A A A		A A A		A A A		A A A		A A A		A A A		A A A
Grafoil®						A				A	A												A																		
Silicone		D D	D D	D D	D D	D D																D D																			
Fluorosilicone		B A	D A B B																				A D C D D																		

Fluid Name	Chromic Oxide	Chromic Phosphate	Chromic Sulfate	Chromium Potassium Sulfate	Chromyl Chloride	Cinnamic Acid	Cinnamic Alcohol	Cinnamic Aldehyde	Citro Light Process Oil	Cider	Citric Acid	Citrus Juices	City Service 65, 120, 250	City Service Kool Motor Oil No. 140	City Service Pacemaker No. 2	Clay Slurry	Clophene A30, max. +100°C	Clorox (bleach)	Coal Tar	Cobaltous Acetate	Cobaltous Bromide	Cobaltous Chloride	Cobaltous Linoleate	Cobaltous Sulfate	Cocoa	Coca-Cola Syrup	Coconut Oil	Cod Liver Oil	Coffee	Coffee Extracts, Hot	Coke Oven Gas	Cold Water	Convelex 10	Cooking Oil	Coolanol	Copper Ammonium Acetate	Copper Acetate			
Formula	Cr ₂ O ₃	CrPO ₄	Cr ₂ (SO ₄) ₃	CrK(SO ₄) ₂	CrO ₂ Cl ₂	C ₆ H ₅ CH : CHCOOH	C ₆ H ₅ CH : CHCH ₂ OH	C ₆ H ₅ CH : CHCHO												Co(C ₂ H ₃ O ₂) ₂ · 4H ₂ O	CoBr ₂ · 6H ₂ O	CoCl ₂ · 6H ₂ O	Co(C ₁₈ H ₃₁ O ₂) ₂	CoSO ₄							H ₂ : CH ₄ : N ₂ : CO					Cu(C ₂ H ₃ O ₂) ₂ · H ₂ O				
Aluminum			B							B	B	C																											D	
Brass			C								C	B																											D	
Carbon Steel											D	D					A								B			C		C	B	A				B		D		
Alloy 600											A																												A	
Alloy 400/450(Monel®)			B							A	B	B																B		B	A	B				A		C		
Alloy 20			C							B	A	A																A	A	A	A	A				A		A		
Alloy C 276 (Hastelloy®)																	A											A		A								B		
Titanium																												A										A		
Cast Iron			D								D	D																C		D	C	B				B		D		
316 Stainless Steel			B							A	C	B															A	A		A	A	A				A		A		
630 Stainless steel											C																													
Carpenter 20®			C							B	A	A															A	A		A	A	A				A		A		
PTFE/PFA (Teflon®)	A		A	B					A	A	A	A	A	A	A	A	A		A		A				A	A	A	A	A	B	A	A	A	A	B	A	A	A		
Nylon											D																													
Polyethylen(PE)											D																													
POM (Delrin®)			C							A	A	A					B									A	A	A		A	A	D	A			A		D		
PCTFE (Kel-F®)																																								
PEEK			A							A	A	A															A	A		A	A	A					A		A	
PVDF					A						A																		A											
UHMWPE										B	D																A	A		A										
TPE										B ¹	A ¹																													
Poly Acrylate										D										D							D	A			D	D						D	D	
Poly Urethane										D						A			D							B	B	A		D	D							D	D	
NBR	D	B	B							A	A	A	A	A	A	A	C	B	A		A					A	A	A	A	A	A	D	A	D	A	A	D	B		
FPM (Viton®)	A	B	A							A	B	A	A	A	A	B	A	A	A		A					C	B	A	A	A	A	A	A	A	A	A	A	A	D	D
Neoprene		B								B	A	A				A										B	B	B		A	A	D				B		C	C	
EPDM	B	B	B							D	A	A	D	D	D	A		B	D		A					D	A	C	A	A	A	D	A	C	D	D	A	A		
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A				A	A				A	A						A	A
Grafoil®			A							A	A	A																A	A		A	A				A			A	A
Silicone										D	B	A	D	D	D	C		B	D		B					D	A	A	B		A	B		D		D	D	D	D	
Fluorosilicone										A	A	A	A	A	C		B	D		A						A	A	A	A		A	B					A	D	D	D

Fluid Name	Copper Carbonate	Copper Chloride	Copper Cyanide	Copper Gluconate	Copper Fluoborate	Copper Naphthenate	Copper Nitrate	Copper Plating Solution	Copper Salts	Copper Sulfate	Copper Sulfate 5%	Copper Sulfate > 5%	Corn Oil	Corn Starch Slurry	Corn Syrup	Cottonseed Oil	Cream	Creosote Oil	Creosote - Coal Tar	Gresol	Cresolis Cresylic Acid	Cresylic Acid	Crtonaldehyde	Grotonic Acid	Crude Oil	Crude Oil, Sour	Crude Oil, Sweet	Cumene	Cumene Hydroperoxide	Cuminic Aldehyde	Cupric Nitrate	Cupric Sulfate	Cutting Oils, Water Emulsions	Cyanamide	Cyanide	Cyanoacetic Acid	Cyanogen Chloride		
Formula	$Cu_2(OH)_2CO_3$	$CuCl_2$	$Cu(CN)$	$(C_{12}OH(CH_2OH)_2COO)_2Cu$		$Cu(NO_3)_2$			$CuSO_4$											$CH_3C_6H_4OH$			$CH_3CH : CHCHO$	$CH_3CH : CHCOOH$				$C_6H_5CH(CH_3)_2$	$C_6H_5C(CH_3)_2OOH$	$(CH_3)_2CHC_6H_4CHO$				$HN : C : NH$		$CNCH_2COOH$	$CNCl$		
Aluminum	D	D	D			D			D			D		B		B						C			B	B	A				D		C		D				
Brass		D	D			D			D			B		B		B							C			A	C	B						A		D			
Carbon Steel		D				D			D			C		C		B							C			A	B	B						B					
Alloy 600						D			B								A																						
Alloy 400/450(Monel®)		B	C			D			C			D		B		B							B			B	A			D						D			
Alloy 20	A	A				B			B			B		B		A		B				B				A	A			A			A		A		B		
Alloy C 276 (Hastelloy®)		A		B		B			A	A	A					B		B				B																	
Titanium						A			B																														
Cast Iron			D			D			D			C		C		B						D				C	B							B		D			
316 Stainless Steel		D	A			B			B			A		B		B						B			A	A	A			A			A		A		B		
630 Stainless steel									B								B																						
Carpenter 20®	A	A				B			B			B		B		A		B				B				A	A			A			A		A		B		
PTFE/PFA (Teflon®)	A	A	A			A	A	A	A	A	A	A		A	A	A	A	A	A	A	A	A			A			C			A	A							C
Nylon		D				D			A			D																											
Polyethylen(PE)						B						B					D																						
POM (Delrin®)	A	A	A			A			A			A		A		D		D				D			A	A	A			D			A		D				
PCTFE (Kel-F®)																					A																		
PEEK	A	A				A			A			A		A		A		A				A				A	A			A			A		A		A		
PVDF	A	A				A			A			A		A						B																			
UHMWPE		B				B			A	A	A	A		A		D		D			D		B																
TPE	A ¹								A ¹	A ¹										D																			
Poly Acrylate		D					D		D			A	D	D	A		D					D		D		A			D										
Poly Urethane		B					D		D			A	B	B	A		D					A		D		B			D										
NBR		A	A	B		A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	A	A	A	D			A	A		B		D		
FPM (Viton®)		A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	D	D	A	A	A	A			A	A		B		B		
Neoprene		B	A			A	A		A			C	B	B	C		D		D	D	D	D	D	D	C	B	B	D						B		B			
EPDM		A	A			B	A	A	A			C	A	A	C		D	D	D	A	D	A	B	D	D			D			A	D		B		C			
Kalrez®	A	A	A	A		A	A		A			A		A		A	A	A	A	A	A	A	A	A	A		A	A	A		A	A	A	A	A	A	A	A	A
Grafoil®	A	A				B			A			A		A		A		A				A				A	A			B			A						
Silicone		A	A				C	A	A			A	B	A	A		D	D	D	D	D	D	D	D	D									D					
Fluorosilicone		A	A				C	A	A			A	A	A	A		A	A	B	B	B	D	D	D	B			C						A					

Fluid Name	Cyanohydrin	Cyanuric Chloride	Cuprous Ammonia Acetate Solution	Cyanic Acid Solution	Cyanic Compounds	Cyanogen	Cyclohexane	Cyclohexanol	Cyclohexanone	Cyclohexene	Cyclohexylamine	Cyclopentadiene	Cyclopentane	Cyclopropane	p - Cymene
Formula	<chem>C#N</chem>	<chem>ClCN</chem>					<chem>C6H12</chem>	<chem>C6H11OH</chem>	<chem>C6H10O</chem>	<chem>C6H10</chem>	<chem>C6H11NH2</chem>	<chem>C5H6</chem>	<chem>C5H10</chem>	<chem>C3H6</chem>	<chem>CH3C6H4CH(CH3)2</chem>
Aluminum							A		B						
Brass							A		B						
Carbon Steel							A								
Alloy 600															
Alloy 400/450(Monel®)							B		B						
Alloy 20							A		A						
Alloy C 276 (Hastelloy®)							B		B						
Titanium															
Cast Iron							A								
316 Stainless Steel							A		A						
630 Stainless steel															
Carpenter 20®							A		A						
PTFE/PFA (Teflon®)							B	A	C						
Nylon							A		A						
Polyethylen(PE)															
POM (Delrin®)							A		A						
PCTFE (Kel-F®)									A						
PEEK							A		A						
PVDF							A	A	C						
UHMWPE							C		D						
TPE							A ¹								
Poly Acrylate			D	D	D	D	B				D				
Poly Urethane			D	D	D	D	A				D				
NBR			D	D	D	D	A	A	D		D			D	
FPM (Viton®)			D	D	D	D	A	A	D		D			A	
Neoprene			D	D	D	D	C		D		D				
EPDM		D	A	A	A	A	D	D	B		A			D	
Kalrez®	A	A					A	A	B	A	A	A	A	A	A
Grafoil®							A		A						
Silicone			D	D	D	D	D	D	D		D			D	
Fluorosilicone			C	D	D	D	A	A	D		C			B	

Fluid Name	Diethylenetriamine	Diethyl Ether	Diethylhexylamine	Diethylhexyl Phthalate	Diethylhexyl Sebacate	Diethyl Phthalate	Diethyl Sebacate	Diethyl Sulfate	Difluoroethane (FC 152a)	Diglycol Chloroformate	Diglycolic Acid	Dihydroxydiphenylsulfone	Diisobutylene	Di - Isobutyl Ketone	Di - Isobutylene	Dioctyl Sebacate (DIOS)	DI - Isopropyl Benzene	Diisopropyl Ketone	Diisopropylidene Acetone	Dimethyl Acetamide (DMAC)	Dimethylamine (DMA)	Dimethyl Aniline	Dimethyl Ether	Dimethyl Phthalate	Dimethyl Formamide (DMF)	Dimethyl Heptanol	Dimethyl Hydrazine	Dimethyl Phthalate	Dimethyl Sulfoxide (DMSO)	Dimethyl Terphthalate (DMT)	Dinitrotoluene (DNT)	Diocyl Amine	Diocyl Phthalate	Dioxane	Dioxolane	Dipentene	Dipentane (Pinene)		
Formula	$NH_2C_2H_4NH_2$	$C_2H_5OC_2H_5$	$C_{16}H_{34}N_2$	$C_{16}H_{32}O_2$	$C_{16}H_{32}O_2$	$C_{16}H_{32}O_2$	$(C_2H_5)_2SO_4$	CH_2FCH_2F	$O((CH_2)_2OCOC)2$	$(C_6H_4(OH))_2SO_2$	$(CH_3)_2CHCH_2COCH_2CH(CH_3)_2$	$C_8H_{17}OOC(CH_2)_8COOC_8H_{17}$	$CH(CH_3)_2C_6H_5$	$[(CH_3)_2CH]_2CO$	$CH_3CON(CH_3)_2$	$(CH_3)_2NH$	$C_6H_5N(CH_3)_2$	CH_3OCH_3	$HCON(CH_3)_2$	$[(CH_3)_2CHCH_2]_2CHOH$	$(CH_3)_2NNH_2$	$C_6H_4(COOC_2H_5)_2$	$(CH_3)_2SO$	$C_6H_4(COOC_2H_5)_2$	$C_6H_5CH_2(NO_2)_2$	$(C_8H_{17})_2$	$O(CH_2)_2OCH_2$	$C_{10}H_{16}$											
Aluminum							B																		B													A	
Brass							B																			B													A
Carbon Steel																																							
Alloy 600																																							
Alloy 400/450(Monel®)							B																		B														
Alloy 20							B																		A														A
Alloy C 276 (Hastelloy®)	B																																						
Titanium																																							
Cast Iron							B																		B														A
316 Stainless Steel							B																		A														A
630 Stainless steel																																							
Carpenter 20®							B																		A														A
PTFE/PFA (Teflon®)	D	B	A	B	A																		D	A		A	B	D	A	D	A	D	C	A	D	C	A		
Nylon																																							
Polyethylen(PE)																																							
POM (Delrin®)							A																		A		C												A
PCTFE (Kel-F®)																									A														
PEEK							A																		A		A												A
PVDF	A											A							D	D	C	A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
UHMWPE																									A														
TPE	C																																						
Poly Acrylate														D	D	D																						D	
Poly Urethane														D	D	D																						D	
NBR	D	D	D	D	C	A							B	D	A	C	D	D	D					D	D	D	B										D	B	
FPM (Viton®)	D	B	B	B	B	D							A	D	A	B	A	D	D	D				D	D	B	D											A	B
Neoprene							C						D	D	D	D																						D	D
EPDM	D	B	B	B	C	A							D	A	D	C	D	A	C					B	D	B	A											D	D
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®							A																		A														A
Silicone	D	C	C	B									D	D	C	D	D	D						D	A	B												D	D
Fluorosilicone	C	B	C	B									C	D	C	B	D	D						D	A	B	D												A

Fluid Name	Ethyl Chloride, wet	Ethyl Chlorocarbonate	Ethyl Cyanide	Ethylcyclopentane	Ethyl Dibromide	Ethyl Dichloride	Ethylene	Ethylene Bromide	Ethylene Chloride	Ethylene Chlorohydrin	Ethylene Cyanohydrin	Ethylene Diamine	Ethylene Dibromide	Ethylene Dichloride	Ethylene Glycol	Ethylene Glycol Butyl Ether	Ethylene Glycol Butyl Ether Acetate	Ethylene Glycol Ethyl Ether Acetate(EGMEA)	Ethylene Oxide	Ethylene Trichloride	Ethyl Ether	Ethylethoxy - 3 - Propionate (EEP)	Ethyl Formate	Ethyl Hexanol	Ethyl Isovalerate	Ethyl Lactate (EL)	Ethyl Mercaptan	Ethylmorpholine	Ethyl Nitrite	Ethyl Oxalate	Ethyl Pentachlorobenzene	Ethyl Pyridine	Ethyl Silicate (TEOC)	Ethyl Sulfate (Diethyl Sulfate)	Ethyl Sulfate	Ethylsulfuric Acid	Ethyl Tertiary Butyl Ether					
Formula	C_2H_5Cl	$C_2H_5CO_2C_2H_5$	C_2H_5CN	C_5H_{10}			C_2H_4			$C_2H_4Cl_2$	$C_2H_4(CN)_2$	$C_2H_4(NH_2)_2$	$C_2H_4Br_2$	$C_2H_4Cl_2$	$C_2H_4(OH)_2$	$C_2H_4(OH)_2OC_4H_9$	$C_2H_4(OH)_2OOCCH_3$	$C_2H_4(OH)_2OOC_2H_5$	C_2H_4O	$C_2H_4OCl_2$	$C_2H_5OC_2H_5$	$C_2H_5OOC(CH_2)_2OOC_2H_5$	$HCOC_2H_5$	$(C_2H_5)_2CHCH_2COOC_2H_5$	$CH_3CH(OH)COOC_2H_5$	$(CH_2)_2O(CH_2)_2NCH_2CH_3$	$C_2H_5NO_2$	$(COOC_2H_5)_2$		$(C_2H_5)_4SiO_4$		$C_2H_5HSO_4$										
Aluminum	D								C						A				C	B																						
Brass	C														B				C	B																						
Carbon Steel	D														B				B	B																						
Alloy 600	A														A				A	A																						
Alloy 400/450(Monel®)	B								B						B	B			B	A																B						
Alloy 20	B								A						A	A			B	A																		B				
Alloy C 276 (Hastelloy®)	B							B	B	B		C			B	A			A	B																						
Titanium	A														A				A																							
Cast Iron	D														B				B	C																						
316 Stainless Steel	B								A						B	B			B	A																						
630 Stainless steel															A				A																							
Carpenter 20®	B								A						A	A			B	A																						
PTFE/PFA (Teflon®)	A	B	A	B	B	A	A	A	A	B	A	A	C	B	C	B	C	A	D	A	A	A																				
Nylon	A														A	B			D																							
Polyethylen(PE)															B																											
POM (Delrin®)	A								A						C	A			A	A																						
PCTFE (Kel-F®)									A						A				D	C																						
PEEK	A								A						A	A			A	A																						
PVDF												C	A						A																							
UHMWPE	D							D			A	D	A		D	A			C																							
TPE															C	A			A																							
Poly Acrylate						D	B	D	D			D	D	D	D				D																							
Poly Urethane						D	B	D	D			D	D	B					D																							
NBR	C	D	A	A	D	D	A	D	D	D	A	D	D	A	C	D	D	D	D	C			D	A			D		D	D	D	A							B	C		
FPM (Viton®)	B	A	A	A	A	A	A	A	B	A		D	A	A	A	D	B	D	D	A	D		A	A		B		A	A	D	A									A	B	
Neoprene	C				D	C	D	D			D	D	D	A					D	D						C																
EPDM	B	D	D	D	C	C	B	C	D	B		A	C	C	A	B	B	B	C	C	C		B	A		A		A	D	A												
Kalrez®	A	A	A	A	A	A	A	A	A	A		B	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®	A								A						A	A			A	A																						
Silicone	D	D	D	D	D	D	C		A	D	D	A		B	D	D	D	D	D				B			D		D	D	D	D											
Fluorosilicone	B	A	A	A	C	B	B		D	C	C	A	D	B	D	D	D	D	C	C		A	A																			

Fluid Name	Ethylhexyl Acrylate	Ethylmorpholinestannous Octoate	Explosive (Index 1)
Formula	CH ₂ :CHCOOCH ₂ CH(C ₂ H ₅)C ₄ H ₉		
Aluminum			
Brass			
Carbon Steel			
Alloy 600			A
Alloy 400/450(Monel®)			
Alloy 20			
Alloy C 276 (Hastelloy®)			
Titanium			
Cast Iron			
316 Stainless Steel			
630 Stainless steel			
Carpenter 20®			
PTFE/PFA (Teflon®)			
Nylon			B
Polyethylen(PE)			
POM (Delrin®)			
PCTFE (Kel-F®)			
PEEK			
PVDF			
UHMWPE			
TPE			
Poly Acrylate			
Poly Urethane			
NBR			
FPM (Viton®)		D	A
Neoprene		D	
EPDM			
Kalrez®			B
Grafoil®	A	A	
Silicone			
Fluorosilicone			

Fluid Name	FC C318 (Octafluoro-tetraethylene)	FC PCA	FC TA	FC TC	FC TMC	FC T - P35	FC T - WD602	Ferric Acetate	Ferric Ammonium Sulfate	Ferric Chloride	Ferric Hydroxide	Ferric Nitrate	Ferric Sulfate	Ferrous Ammonium Citrate	Ferrous Ammonium Sulfate	Ferrous Chloride	Ferrous Iodide	Ferrous Sulfide	Ferrous Sulfate	Ferrous Sulfate, Saturated	Fertilizer Solutions	Film Dope	Fire extinguishing substance (Foamite)	Fish Oils	Fluoroboric Acid	Fluorine	Fluorine Gas, dry	Fluorine Gas, wet	FLUORINERT (FC 70)	Fluorobenzene	Fluoroform (FC 23)	FLUOROLUBE	Fluorophosphoric Acid, Anhydrous	Flue Gases	Fluosilicic Acid	Fluosulfonic Acid	FOMBLIN		
Formula								$Fe(C_2H_3O_2)_3 \cdot OH$	$FeNH_4(SO_4)_2$	$FeCl_3$	$Fe(OH)_3$	$Fe(NO_3)_3$	$Fe_2(SO_4)_3$		$Fe(SO_4) : (NH_4)_2SO_4$	$FeCl_2$	FeI_2	$FeSO_4$	$FeSO_4$						HBF_4	F_2				C_6H_6F	CHF_3		H_2PO_3F		H_2SiF_6	HSO_3F			
Aluminum										D	D	D	B		D		D	C	C	B			C	D	D	B	D								C	D			
Brass										D	D	D			B		B	B	C	C			B		D	C	D								B	B			
Carbon Steel										D	D	D			D		D	D	C	B			A	B	A	D	A	D								D			
Alloy 600										D	D	A			D			B							A	A	A	A								A			
Alloy 400/450(Monel®)										D	A	D	D		D			B	B	B				A	A	A	A								B	A			
Alloy 20											A	A	A	B	D			B	A	B				A	A										A	B			
Alloy C 276 (Hastelloy®)										B	B	A			D			B	B					A	B	B	B								B				
Titanium										A		A			A			A						D	D	D										D			
Cast Iron											D	D			D			D	C	B				B											B	D			
316 Stainless Steel										D	A	C	B	B	D		B	B	A	B				A	B	D	B	D							A	B			
630 Stainless steel												B	B																										
Carpenter 20®											A	A	A	B	D			B	A	B				A	A	A									A	B			
PTFE/PFA (Teflon®)	D	D								A	A	A	A	A	A		A	A	A	A				A	A	D	A	A					B		A	A			
Nylon										D		D			D			D																					
Polyethylen(PE)										B	B	B						B								B	B												
POM (Delrin®)										A	A	A	A	A	A		A	A	A				B	A	D	D									C	C			
PCTFE (Kel-F®)															A			A	A								A												
PEEK											A	A	A	A	A			A	A	A				A	D	A										A	D		
PVDF																										D													
UHMWPE										A	A	A	A	A	A			A							A	D												A	
TPE										C																													
Poly Acrylate																									A														
Poly Urethane										A		A						A						B															
NBR	A	A	A	A	B	A	B			A	B	A	A		A		B	A	C	B			A	A	A	D			D		A		C	A					
FPM (Viton®)	B	B	C	A	A	A	A			A	A	A			A		A	A	B				B	A	B	C		A	A		B		C	C			A		
Neoprene										B	A	A			A			A	C	B				B	B		C									C	C		
EPDM	A	D	B	B	C	A	B			A	A	A			A		A	A	B			A	C	D	A	D		D		A		D	C						
Kalrez®	B	C	B	B	B	B	B	A	A	A	A	A	A	A	A			A						A	A	B		B	A	A	B	A		A	A	A			
Grafoil®											A	B	A	A	A			A	A	A				A												A			
Silicone		D	C	D	C	A	D			B	C	B						B						D	A	D		D		A					D				
Fluorosilicone										A	A	A						A						A				B		B						D			

Fluid Name	GALDEN	Gallic Acid	Gallic Acid 5%	Gear Oil	Gas (Inert)	Gas (Inert gas), +100°C	Gas (Inert gas), +200°C	Gas, Manufactured	Gas, Natural	Gas, Odorizers	Gas Oil	Gasoline	Gasoline, Aviation	Gasoline, Aromatic	Gasoline, Automotive	Gasoline, Ethyl and Regular	Gasoline, Leaded	Gasoline, Motor	Gasoline, 100 Octane	Gasoline, 130 Octane	Gasoline, Refined	Gasoline, Sour	Gasoline, Unleaded	Gasoline, with Mercaptan	Gelatin	Germanium Tetrahydride	Glacial Acetic Acid	Glaubers Salt	Gluconic Acid	Glucose	Glue	Glue Sizing	Glutamic Acid	Glycerin (Glycerol)	Glycerophosphoric Acid	Glycidol	Glycol	
Formula		$C_6H_2(OH)_3CO_2H$																							GeH_4				$CH_2OH(CH_2OH)_4COOH$	$C_6H_{12}O_6$			$COOH(CH_2)_2CH(NH_2)COOH$	$C_3H_5(OH)_3$	$C_3H_5(OH)_2H_2PO_4$	$CH_2OHCHOCH_2$	$HO - CH_2 - CH_2 - OH$	
Aluminum		A	B		B	B	A	A	A	A	A					A	A				A	A	A	A					A	A			A			A		
Brass		C	B		B	B	A	A	A	A	A					A	A				B	B	A	A					A	B			B			B		
Carbon Steel		D	A	B	A	A	B	B	B	A	A	A				A	A				B	B	A	D					B	A			C			C		
Alloy 600							A	A		A														A					A	A			A			A		
Alloy 400/450(Monel®)		B				A	A	B		A	A					B	A				B	C	A	B					A	B			A			B		
Alloy 20		B				B	B	A			A					A	A				A	A	A	A					A	A			A			A		
Alloy C 276 (Hastelloy®)	B	B				A	A			A	A					A	A				A	A	A	A					A	A			A			A		
Titanium						A	A			A																			A	A			A			A		
Cast Iron		D			B	B	B			B						A	B				B	B	B	D					B	B			B			B		
316 Stainless Steel		B	A			B	A	B		A	A					A	A				A	A	A	A					A	B			A			B		
630 Stainless steel																	A																A					
Carpenter 20®		B				B	B	A		A						A	A				A	A	A	A					A	A			A			A		
PTFE/PFA (Teflon®)	B	B	A	A	A	A	A	A	A	A	B	A				A	A				A	A	A	A			A		A	A			A			A		
Nylon		A				A	A	A		A	A					A	A				A	B	A	A					A	A			B					
Polyethylen(PE)											D																								D			
POM (Delrin®)		A	A	A	A	C	A	A	A	A	B	A				A	A				A	A	A	A					A	A			C			C		
PCTFE (Kel-F®)		A				A																																
PEEK		A				A	A	A								A	A				A	A	A	A					A	A			A			A		
PVDF											A														A								A					
UHMWPE		A	A								A	D				D	D				D	D	D	A					A	A			A			A		
TPE											A																						A					
Poly Acrylate		D								D			D	D	D					D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
Poly Urethane		D								B			A	B	B					B	B	B	B	B	D	D	D	D	D	D	D	D	D	D	D	D	D	
NBR		B	A	A	A	C	A	A	B	A	A	C	A	A	A	C	C	A	A	C	C	C	C	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
FPM (Viton®)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	A
Neoprene		B	B			A	A	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
EPDM		B	B	D	C	C	D		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Kalrez®	D	A	A								A	A				A	A				A	A		A		A		A	A	A	A	A	A	A	A	A	A	A
Grafoil®						A	A	A				A				A	A				A	A	A	A					A	A			A			A		A
Silicone										D	D	D	D	D	D					D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Fluorosilicone	B									A	A		A	A	A					A	A	A	A	A	A	D	A	B		A	A	A	A	A	A	A	A	A

Fluid Name	Glycol Amine	Glyco, Diethylene	Glycol, Ethylene	Glycol, Propylene	Glycolic Acid	Grain Mash	Grape Juice	Graphite	Grease	Green Sulfate Liquor	GULF ENDURANCE OILS
Formula											
Aluminum	C							B	B		
Brass	D							B	C		
Carbon Steel									A		
Alloy 600									A		
Alloy 400/450(Monel®)								B	B		
Alloy 20								A	A		
Alloy C 276 (Hastelloy®)	D			A					A		
Titanium									A		
Cast Iron	B							C	A		
316 Stainless Steel	B							B	A		
630 Stainless steel	A										
Carpenter 20®								A	A		
PTFE/PFA (Teflon®)				A		A	A	A	A	A	A
Nylon											
Polyethylen(PE)											
POM (Delrin®)	C							A	A		
PCTFE (Kel-F®)											
PEEK	A							A	A		
PVDF											
UHMWPE				A		B					
TPE											
Poly Acrylate		D	D	D		D	D			D	
Poly Urethane		D	B	D		D	D			D	
NBR	A	A	A	A	A	A	A	B	A	B	A
FPM (Viton®)	D	A	A	A	A	A	A	B	A	A	A
Neoprene		A	A	A		A	A	B	C	B	
EPDM	D	A	A	A		A	A	B	D	A	D
Kalrez®									A	B	A
Grafoil®	A							A	A		
Silicone		A	A	A		A	A			A	D
Fluorosilicone		A	A	A		A	A			B	A

Fluid Name	Formula																																							
HALOTHANE	HALOWAX OIL	Heating Oil (Heavy)	Heating Oil (Light)	Heavy Oil	Heavy Water	HEF - 2	HEF - 3	Helium Gas	Heptachlor	Heptanal	Heptane	n - Heptane	Heptanoic Acid	Hexamine	Hexachloro Acetone	Hexchlorobutadiene	Hexchloroethane	Hexadecane (Cetane)	Hexaethyl Tetraphosphate (HETP)	Hexafluoroethane (FC 116)	n - Hexaldehyde	Hexamethyldisilazane (HMDS)	Hexamethylenediamine	Hexamethylenetetramine	Hexane	n - Hexane	Hexanol, Tertiary	1 - Hexene	Hexone	Hexyl Acetate	Hexyl Alcohol	Hexylene Glycol	Hexylresorcinol	High Viscosity Lubricant H2	High Viscosity Lubricant U4	Honey				
CF ₃ CHBrCl								He	C ₁₀ H ₇ Cl ₇	C ₈ H ₁₅ CHO		CH ₃ (CH ₂) ₆ CH ₃	CH ₃ (CH ₂) ₆ COOH		Cl ₃ CCOCCl ₃	Cl ₂ C : CClCl : CCl ₂	Cl ₃ CCCl ₃	C ₁₆ H ₃₄		C ₂ F ₆	CH ₃ (CH ₂) ₄ CHO	(CH ₃) ₂ SiNH ₂ (CH ₃)	H ₂ N(CH ₂) ₆ NH ₂	(CH ₂) ₆ N ₄	CH ₃ (CH ₂) ₄ CH ₃	CH ₃ (CH ₂) ₃ CH : CH ₂		CH ₃ COOC ₆ H ₁₃	CH ₃ (CH ₂) ₆ CH ₂ OH	(CH ₂) ₂ COHCH ₂ COHCH ₂ CH ₃	C ₆ H ₁₃ CaH ₁₃ (OH) ₂									
Aluminum		B	A					B			A																													
Brass		B	B					B			A																													
Carbon Steel		B	B	A				B			B																													
Alloy 600											A																													
Alloy 400/450(Monel®)								B			B																													
Alloy 20								A			A																													
Alloy C 276 (Hastelloy®)								A			A																												A	
Titanium											A																													
Cast Iron								B			B																													
316 Stainless Steel		A	A					A			A																													
630 Stainless steel																																								
Carpenter 20®								A			A																													
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A			A	C			D			A																				A	A	A
Nylon																																								
Polyethylen(PE)																																								
POM (Delrin®)		C	C	C				A			A																													
PCTFE (Kel-F®)																																								
PEEK								A			A																													
PVDF											A					A	A																							A
UHMWPE								A			C																													B
TPE																																								
Poly Acrylate								D	A		A				D	D																								
Poly Urethane								D	A		B				D	D																								
NBR	D	D	D	B	C	A	B	B	A		A	A		D	D			A		A	D																			
FPM (Viton®)	A	A	C	B	C	B	A	A	A		A	A		D	D			A		B	D																			
Neoprene								D	A		B				D	D																								
EPDM	D	D	D	D	C	A	D	D	A		D	D		A	A			D		A	A																			
Kalrez®	B	B				A	A	A	A	A	A	A		A	A	A		A	A	A	B	A																		
Grafoil®								A			A																													
Silicone	D	D				A	D	D	A		D	D		D	D			D																						
Fluorosilicone	B	A				A	B	B	A		A	C		D	D			C																						

Fluid Compatibility Guide - I, J, K 1 of 1

Fluid Name	Illuminating Gas	Ink - Newsprint	Iodine	Iodoform	Iron Pyrrhic Acid	Iron Sulfate Solution	Iso - Butane	Iso - Butyl Alcohol	Iso - Butyl Methyl Ketone	Iso - Butylene	Iso - Butyraldehyde	Iso - Cyamate	Iso - Octane	Iso - Pentane	Isopropyl Acetate	Isopropyl Alcohol	Isopropyl Benzene	Isopropyl Chloride	Isopropyl Ether	J P - 4 Fuel	J P - 5 Fuel	J P - 6 Fuel	Kerosene	Ketchup	Ketones
Formula			I ₂													(CH ₃) ₂ CHOH									
Aluminum	A	C	D	C									A		B				B	A	A	A	A	D	A
Brass	A	C	D	C									A		B				A	A	A	A	A	D	A
Carbon Steel	A	D	D	B									A		A				A	A	A	A	B	D	A
Alloy 600	A		D	B												A									
Alloy 400/450(Monel®)	A	B	B	C									A		B				B	A	A	A	A	B	A
Alloy 20	A	A		A			B						A		A				A	A	A	A	A	A	A
Alloy C 276 (Hastelloy®)	A		B	B												A			A	A	A	A	A		
Titanium	A		D	A									A		A				A	A	A	A	A	A	A
Cast Iron	A	D		C									B						B	B	A	A	B	D	A
316 Stainless Steel	A	A	B	A			B						A		B	B			A	A	A	A	A	A	A
630 Stainless steel																									
Carpenter 20®	A	A		A			B						A		A				A	A	A	A	A	A	A
PTFE/PFA (Teflon®)	A	A	A	A			A						A		A	A			A	A	A	A	A	A	A
Nylon		A																							
Polyethylen(PE)				C																				B	
POM (Delrin®)	A	A	A	A			D						D		A	B			A	A	A	A	A	A	A
PCTFE (Kel-F®)																									
PEEK	A	A		A			A						A		A				A	A	A	A	A	A	A
PVDF			A	A									A		A				A	A	A	A	A	A	
UHMWPE		A		A			A						A						A	A	A	A			A
TPE																									
Poly Acrylate																									
Poly Urethane																									
NBR	C	A	B				B						A		D	C			B	A	A	A	A	A	D
FPM (Viton®)	D	A	A	A			A						A		B	C			A	A	D	B	A	B	A
Neoprene	D	A	B	C			A						D		C	C			C	C	C	C	C	B	D
EPDM	D	B	A	B	A	A	B	A	A	D	A	A	D	D	B	A	D	D	B	B	A	B	D	D	C
Kalrez®	A	A		A			A						A												
Grafoil®	A	A		A			A						A		A										A
Silicone																									
Fluorosilicone																									

Fluid Name	Lactic Acid Concentrated cold	Lactic Acid Concentrated hot	Lactic Acid Dilute cold	Lactic Acid Dilute hot	Lactose	Lard	Lactic Acid	Latex	Laquer(and Solvent)	Lactic Acid	Lard	Latex	Lead Acetate	Lead Sulfate	Lecithin	Lead Acetate Salt Solution	Lead Nitrate Solution	Linseed Oil	Linoleic Acid	Lithium Chloride	Lime Water(Milk of Lime)	Lindol	Linseed Oil	Lithium Bromide Brine	Lithium Hydroxide	Llard Oil	LPG	Lubricating Oil Petroleum Base	Ludox	Lube Oil(SAE)10,20,30,etc..	Lyes(alkaline)	
Formula													$Pb(C_2H_3O_2)_2$	$PbSO_4$			$Pb(NO_3)_2$															
Aluminum	C	C	A	B	B	A	A	A	A				D	D	C			A	D							B	A	A	D			
Brass	D	D	D	D	B	B	D	A	B				C	C	C			B	B							B	A	B	D			
Carbon Steel	D	D	D	D			D	B	C				D					A								C	B	A			B	
Alloy 600							A																									
Alloy 400/450(Monel®)	D	D	C	D	B		B		B				B	B	B			B	B							B	B	B	B			
Alloy 20	A	A	A	A	B	A			A				B	B	B			A	A							A	B	A	B			
Alloy C 276 (Hastelloy®)	A	B	A	B			B																									
Titanium							A																									
Cast Iron	D	D	D	D	C	A			C				D	D	C			A	B						C	B	A	B				
316 Stainless Steel	A	B	A	A	B	A	B	A	A				B	B	B			A	B						B	B	A	B				
630 Stainless steel	D	D	B	D																												
Carpenter 20®	A	A	A	A	B	A			A				B	B	B			A	A						A	B	A	B				
PTFE/PFA (Teflon®)	A	A	A	A	A		A	A	A	A			A	A	A			A	A	A					A	A	A	A			A	
Nylon	A																															
Polyethylen(PE)							B																									
POM (Delrin®)	D	D	D	D	A		D	A	A	A			A	A	A			A	A	A					A	A	A	B		A		
PCTFE (Kel-F®)																																
PEEK	A	A	A	A	A				A	A			A	A	A			A	A	A					A	A	A	A				
PVDF					A		A						A	A				A	A	C					C							
UHMWPE	A	A	A	A						A			A					A							A		C					
TPE																																
Poly Acrylate									D	D	A	D				D				D	D	D	A	D	D		C			A		
Poly Urethane									D	D	A	D				D				D	D	B	D	D		A				A		
NBR	B	C	B	C	B		C	D	D	A	B	A	A	B	D	C	A	A	B	B	A	D	A	A	D	A	A	B	A	A		
FPM (Viton®)	A	B	A	D	B		C	C	D	A	A	A	B	B	B	D		A	B	B	A	D	A	A	C	A	A	B	A	B		
Neoprene	A	C	A	D	C				D	D	B	A	B	B	D	D	A	C	B	B	B	D	C	A	D	B	B	B	D			
EPDM	B	B	B		B		D	D	D	C	A	B	B	D	A	A	D	D	B	A	A	C	A	A	B	D	D	B	D			
Kalrez®	A	A	A	A					A				A							A												
Grafoil®	A	A	A	A	A				A	A			A	A				A	A	A					A	A	A					
Silicone									D	B	B	A				D	B			A	B	C	A	A	D	C				D		
Fluorosilicone									D	B	A	A				D	A			A	A	C	A	A	D	A				A		

Fluid Name	Magnesium Acetate Solution																																					
	Magnesium Bisulfate	Magnesium Bisulfide	Magnesium Carbonate	Magnesium Chloride	Magnesium Hydroxide - cold	Magnesium Hydroxide	Magnesium Salts	Magnesium Sulfate	Magnesium Sulfite	MALATHION	Magnesium sulphate(Epson Salts)	Magnesium sulphate	Magnesium Hydroxide Hot	Magnesium Nitrate	Maleic Acid	Maleic Anhydride	Maleic Hydrazide	Malic Acid	Mandelic Acid	Manganese Acetate	Malt (from barley)	Margarine	Malt Beverages	Manganese Chloride	Marsh Gas	Manganese Carbonate	Manganese Dioxide	Manganese Gluconate	Manganese Hypophosphite	Manganese Linoleate	Manganous Phosphate	Manganous Sulfate,Aqueous	Mannitol	MEA(Ethanolamine)	Manganese Sulfate			
Formula			MgCO ₃	MgCl ₂		Mg(OH) ₂	(CH) ₂		MgSO ₄	MgSO ₃ : 4HOH		MgSO ₄ : 7H ₂ O	Mg(OH) ₂	Mg(NO ₃) ₂ : 6H ₂ O	(HCCOOH) ₂	COCO(CH) ₂ O	HCCHC(O)NHNHCO	COOHC ₂ H ₂ CH(OH)COOH	CaH ₅ CHOHCOOH	Mn(C ₂ H ₅ O ₂) ₂				MnCl ₂ : 4H ₂ O	MnCO ₃	MnCO ₃	MnO ₂	Mn(C ₆ H ₁₁ O ₇) ₂ : 2HOH	Mn(H ₂ PO ₂) ₂ : HOH	Mn(C ₁₆ H ₃₁ O ₂) ₂	Mn ₃ (PO ₄ H) ₂ : 7HOH	MnSO ₄ : 4HOH	CaH ₄ (OH) ₆	HO(CH ₂) ₂ NH ₂				
Aluminum	B	C	B	D	D	D		B				B	D	B	B	B	B	B																			B	
Brass	B	D	B	B	B	B		B				B	D	B	B		B	B																			B	
Carbon Steel	B			C	B	B	B	B				C	B	B	B				D		C	C																
Alloy 600				A				A							B			A																				
Alloy 400/450(Monel®)	B	B	B	B	A	B		B					A	B	B	B		B						A													B	
Alloy 20	A	B	A	B		A		A					A	A	B	B		B						B		A											A	
Alloy C 276 (Hastelloy®)			B	A		B		A					B	A	B	B		B																				
Titanium				A				A							A			A																				
Cast Iron	B	D	B	D		B		B					B		C	B		D																			D	
316 Stainless Steel	A	B	A	B	A	A	A	A				B	A	A	B	B		B						A													A	
630 Stainless steel				C		A		A						A																								
Carpenter 20®	A	B	A	B		A		A					A	A	B	B		B						B		A											A	
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A				A	A	A	A	A		A			A	A	A		A										A	A	A	
Nylon				C		D		A					D								A	A															A	
Polyethylen(PE)				B	B			B																														
POM (Delrin®)	A	A	A	A	A	A	A	A				A	A	A	A	C		A					A	A		A									C	A		
PCTFE (Kel-F®)																																				A		
PEEK	A	A	A	A		A		A					A	A	A	A		A						A		A										A	A	
PVDF				A	A		A					A		A	A			A																				
UHMWPE				B	A		A						A	A	A			B																				
TPE				C		C																																
Poly Acrylate	D					D						D												D	D	A												
Poly Urethane	D			A		D																		B	B	B												
NBR	D	B	B	B	A	A	B	A	A	A	B	A	B	B	D	D		A			C	A	A	A	A	B									B	D	B	
FPM (Viton®)	D	B	B	B	A	A	B	A	A	A	A	A	A	A	B	A	A		A		C	C	A	A	A										D	D	B	
Neoprene	D	B	B	B	A	A	B		A			A	B	A	D	D		B						A	A	D									A		B	
EPDM	A	B	B	B	A		A	A	A	A	D	A	A		D	D		D			C		B	A	D										D	B	B	
Kalrez®				A		A		A	A	A			A		A	A	A	A	A	A						A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®		A	A	A	A		A						A	B	A	A		A						A		A										A		A
Silicone	D			A				A	A	A	D	A			D									A	A	D											B	
Fluorosilicone	D			A				A	A	A	B	A												A	A	A											D	

Fluid Name	Mayonnaise	Meat Juices	Melamine	Melamine Resins	Mercaptans	Mercuric Chloride	Methanol	Mercaptobenzothiazole(MBT)	Mercuric Acetate	Mercuric Chloride	Mercuric Chloride (dilute)	Mercuric Cyanide	Mercuric Iodide	Mercuric Nitrate	Mercuric Sulfate	Mercurous Nitrate Hydrated	Mercurous Nitrate	Mercury	Mercury Fulminate	Mercury Vapor	Mesityl Oxide	Metaldelyde	Methacrylic Acid	Methanol Std,fluorocarbon not satisfactory	Mercury	Methane	Methanethiol	Methoxychlor	Methyl Abietate	Methyl Acetate	Methyl Acetoacetate	Methylacetophenone	Methyl Acrylate	Methylal	Methyl Alcohol(Methanol)	Methylallyl Chloride	Methane		
Formula								CCHCHCHCHCCSC(SN)N	Hg(C ₂ H ₃ O ₂) ₂	HgCl ₂	Hg(CN) ₂	Hgl ₂	Hg(NO ₃) ₂	HgSO ₄	HgNO ₃ · 2HOH		Hg	Hg(CNO) ₂	Hg	(CH ₃) ₂ : CHCOOCH ₃	(CH ₃ CHO) ₆	H ₂ : C(CH ₃) ₂ : COOH		Hg	CH ₄	CH ₃ SH	CL ₃ DDH(C ₈ H ₄ OCH ₃) ₂	C ₁₅ H ₂₆ COOCH ₃	CH ₃ CO ₂ CH ₃	CH ₃ COCH ₂ CH ₃	CH ₃ COCH ₃	CH ₂ : CHCOOCH ₃	CH ₃ COCH ₂ OCH ₃	CH ₃ OH	CH ₂ : C(CH ₃)CH ₂ Cl	CH ₄			
Aluminum	D	B		B		B			D	D					D	D								D	A												A		
Brass	D	D				B			D	D					D	D									D	A												A	
Carbon Steel	D								D	D								A							A	B												B	
Alloy 600																		A								A													
Alloy 400/450(Monel®)	B					B			D	C					D	B										B													
Alloy 20	A	A		C		A			B	A					A	A										A													
Alloy C 276 (Hastelloy®)	A								B	C	B							B								A													
Titanium											A							D								A													
Cast Iron	D		D			B			D	D								A								B													
316 Stainless Steel	A		C			A			B	B								A	A						A	A													B
630 Stainless steel																																							
Carpenter 20®	D	A		C		A			B	A								A	A							A													
PTFE/PFA (Teflon®)	A	A	A	A		A		A	A	A								A	A		A	D		B		A	B			D	D		D		A				
Nylon						C												A																					
Polyethylen(PE)																		B																					
POM (Delrin®)	A			A		A					A							A	A							A	A											B	
PCTFE (Kel-F®)						A																																	
PEEK	A	A		A		A					A							A	A								A												
PVDF						A							A					B						A			A											A	
UHMWPE	D	A				A				A	A							A	A																				
TPE										B								B																					
Poly Acrylate				D	D																	D		D															
Poly Urethane	D			D	D																		D		D														
NBR	A	B	C	B	D	A		C		A	A	A						A		A	D		C	A	A	A			D	D		D		A					
FPM (Viton®)	A		A		D	A		A		A	A	A						B	A		A	D		C	A	A	A			D	D		D		B				
Neoprene	D	B		B	D	A					B							A				D		A		B													
EPDM	D			A	A	A		A		A	A							A		A	B		B	A	A	D				B	B		B		A				
Kalrez®						A		A	A	A		A	A	A	A	A	A	A	A	A	A	A		A		A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®	A	A		A		A					A							B	A							A													
Silicone	A				D	A												A				D		D	A	D				D	B		D		A				
Fluorosilicone	D				D	A												A				D		D	A	B				D	D		D		A				

Fluid Name	Formula																																					
	CH ₃ CH							CH ₃ Cl	CH ₃ NH ₂	GH ₂ COOCH(CH ₃)CH ₂ CH(CH ₃) ₂	(CH ₃) ₂ CHCH ₂ CH(CH ₃)OH	(CH ₃) ₂ CH ₂ CHOHCH ₃	H ₂ NC ₂ H ₄ CO ₂ CH ₃	CaH ₅ COOCH ₃	CaH ₅ CH(CH ₃)OH	CH ₃ Br	(CH ₃) ₂ CSH(C ₂ H ₅) ₂	CH ₃ COC ₄ H ₉	CO(OCH ₃) ₂		CICH ₂ COOCH ₃		CICOOCH ₃	CH ₃ ClSI	CH ₃ C ₂ H ₅ CO	CaH ₅ CH ₃	CH ₂ Br ₂	CH ₂ Cl ₂	CH ₂ I ₂									
Aluminum	B		B	B	B		D	B												C		A															A	
Brass	B		A	A	B		B	D												C		A															A	
Carbon Steel	B	B	B	B	A	B	B	B															B														A	
Alloy 600			A		A		B	A																													B	
Alloy 400/450(Monel®)			B		A	A	B	C													B		B														A	
Alloy 20			A		A		A	A													A		A														A	
Alloy C 276 (Hastelloy®)	A		A		A	A	B	B														B	B														B	
Titanium			A		A	A		B																													A	
Cast Iron			B		A		B	B													D		B														A	
316 Stainless Steel	B		A		A	B	A	A													B		A														A	
630 Stainless steel																																						
Carpenter 20®			A		A		A	A													A		A														A	
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	D							B		B	A	D	B	A	A	A		D	A		B		A	A	A		D	A		A	
Nylon			A		A		A																														A	
Polyethylen(PE)							B																														C	
POM (Delrin®)	B		B		B	A	A														A																A	
PCTFE (Kel-F®)			A				C																														A	
PEEK			A		A		A																														A	
PVDF	C			A	C		A	B	D								A								B		B										D	D
UHMWPE	A		B				A	C	D												D																D	
TPE	B					B																																D
Poly Acrylate			D	D			C	D																														D
Poly Urethane			D	D			D																															D
NBR	B	C	A	D	D	D	A	A	B	D					D		B	D	D	D	B	C	B		D	D		D	B	D	C	D	D			A	D	
FPM (Viton®)	D		D	D	D	D	C	A	D						A		A	A	D	A	B	D	D		B	A		A	A	B	D	D				A	D	
Neoprene			D	B	D	A		D	C																													D
EPDM	A		B	A	A		D	D							D		D	D	A	D	D	B	B		D	D		D	D	D	B	B				B	A	
Kalrez®			A				A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®			A		A		A																															A
Silicone			D	D			D								D			D	D	D					D	B		D	D								A	D
Fluorosilicone			D	D			A	D							A		A		D	B					D	D		B	B								A	D

Fluid Name	Methyl Cyclopentane	Methyl Ethyl Ketone(MEK)	Methyl Ethyl Ketone Peroxide	Methyl Formate	Methyl Hexyl Ketone	Methyl Iodide	Methyl Isobutyl Ketone(MIBK)	Methyl Isocyanate	Methyl Isobutyle Ketone	Methyl Isopropyl Ketone	Methyl Lactate	Methyl Mercaptan	Methyl Methacrylate	Methyl Oleate	Methylpentadiene	Methyl Phenylacetate	Methylpyrrolidine	n - Methyl 2 - Pyrrolidone(NMP)	Methyl Salicylate	Methylsulfuric Acid	M/Methyltertiary Butyl Ether(MTBE)	Methylamine	Methyl Methacrylate	Methylene Dichloride	MI - H - 5606L	MIL - L - 7808	MIL - L - 23699	MIL - H - 46170	MIL - F - 25558(RJ-1)	MIL - F - 25656(JP-6)	MIL - F - 81912(JP-9)	MIL - F - 82522(RJ - 4)	MIL - H - 8446(MLO - 8515)	MIL - L - 23699 LUBRICANTS	MIL - L - 7808 LUBRICANTS	MIL - R - 25576(RP - 1)	MIL - S - 3136 Type Fuel	
Formula	$CH_3COCH_2CH_3$	$C_4H_{10}O_4$	$HCOOCH_3$	$CH_3COC_6H_{13}$	CH_3I	$(CH_3)_2CHCH_2COCH_3$	CH_3NCO	$CH_3COCH(CH_3)_2$	$CH_3CHOHCOOCH_3$	$CH_2 : C(CH_3)COOCH_3$	$CH_3(CH_2)COOCH_3$	C_6H_{10}	$C_6H_5CH_2COOCH_3$	$CH_3N(CH_2)_3CH_2$	$CH_3N(CH_2)_3CO$	$C_6H_4OHCOOCH_3$	CH_3HSO_4	$(CH_3)_3COCH_3$																				
Aluminum			C																																			
Brass			A																																			
Carbon Steel			C																																			
Alloy 600																																						
Alloy 400/450(Monel®)			B																																			
Alloy 20			A						A																													
Alloy C 276 (Hastelloy®)	A	B						A																														
Titanium																																						
Cast Iron			C																																			
316 Stainless Steel			B					A																														
630 Stainless steel																																						
Carpenter 20®			A					A																														
PTFE/PFA (Teflon®)	D	A		D	A	A		D	A													B	A		A	A	A	A						A	A	A	A	
Nylon																																						
Polyethylen(PE)																																						
POM (Delrin®)			A					A																														
PCTFE (Kel-F®)			A																																			
PEEK			A					A																														
PVDF						D				A							A						C															
UHMWPE	B							C	D														A															
TPE	B							B																														
Poly Acrylate	D		D					D																D	D													
Poly Urethane	D		D					D																D	D													
NBR	D	D	D	D		D	D	D	D		D	D					D		C	B	D	D	A	B	B	A	A	A	C	B	B	B	B	A	A			
FPM (Viton®)	A	D	D	D		D	D	D		D	A						B		D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Neoprene	D		D					D																D	D													
EPDM	D	A	D	B		C	C	B	A	D	B						B	B	C				D	D					D	D	D	D	D	D	D	D	D	
Kalrez®		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A								A	A	A	A	A	A	A	A	A	
Grafoil®			A					A																														
Silicone	D	D	B	D		D	D	D		D							B						D	D					D	D	D	D	D	D	D	D	D	
Fluorosilicone	B	D	D	D		D	D	D		D	B						B							D	B					A	B	B	A	A	B	B	A	A

Fluid Name	MIL - S - 3136 Type II Fuel	MIL - S - 3136 Type III Fuel	MIL - S - 3136 Type IV Oil, High Swell	MIL - S - 3136 Type IV Oil, Low Swell	MIL - S - 3136 Type V Oil, Medium Swell	MIL - T - 5624 (JP - 3, JP - 4, JP - 5)	MIL - T - 83133 (JP - 8)	Milk	Milk of lime	Mine gas	Milk & Milk Products	Mineral Oils	Mineral Oils, +200°C	Mining sewage	Mineral Spirits	Mixed Acids (cold)	Mixed Acid Etchants	MLO - 7277, 7557	MLO - 8200, 8515 (MIL - H - 8446)	MOBIL DELVAC 1100, 1110, 1120, 1130	MOBIL HF	MOBIL MIVAC 20, 30	MOBIL THERM 600	MOBILJET II Lubricant	Molybdenum Disulfide Grease	Monomethyl Hydrazine	Monomethylamine	Monovinyl Acetylene	MOPAR BRAKE FLUID	Myristic Acid	Molasses	Monoethanolamine	Monochloroacetic Acid	Monochlorobenzene	Monoethanolamine (MEA)	Mononitrochlorobenzene	Molasses, crude					
Formula																	HNO ₃ /HF/CH ₃ COOH (3/1/2)																									
Aluminum								B			A A					A D						A																B				
Brass								D			B B					B D						A																	A			
Carbon Steel								D	A A		D B A	A A				B C							C																A			
Alloy 600								A															A																			
Alloy 400/450 (Monel®)								B			B A					B C							A																A			
Alloy 20											A A					B B																								A		
Alloy C 276 (Hastelloy®)								A								B							A																			
Titanium																																										
Cast Iron											D B					B C																								A		
316 Stainless Steel								A			A A					B B							A																	A		
630 Stainless steel																																										
Carpenter 20®											A A					B B																								A		
PTFE/PFA (Teflon®)								B	B A	A A	A A A	A A A	A A A	A A A	A A A	A C	A A A	A B A	A A				A A	A A	A B	B C	A												A			
Nylon											A A					C																								A		
Polyethylen(PE)								C			A																															
POM (Delrin®)								B	A A		A A C	A A				D																								A		
PCTFE (Kel-F®)											A																															
PEEK											A A					A A																									A	
PVDF								A			A																															
UHMWPE								A			B D					D																									B	
TPE																																										
Poly Acrylate								D								A																									D D D D D	
Poly Urethane								B								B																									B D D D D	
NBR	B	B	B	A	A	A	A	A	A	A	A	A	C	A	A	A	D	D	C	B	A	A	A	A	A	A	B	D	A	C										A		
FPM (Viton®)	A	A	A	A	A	A	A	A	C	C	A	A	A	A	A	B	C	A	A	A	A	A	A	A	A	A	D	B	A	D											A	
Neoprene								A			A	B				C	D																								A	
EPDM	D	D	D	D	D	D	D	A			A	C	C			D	D	D	D	D	D	D	D	D	D	A	D	A	A	A											D	
Kalrez®	A	A	A	A	A	A	A	A			A																															
Grafoil®											A	A				A																										A
Silicone	D	D	D	B	C	D	D	A			B					D	C	A									D		B	C											D	
Fluorosilicone	B	B	B	A	A	B	B	A			A					A																										

Fluid Name	Molasses, edible	Molybdic Acid	Monochloro Benzene Dry	Morpholine	Muriatic Acid(HCL)	Mustard
Formula						
Aluminum	A		B		B	
Brass	A		B		A	
Carbon Steel	C				B	
Alloy 600						
Alloy 400/450(Monel®)	A		B	B	A	
Alloy 20	A	A	B	A	A	
Alloy C 276 (Hastelloy®)					A	
Titanium						
Cast Iron	C		B		B	
316 Stainless Steel	A	A	B	A	A	
630 Stainless steel						
Carpenter 20®	A	A	B	A	A	
PTFE/PFA (Teflon®)	A	A	A	A	A	
Nylon	A					
Polyethylen(PE)						
POM (Delrin®)	A	A	C	A	A	
PCTFE (Kel-F®)						
PEEK	A	A	A	A	A	
PVDF				A	A	
UHMWPE	B				A	
TPE						
Poly Acrylate					D	
Poly Urethane					D	
NBR	A		D	D	D	A
FPM (Viton®)	C		A	D	A	A
Neoprene	A		D	D	A	
EPDM			D	B	B	A
Kalrez®						
Grafoil®	A	A	A	A	A	
Silicone					D	A
Fluorosilicone						A

Fluid Name	Nitric Acid Anhyd.	Nitric Acid Anhydrous	Nitrobenzene	p - Nitrobenzoic Acid	Nitrocellulose	Nitroethane	Nitrogen	Nitrogen Dioxide	Nitrogen Oxides	Nitro Methane	Nitrobenzene	Nitro dilution	Nitrogen Gas	Nitrogen Peroxide	Nitrogen Peroxide, Very limited exposure	Nitrogen Trifluoride	Nitroglycerin	Nitromethane	p - Nitrophenol	2 - Nitropropane	Nitrosyl Chloride	Nitrosylsulphuric Acid	p - Nitrotoluene	o - Nitrotoluene	Nitrous Acid	Nitrous Acid 10%	Nitrous Gases	Nitrous Oxide	NMP(n - Methyl2 - Pyrrolidone)	Nonane		
Formula			C ₆ H ₅ NO ₂	C ₆ H ₄ (NO ₂)COOH		CH ₃ CH ₂ NO ₂	N ₂	NO ₂	Nox		C ₆ H ₅ - NO ₂			N ₂ O ₄		NF ₃	CH ₂ NO ₂ CHNO ₂ CH ₂ NO ₂	CH ₃ NO ₂	NO ₂ C ₆ H ₄ OH	CH ₃ CHNO ₂ CH ₃	NOCl	HNO ₂ S	NO ₂ C ₆ H ₄ CH ₃	NO ₂ C ₆ H ₄ CH ₃	HNO ₂			N ₂ O	CH ₃ NCH ₂ CH ₂ CH ₂ CO	CH ₃ (CH ₂) ₇ CH ₃		
Aluminum	D	B	C				A				C															D	B	C				
Brass	D	D	D				A				D																D	D	B			
Carbon Steel	A	D	B				A					A															D	B	B			
Alloy 600	A		A				A																						D			
Alloy 400/450(Monel®)	D	D	B				A																				D	D	D			
Alloy 20		A	A				A																				B	A	B			
Alloy C 276 (Hastelloy®)	B		B				A																		D			B				
Titanium	D						A																						B			
Cast Iron		C	B				A																				D	C	C			
316 Stainless Steel	A	A	A				A				A																B	A	B			
630 Stainless steel		D																														
Carpenter 20®		A	A				A																				B	A	B			
PTFE/PFA (Teflon®)	A	A	A				A				A	A	C				C		B						A	A	A	A				
Nylon		D	A				A																						A			
Polyethylen(PE)							A																									
POM (Delrin®)		D	B				A				D																B	B	A			
PCTFE (Kel-F®)			A																													
PEEK		D	A				A																			A	A	A				
PVDF			C			C		A									A	C														
UHMWPE			D				A																						C			
TPE			D																													
Poly Acrylate			D						D			A		D																		
Poly Urethane			D						D			A		D																		
NBR		D	D			D	A		D	D	C	A	D	D			D		D							C		B				
FPM (Viton®)		A	B			D	A	D	D	C	C	A	D	D			D		D							B	A	A	B			
Neoprene		D	D	D			A		D			A		D												A		B		A		
EPDM		D	D			B	B		A	D	C	A	D					B		B									B			
Kalrez®		A	A	A	A	A	A	A						B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®		D	A				A																			A	A	A				
Silicone			D			D	A			D		A	D	D				D		D								A	A	A		
Fluorosilicone			D			D	A			D		A	D	D				D		D								A	B			

Fluid Name	Octachloro Toluene	n - Octadecane	Octafluorocyclobutane	Octafluoropropane	Octanal	n - Octane	n - Octyl Acetate	n - Octyl Alcohol	n - Octyl Chloride	Oils&Fats	Oils, Animal	Oils, Petroleum Refined	Oils, Petroleum Sour	Oils, Water Mixture	Oil, Air Force Hydraulic, MIL - H5608B	Oil, Asphalt Base	Oil, Bunker C Fuel Oil	Oil, Castor	Oil, Chinawood	Oil, Coconut	Oil, Corn	Oil, Cottonseed	Oil, Cude(Asphalt Base)	Oil, Cude(Corrosive)	Oil, Cude(Paraffin Base)	Oil, Cude(Sweet)	Oil, Cutting Soluble	Oil, Diesel	Oil, Domestic Fuel	Oil, Fuel&Gas	Oil, #6Fuel Oil	Oil, Hydraulic	Oil, Linseed	Oil, Lubricating	Oil, Mineral	Oil, Nut	Oil, Olive		
Formula		$C_{18}H_{38}$	C_8F_{16}	C_8F_{16}	$CH_3(CH_2)_8CHO$	$CH_3(CH_2)_8CH_3$	$CH_3COO(CH_2)_7CH_3$	$CH_3(CH_2)_8CH_2OH$	$CH_3(CH_2)_8CH_2Cl$																														
Aluminum										B	A	A	A	A																									
Brass											A	B	C	A																									
Carbon Steel											A	A	B	B																									
Alloy 600																																							
Alloy 400/450(Monel®)											B	A	A																										
Alloy 20										A	A	A	A	A																									
Alloy C 276 (Hastelloy®)											A	A	A	A																									
Titanium																																							
Cast Iron											A	A	C	B																									
316 Stainless Steel										A	A	A	A	A																									
630 Stainless steel																																							
Carpenter 20®										A	A	A	A	A																									
PTFE/PFA (Teflon®)	A						A			A	A	A	A	A																									
Nylon										A	A	A	A	A																									
Polyethylen(PE)																																							
POM (Delrin®)										A	A	A	A	A																									
PCTFE (Kel-F®)																																							
PEEK										A	A	A	A	A																									
PVDF											A																												
UHMWPE																																							
TPE																																							
Poly Acrylate															A	B	A	A	A	A	A	A	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A		
Poly Urethane															B	B	A	A	C	A	A	A	B	B	B	B	A	A	A	A	A	A	A	A	B	A	A	A	
NBR	D	A				B	B		B	A	A	B	A	A	B	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
FPM (Viton®)	A	A	B			A	A			B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Neoprene											B	B	B	B	D	D	D	A	B	A	C	C	D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	
EPDM	D	D	A			D	A		D	B	D	D		D	D	D	B	D	D	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
Kalrez®	A	A	B	B	A	A	A	A			A	A	A																										
Grafoil®										A	A	A	A	A																									
Silicone	D	D				D	B							D	D	D	A	D	B	A	A	A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
Fluorosilicone	B	A				B	B							A	B	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	

Fluid Name	Oil, Palm	Oil, Paraffin Base(Petroleum)	Oil, Peanut	Oil, Petroleum(Crude)	Oil, Pine	Oil, Quenching	Oil, Rapeseed	Oil, Silicone	Oil, Soya Bean	Oil, Tall	Oil, Transformer	Oil, Vegetable types(Food Service)	Oil, Vegetable types(Not - Food Service)	Oil, and Freon 11&12&114	Oil, and Freon 22(Low Aniline Oil)	Oil, and Freon 22(High Aniline Oil)	Oil - Water emulsion	Olaic Acid	Olefin, Crude	Olefinis	Oleic Acid	Oleum	Oleum (Fuming Sulfuric Acid)	Oleum 25%	Oleum Spirits	Oleyl Alcohol	Olive Oil	Orthochloro Ethyl Benzene	Oronite8200&8515	Orthodichlorobenzene	OS 45and OS - 45 - 1	Oxalic acid	Oxalic Acid	Oxygen, gaseous, low pressure	Oxygen, Gas (Hot)	Oxygen, Liquid	Ozonated Deionized Water		
Formula																					$\text{CH}_3(\text{CH}_2)_n\text{COOH}$				$\text{CH}_3(\text{CH}_2)_n\text{CH}_2\text{OH}$							$\text{C}_{10}\text{H}_{16}\text{O}_4$	$\text{HOOC-COOH} : \text{HOH}$		O_2	O_2	$\text{O}_2 : \text{H}_2\text{O}$		
Aluminum																	B				B B			D		A						C	C						
Brass																						B C			D		B						B	B					
Carbon Steel																A						C B				B						B	D						
Alloy 600																						A B											B						
Alloy 400/450(Monel®)																A						B C			D	A						B							
Alloy 20																B						A B			B	A						B							
Alloy C 276 (Hastelloy®)																						B B		A								D							
Titanium																																							
Cast Iron																									D	B							D						
316 Stainless Steel																B						B B			B	A					B	B							
630 Stainless steel																																D							
Carpenter 20®																	B					A B			B	A					B								
PTFE/PFA (Teflon®)	A															A						A A	A A	A A	A D					A A	A		D	D					
Nylon	A																					A D			D	A					D								
Polyethylen(PE)																																							
POM (Delrin®)																A									D	A					C	C							
PCTFE (Kel-F®)																																A							
PEEK	A																					A D			D	A					A								
PVDF																						A				A					A	A							
UHMWPE																									D	A						A							
TPE																						A			C														
Poly Acrylate	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D			A				D								D	D						B		
Poly Urethane	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D		A					D			C			A	D	D						A			
NBR	D	A	A	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	B	C	D	B			A	D	D	D	D	C	C	B	D	D					
FPM (Viton®)	C	A	A	A	A	A	A	A	A	A	A	A	D	D	D	A	A	A	C	A	A	A			A	A	A	A	A	B	A	A	C	D	A				
Neoprene	D	D	D	D	D	D	A	A	A			D	D	A	A	A						D	D		D	B	A	D	A	B	A								
EPDM	D	D	D	D	D	D	D	A	D	D	D	D	D	D	D							D	D	D	D	B	D	D	D	D	A	A	D	D	B				
Kalrez®																						A	A	A		A	A					A	A	B	A				
Grafoil®	A																					A				A					A								
Silicone	D	D	D	D	D	D	D	D	A	A	D	D	D	D	D			D				D	D	D	D	C	D	D	D	D	B	A	B						
Fluorosilicone	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D			A					D	B		B	A	B	A	B	B	A	A	A					

Fluid Name	Oxygen, Liquid	Oxalic acid (cold)	Oxygen	Oxygen	Oxygen	Oxygen gas, +60 °C (oxygen)	Oxygen max, +60 °C	Ozone, dry	Ozone, wet	Ozone	Ozone(High Concentration)	Ozone(High Concentration Dynamic)
Formula			O ₂	O ₃						O ₃		
Aluminum			A	B				A B				
Brass			A A	B				A B				
Carbon Steel			B B	C	A A			A C				
Alloy 600			A					A A				
Alloy 400/450(Monel®)			A					A A				
Alloy 20			A					A A				
Alloy C 276 (Hastelloy®)		B	A					A A				
Titanium												
Cast Iron			B					A C				
316 Stainless Steel												
630 Stainless steel			A A	A				A A				
Carpenter 20®			A									
PTFE/PFA (Teflon®)			A					A A				
Nylon			A A	A A	A A	A A		A A A				
Polyethylen(PE)			D					D D				
POM (Delrin®)			D D	D	A A			C C				
PCTFE (Kel-F®)								A A				
PEEK			A					A A				
PVDF										A		
UHMWPE		A A						C C	A			
TPE		D							C			
Poly Acrylate	D										A A	
Poly Urethane	D										A A	
NBR	D D	B D	D A	A A			D D	D D	C C			
FPM (Viton®)	D A	A B	A A	A A			B B	A A	A A			
Neoprene	D	A					C C		B B			
EPDM	D	A D	A				A B	A D	D D			
Kalrez®			A						A			
Grafoil®			D									
Silicone	D									A A	D	
Fluorosilicone	D									A A	D	

Fluid Name	Paints&Solvents	Paint Thinner - DUCCO	Palmitic Acid	P3E - special	Palatal	Paraffin	Paraffin Oil and Jet	Palm Oil	Paper Pulp	Parafomaldehyde	Paraldehyde	Par - al - Ketone	Parathion	Peanut Oil	Pelargonic Acid	Paraldehyde	Pectin Liquor	Penicillin Liquid	Pentane	Pentachloroethane	Pentachlorophenol	Pentaerythritol	Pentaerythritol Tetranitrate(PETN)	Pentafluoroethane(FC-125)	n - Pentane	Peracetic Acid	Perchloric acid	Pentanol	Pentachloro Phenol	Perchloroethylene	Petrolatum	Petrolatum <121 °C/250°F	Petrolatum >121 °C/250°F	Petroleum, Crude	Peroxide of Hydrogen	Perchloroethylene	Petroleum Ether (Ligarine)				
Formula			$CH_3(CH_2)_{14}COOH$																																						
Aluminum	A	B				A	A	D	B																																
Brass	A	B				A	B	B	A																																
Carbon Steel	A	C	B	A		B	C		B																																
Alloy 600		A							A																																
Alloy 400/450(Monel®)	A	B				A	A	B	B																																
Alloy 20	A	B				A	A	A	B	B																															
Alloy C 276 (Hastelloy®)						B			A									A									B		B	A											
Titanium									B																																
Cast Iron	A	C				B	C	B	B																																
316 Stainless Steel	A	B				A	B	A	B	B																															
630 Stainless steel																																									
Carpenter 20®	A	B				A	A	A	B	B																															
PTFE/PFA (Teflon®)	A	C	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	C	A	B	A	A	A	A	A	A			
Nylon		D				A	A	A																																	
Polyethylen(PE)																																									
POM (Delrin®)		A	B	C	B		A	A	B						A																										
PCTFE (Kel-F®)																																									
PEEK	A	A				A	A	A	A						A																										
PVDF		A				A			A			A																A													
UHMWPE						C	A											D									B			B									D		
TPE																																								C	
Poly Acrylate						A	A								A	A												D		B								D	A		
Poly Urethane		A				A	A								A	D												D	D	A								D	B		
NBR	D	D	B	A	C	A	B	B	B	D	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	D	B	C	B	A	A	D	A	A	A	A	A	A	A		
FPM (Viton®)	B	B	A	B	C	A	A	B		D	A				A	C	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	B	A	A	A	A	A	A	
Neoprene	D	B				C	D	B	B						B	C	D											A	B	D									D	D	
EPDM	D	D	B	C	C	D	D	B	D	D	C	D	D	D	A											D	B	B	A	D	D	D	D	D	D	D	D	A	A		
Kalrez®		A	A			A			C	A	B	A	A	A				A		A	A	A	A	B	A	A	A		A	A	A	A	A	A	A	A	A				
Grafoil®	A	A				A	A	A	A						A																										
Silicone		D	D			B	D			D	A				A	A	D									D	D	D	D	D	D	D	D	D	D	D	D	D	B	D	
Fluorosilicone		B	A			A	A			D	A				A												C	A	A	B	B	A	B	A	B	A	A	A	B	A	A

Fluid Name	Petroleum Ether, Liquified (UL approved)	Phenol	Pentane	Pentane	Petroleum	Parez607	Perchloroethylene, dry	Petrolatum (Vaseline Petroleum Jelly)	propulsion fuel = JP - 4	Perchloroethylene	Petrol (pure)	Petroleum	Petroleum crude	Phenetyl Alcohol	Phenetole	Phenolsulfonic Acid	Phenylacetamide	Phenyl Acetate	Phenylbenzene	p - Phenylenediamine	Phenylethyl Ether	Phenylhydrazine	Phenylmercuric Acetate	Phenol 10%	Phenylacetic Acid 75%	Phenylcellosalve	Phorone	Phosgene	Phosphine	Phosphoric Acid 25%	Phosphoric Acid 45%	Phosphoric Acid 80%	Phosphoric Etchantis	Phosphorous Oxychloride	Phosphorous Tribromide	Phosphorous Trichloride	Phosphorous Molten				
Formula	C ₆ H ₆ OH	C ₆ H ₁₂											C ₆ H ₅ CH ₂ CH ₂ OH	C ₆ H ₅ OC ₂ H ₅	HOC ₆ H ₄ SO ₃ H	C ₆ H ₅ CH ₂ CONH ₂	C ₆ H ₅ OOCCH ₃		C ₆ H ₄ (NH ₂) ₂		C ₆ H ₅ NHNH ₂	C ₆ H ₅ HgOOCCH ₃			(CH ₃) ₂ CCHCOCH(CH ₃) ₂	COCl ₂	PH ₃				H ₃ PO ₄	H ₃ PO ₄ /HNO ₃ /CH ₃ COOH	POCl ₃	PBr ₃	PCl ₃	P					
Aluminum	B	A	A	B			B	B					A																												
Brass	B	B	A	B			C	B					D																												
Carbon Steel	D	B	B	B	D		B	C	A	A	A	A	B																												
Alloy 600	B	B																																							
Alloy 400/450 (Monel®)	A	B					B	A																																	
Alloy 20	A	A					A	A																																	
Alloy C 276 (Hastelloy®)	A						B																		B																
Titanium	A	A																																							
Cast Iron	D	B					B	C																																	
316 Stainless Steel	A	B	A	A	D		A	B					A																												
630 Stainless steel	B																																								
Carpenter 20®	A	A					A	A																																	
PTFE/PFA (Teflon®)	A	A	A	A	A		A	A	A	A	A	A	D						C		D	A		A		D			A		A							A			
Nylon	D						A																																		
Polyethylen (PE)																																									
POM (Delrin®)	C	A	B	A			B	A	A	C	A	B	B																												
PCTFE (Kel-F®)	A																																								
PEEK	A	A					A	A																															D		
PVDF	A			A																								C		A						C			A		
UHMWPE	D						A																		B																
TPE																																									
Poly Acrylate	B	D																								D	D												C		
Poly Urethane	A	D																								D	D												D		
NBR	A	D	A	B	B		D	A	B	C	B	B	B	D					D		D	D		D	D	D	D											D			
FPM (Viton®)	A	B	A	A	A		A	A	B	C	A	A	A	D	A				A	D	D	A		A	D	A	D												A		
Neoprene	D	D	B				D	B																		D	A													B	
EPDM	A	D	D	D	D		D	D	B	C	A	A	D	D					D		D	D		A	A	A													A		
Kalrez®	A	A					C						A	A	A	A	A	A	A	A	A	A	A				A	A	A	A										A	
Grafoil®	A	A					A	A																																	
Silicone	D	D												D					D		D	D				D	A	D											C	B	D
Fluorosilicone	A	B												D					B		D					D	A	D													A

Fluid Name	Phosphate Ester 10%	Phosphate Ester	Phosphoric - 10% - cold	Phosphoric - 10% - Hot	Phosphoric Acid	Phosphoric Acid 10%	Phosphoric Acid (<40%)	Phosphoric Acid (>40%)	Phosphoric Acid (crude)	Phosphoric Acid 50% cold	Phosphoric Acid 50% Hot	Phosphoric Acid 85% cold	Phosphoric Acid 85% Hot	Phosphoric Anhydride	Phosphorous Trichloride	Photographic developer	Phthalic Acid	Phthalic Anhydride	Pickling Solution	Picoline, Alpha	Picric Acid, Aqueous Solution	Picric Acid	Pine Oil	Pine Tar	Pinene	Piperazine	Pineapple Juice	Pitch (Bitumen)	Pit water	Piperidine	Piranha	Plating Solution, Chrome	Plating Solution, Others	Polyethylene Glycol	Polyglycerol	Polyvinyl Acetate Emulsion	Potash		
Formula					H ₃ PO ₄												C ₆ H ₄ (COOH) ₂	C ₆ H ₄ (CO) ₂ O				C ₆ H ₄ (COOH) ₂	C ₆ H ₄ (CO) ₂ O					NH(CH ₂) ₂ NH(CH ₂) ₂				(CH ₂) ₂ NH	H ₂ SO ₄ : H ₂ O ₂		HOCH ₂ (CH ₂ OCH ₂) _n H ₂ OH	(CH ₂ OHCHOHCH ₂) _n	CH ₂ CH(OOCCCH ₃)		
Aluminum	D	A	A	D	D					D	D	D	D	A	D		B	A				C	A				A	C											
Brass	D	D	B	B	D	D				D	D	D	D				B	B				C	B				C	A											
Carbon Steel	A	A	D	D	D	D				D	D	B	C		B		C	C				D	B				C	B											
Alloy 600			A	D						A	D	A	D				B	A																					
Alloy 400/450(Monel®)	A	A	A	A	D					C	C	A	A				A	A				D	B				A												
Alloy 20	A	A	A		B					B	B	B	B	A	A		B	B				B	A				A	A											
Alloy C 276 (Hastelloy®)						A	A	A		D						B	B	A				B																B	
Titanium		A	D							D	D	D	D				A																						
Cast Iron	A				D					D	D	B	C		C		C	C				D	B				C												
316 Stainless Steel	A	A	B	D	B	D				B	D	A	B	A	A		B	B				B	A				A	A	A										
630 Stainless steel					B					B	D	C	D										C																
Carpenter 20®	A				B					B	B	B	B	A	A		B	B				B	A				A	A											
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B			A	A		A		A	A	A				A	A	A			A	
Nylon	A				D					D	D	D	D	D	D		A	A				B																	
Polyethylen(PE)																																							
POM (Delrin®)	A	A	D	D	D					D	D	D	D	B	D		A	A				D	A				A	A	A										
PCTFE (Kel-F®)					A					A	A	A	A																										
PEEK	A				A					A	A	B	B	A	A		A	A				A	A				A	A											
PVDF																A	A	A	A				A																
UHMWPE					A	A	B	B	A	A	A	A				A	A	A				A	D																A
TPE																																							D
Poly Acrylate																																							
Poly Urethane																						B																	
NBR	D	D	B	B	B	B	D	D	D	B	B	C	C	D	D	A	C	C	D		B	C	A		B		A	C	A	D		D	A	B		A	A		
FPM (Viton®)			A	A	A	A	A	A	A	A	A	B		B	B	A	A	D	B	D		A	B	A		A		A	A	D		A	A	C		C	A		
Neoprene			A	A		B				B	B	C	C	D	D		C	C				A	A	D			A	C											
EPDM	A	A			B	B				B	B				B		B	C	A		A	A	B	D		D		D	A	D		B	A	A		A			
Kalrez®					A					A	A	A	A				A	A	A				A	A	A	A			A	A	A	A	A	A	A	A	A		
Grafoil®	A				A					A	A	A	A	A	A		A	A									A	A											
Silicone																						D		D	D		D					D	D						
Fluorosilicone																						D		B	B	A						D		B					

Fluid Name	Potassium Hydroxide	Potassium Acetate	Potassium Chloride	Potassium Molten	Potassium Acetate	Potassium Bicarbonate	Potassium Bicarbonate	Potassium Bifluoride	Potassium Dichromate	Potassium Bisulfate	Potassium Bisulfite	Potassium Bitartrate	Potassium Bromide	Potassium Carbonate	Potassium Chlorate	Potassium Chloride	Potassium Chloride	Potassium Chromate	Potassium Citrate	Potassium Copper Cyanide	Potassium Cyanate	Potassium Cyanide sols	Potassium Cyanide	Potassium Dichromate	Potassium Ferriyanide	Potassium Fluoride	Potassium Gluocyanate	Potassium Hydroxide	Potassium sulphate	Potassium phosphate	Potassium ferrocyanide	Potassium Hypochlorite	Potassium Permanganate	Potassium Dichromate	Potassium Ferrocyanide	Potassium Hydroxide Dilute Cold	
Formula				K	KC ₂ H ₃ O ₂	KHCO ₃	KHF ₂	KHSO ₄	KHSO ₃	KHC ₄ H ₄ O ₆	KBr	K ₂ CO ₃	KClO ₃	KClO ₄	KCl	K ₂ CrO ₄	K ₃ C ₆ H ₅ O ₇ : HOH	C ₂ CuN ₂ : K	KOCN		KCN	K ₂ Cr ₂ O ₇	K ₃ Fe(CN) ₆	KF	K ₂ H ₁₁ O ₇	KOH	K ₂ SO ₄						K ₄ Fe(CN) ₆ : 3H ₂ O				
Aluminum	D	B	B			A		A	B	B		D	D	D	D	B						D	A	B			D	A	B	A	D	A	A	B	D		
Brass	D	B	B								C	C	B	B	C	B	B					D	D	B			D	B	B	B	D	B	B	B	D		
Carbon Steel											D	D	B	C	C	C						B	C	C			C	C	A	A	C	B	B	C	A		
Alloy 600										D		B	B	C	B							B		B			A			B	D	B	B				
Alloy 400/450(Monel®)	B	B	B			B		A	B	D		A	B	C	B	B						B	B	B			A			B	D	B	B	A	A		
Alloy 20	A	B	B			A		A	A	B		B	B	B	A	B						B	A	B										B	B		
Alloy C 276 (Hastelloy®)						B				C		B	A	D	B	A					B	B	B			B			B	B	B	D					
Titanium												A	A	A	A									A			D			A	A		A				
Cast Iron	B	B	B							D		D	B	B	B	B						B	C	C										C	A		
316 Stainless Steel	B	B	B			A		A	A	B		A	B	B	B	C	B					B	B	B			A	B	A	B	B	B	A	B	B		
630 Stainless steel												C	A	B	B									B											B		
Carpenter 20®	A	B	B			A		A	A	B		B	B	B	A	B						B	A	B										B	B		
PTFE/PFA (Teflon®)	A	A	A			A		A	A	A		A	A	A	A	A		A				A	A	A			A	A	A	A	A	A	A	A	A	A	
Nylon													B	B	B							B		B			C		B						B		
Polyethylen(PE)													B	B	B							B		B			C		B		B						
POM (Delrin®)	D	A	A			A		B	A	A		A	A	A	A	B	A					A	A	A			A	A	A				A	A	D		
PCTFE (Kel-F®)																																		A	A		
PEEK	A	A	A			A		A	A	A		A	A	A	A	A						A		A										A	A	A	
PVDF												A	D	C	A								B	A	A										A		
UHMWPE						A							A	A	A	A						A	A	A			A		A					A	A	A	
TPE															B							B		C			D										
Poly Acrylate			D			D						D	D	A								A					D										
Poly Urethane			D			D						D	D	A								A					D										
NBR	B	A				B	A	B		B	B	A		A	A	A	A	B		A		A	A	A			B	A	A	A				A	A	A	
FPM (Viton®)	B	D	A			D	A			B	A	A		A	A	A	A	B		A		A	A	A			B	A	A	A				A	A	D	
Neoprene	B	B	A	C		A				B	B	A		A	A	A	A					A	A	A			A		A	A					A	A	B
EPDM	B	A	A	B		A	A				B		B	B	B	A	A	B		A		A	A	B			A	A					B				
Kalrez®		A	A	A	A	A	A			A	A	A	A	A	A	A		A	A	A	A	A	A	A		A	A	A							A	A	A
Grafoil®	A	A	A			A		A	A	A		A	A	C	A							A		A											A	A	
Silicone		A				D	A					A	A	A								A		A			C										
Fluorosilicone		A				D	A					A	A	A								A		A			C										

Fluid Name	Pyruvic Acid	Propene Gas	Propyl Bromide	Propylene Glycol	Pyridine	Pyrogalllic Acid
Formula	CH ₃ COCOOH					
Aluminum	A	B	A	B	B	
Brass	A	B	B		B	
Carbon Steel	B		B		B	
Alloy 600						
Alloy 400/450(Monel®)	B	B	B		B	
Alloy 20	A	A	B	A	A	
Alloy C 276 (Hastelloy®)	A					
Titanium						
Cast Iron	B	B	B	B	B	
316 Stainless Steel	B	B	B	B	B	
630 Stainless steel	A				B	
Carpenter 20®	A	A	B	A	A	
PTFE/PFA (Teflon®)	A	A	A	A	A	
Nylon	A					
Polyethylen(PE)						
POM (Delrin®)	A	A	C	D	A	
PCTFE (Kel-F®)				A	A	
PEEK	A	A	A	A	A	
PVDF						
UHMWPE	A	A				
TPE						
Poly Acrylate						
Poly Urethane						
NBR	A	B	A	D	A	
FPM (Viton®)	A	B	A	D	A	
Neoprene	B	B	A	D	A	
EPDM		D	B	B	B	
Kalrez®	A	A	A	A	A	
Grafoil®	A	A	A	A		
Silicone						
Fluorosilicone						

Fluid Name	Quench Oil						Radiation	Raffinate	Rapeseed Oil	RED line 100 OIL	Resins & Rosins	Resorcinol	Rhodium	Riboflavin	Ricinoleic Acid	RJ - 1 (MIL - F - 25558)	RJ - 4 (MIL - F - 82522)	Road Tar	Roof Pitch	Rosin Emulsion	Rosin Paper Mill	Rosins	RP - 1 (MIL - R - 25576)	Rum	Rust Inhibitors	RP - 1 Fuel	Rubber Latex Emulsions	Rubber Solvents
	Quinine, Sulfate dry	Quinine	Quinizarin	Quinoline	Quinone	Formula																						
Aluminum	A										A							A	A	A					A	A	A	
Brass	B										A							A	A	B					A	A	A	
Carbon Steel	B										C							A	A	C					A	B	A	
Alloy 600																												
Alloy 400/450 (Monel®)	B										A							A	A	A					A	A	A	
Alloy 20	A	A									A	B						A	A	A					A	A	A	
Alloy C 276 (Hastelloy®)																												
Titanium																												
Cast Iron	B										C							A	A	C					A	B	A	
316 Stainless Steel	A	A									A	B						A	A	A					A	A	A	
630 Stainless steel		B									B																	
Carpenter 20®	A	A									A	B						A	A	A					A	A	A	
PTFE/PFA (Teflon®)	A	A					A	A	A	A	A	A			A	A	A	A	A	A	A	A			A	A	A	
Nylon											A																	
Polyethylen (PE)																												
POM (Delrin®)	A	A									A							A	A	A					A	A	C	
PCTFE (Kel-F®)																												
PEEK	A	A									A	A						A	A	A					A	A	A	
PVDF			A																									
UHMWPE											A										B							
TPE																												
Poly Acrylate																					D	D						
Poly Urethane																					D	D						
NBR	A						C	B	A	C	D				A	B	B	B	D	A	A	A	A	A	A	B	D	
FPM (Viton®)	A						D	A	A	A	A				A	A	A	A	B	A	A	A	A	A	A	A	D	
Neoprene	B							B		C							C	C	C	A	A				B	C		
EPDM							A	D	D		D				D	D	D				A	A	D		D			
Kalrez®		A	A	A	A	A	B	A	A	A	A	A	A	A	A	A					A	A						
Grafoil®	A	A								A	A							A	A	A					A	A	A	
Silicone							B	D	D						D	D					A	A	D					
Fluorosilicone							D	A	A						A	A					A	A	A					

Fluid Name	Salad Oil	Salad dressings	Salt	Salt Brine	Sauerkraut Arine	Sea Water	Saccharin Solution	Sal Ammoniac	Salicylic Acid	Salt Water	SANTOSAFE300	Sebacid Acid	Selenic Acid	Selenious Acid	Sewage	SHELL TELLUS 27 (Petro Base)	SHELL UMF (5%Aromatic)	Shellac	Silane	Silicate Esters	Silicone Tetrachloride	Silicone Tetrafluoride	Silicone	Silver nitrate	Silicone Fluids	Silver Bromide	Silver Chloride	Silver Cyanide	Silicate Esters	Silver Oxide	Silver Sulfate	Silver Salts	Silver Nitrate 10%	Silver Plating Sol	Skydrol 500B	Skydrol (7000and500)	SKYDROL 500			
Formula			NaCl						C ₆ H ₄ (OH)(COOH)			COOH(CH ₂) ₈ COOH	H ₂ SeO ₃						SiH ₄		SiCl ₄	SiF ₄		AgNO ₃		AgBr	AgCl	AgCN		Ag ₂ O	AgSO ₄									
Aluminum			B	B	C				C										A					D	B	D	D	D							B					
Brass	B	B	B	B	C				C										A						D	B	D	D	D						D					
Carbon Steel	C	C			D				D										A						D	D	D								D					
Alloy 600			A		A				B																B															
Alloy 400/450(Monel®)	B	A	B		A				A										A						D	B	B	B							D					
Alloy 20	A	A	B	B	B				B										A						A	B	A	A								A				
Alloy C 276 (Hastelloy®)			A		A				B																A	A	B													
Titanium			A		A																				A	A	A													
Cast Iron	C	C	D		D				D										B						D	B		D												
316 Stainless Steel	B	B	B	B	B				A										A						B	B	A	D	A						A	A				
630 Stainless steel																																								
Carpenter 20®	A	A	B	B	B				B										A						B	A	A									A	A			
PTFE/PFA (Teflon®)	A	A	A	A	A			A	A	A	A								A	A	A	A		A	A	A	A	A	A						A	A	A	A		
Nylon				C	C																						B													
Polyethylen(PE)			B		B																				B	A														
POM (Delrin®)	A	A	A	C	A				A										A						B	A	D	D							A	D				
PCTFE (Kel-F®)																										A														
PEEK	A	A	A	A	A				A										A						A	A	A	A								A	A			
PVDF									A															A	A			A												
UHMWPE			A	A	A				A										A						A	C	A									A				
TPE					A																				A													D		
Poly Acrylate			D		D				A																A			D	D						D			D		
Poly Urethane			D		D				A																A			D	D						D			D		
NBR	A	A	A	A	A				A	B									A					A	C	B		B	B					A	B		D	D	D	
FPM (Viton®)	A	A	A	B	A				A	A	B	A							B	A	A	A		A	A	B		B	A					A	A		D	D	A	
Neoprene	A	A	D		B				A	A									B						C	B		B	B					A	A	B		D		
EPDM	B	A	B		A				A	A	A	C							A	D	D	A		D		A	A							D	D		A		A	
Kalrez®					A	A			A	A	A	A	A	A	A				A	A	A	A		A	A	A	A	A	A					A	A				A	
Grafoil®	A	A	A	A	A				A										A						A	A	A	A								B				
Silicone			A		A				B	A	A								A	D	D			D														D	C	
Fluorosilicone			A		A				A	A	A								A					A	A														D	C

Fluid Name	Sodium Chloride Solution	Sodium Chlorite	Sodium Chloroacetate	Sodium Chromate	Sodium Citrate	Sodium Cyanate	Sodium Cyanide	Sodium Chlorate	Sodium Chloride	Sodium Diacetate	Sodium Dichromate	Sodium Ethylate	Sodium Ferricyanide	Sodium Ferrocyanide	Sodium Fluoride	Sodium Fluorosilicate	Sodium Glutamate	Sodium Hydride	Sodium Hydro sulfide	Sodium Hydroxide	Sodium Hydroxide 20% Cold	Sodium Hydroxide 20% Hot	Sodium Hydroxide 50% Cold	Sodium Hydroxide 50% Hot	Sodium Hydroxide 70% Cold	Sodium Hydroxide 70% Hot	Sodium Hypochlorite	Sodium Hypophosphite	Sodium Hypochlorite(Bleach)	Sodium Hyposulfite	Sodium Iodide	Sodium Lactate	Sodium Metaphosphate	Sodium Methylate	Sodium Lactate	Sodium Metasilicate Cold		
Formula	NaCl	NaClO ₂	ClCH ₂ COONa	Na ₂ CrO ₄ : 10HOH	CaH ₆ O ₇ Na ₃ : 2HOH	NaOCN	NaCN			CH ₃ COONa : x(C ₂ H ₃ COOH)	Na ₂ Cr ₂ O ₇ : 2HOH	CaH ₅ ONa	Na ₃ Fe(CN) ₆ : 10HOH	Na ₄ Fe(CN) ₆ : 10HOH	NaF	Na ₂ SiF ₆	COOH(CH ₂) ₂ CH(NH ₂)COONa	NaH	NaSHH : 2HOH	NaOH						NaOCl : 2H ₂ O	NaH ₂ PO ₂ : HOH			NaI	CH ₃ CHOHCOONa	(NaPO ₃) _n	CH ₃ ONa		Na ₂ SiO ₃			
Aluminum			D	D		D	C	B					A		C					D	D	D	D	D	D			D	B		D	A				B		
Brass			A			D	B	B							C					D	A	A	A	A	A	B		D			C					B		
Carbon Steel			B			B	C	C							D					B	A	B	A	B	A	B		D			B					C		
Alloy 600			A			A	A	A												A																		
Alloy 400/450(Monel®)			B			B	C	A					B	B						A	A	A	B	A	B		D	B		B						A		
Alloy 20			B	B		A	B	A					A	A						B	A	A	A	B	B		C	B		A	B					A		
Alloy C 276 (Hastelloy®)	A		A			A	B	A					B														A			A								
Titanium			A			A	A	A							B					B								A										
Cast Iron			B			B	C	C							D						A	B	B	B	A	B		D			C					C		
316 Stainless Steel			A	B		A	B	B					A	B						A	A	A	A	A	A		D	B		A	B					A		
630 Stainless steel						B									B						A	C	B	C	B	C		D			B							
Carpenter 20®			B	B		A	B	A					A	A							B	A	A	A	B	B		C	B		A	B					A	
PTFE/PFA (Teflon®)	A		A	A		A	A	A					A	A						A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Nylon								B							C					B	C	C	C	C	C			B								A		
Polyethylen(PE)						B		B							B					B																		
POM (Delrin®)			A	A		A	A	A					A	A							D	D	D	D	D	D		D	A		B	A				A		
PCTFE (Kel-F®)								A													A	A	A	A	A	A												
PEEK			A	A		A	A	A					A	A							A	A	A	A	A	A		A	A		A	A				A	A	
PVDF	A		A			A	C	A		A			A	A						C							C											
UHMWPE	A					A	A	A					A	A							A	A	A	A	A	A		A										
TPE	A					B																																
Poly Acrylate																																						
Poly Urethane																																						
NBR	A		A	A		A	A	A							A					B	A	B	B	B	D	B		B			A					B		
FPM (Viton®)	A		A			A	A	A							A					C	B	C	C	C	C	A		A			A						B	
Neoprene	A		A			A	A	A							A					B	A	B	A	B	C	D		B			B						A	
EPDM	A		B			B	B	B							B					A	B	B	B		B	B		A			A							
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®				A		A	B	A					A	A							A	A	A	A	A	A		A	A		A	A				A	A	A
Silicone	A					A														B							B											
Fluorosilicone	A					A														B							B											

Fluid Name	Succinic Solution	Sulfamic Acid	Sulfanilic Acid	Sulfite Liquors	Sulfolane	Sulfur, Molten	Sulfur, Chloride	Sulfur, Dioxide	Sulfur, Hexafluoride	Sulfur, Tetrafluoride	Sulfur, Trioxide, Dry	Sugar - beet juice	Sugar, Syrup&Jam	Sulfate Liquors	Sulfate, Black Liquor	Sulfate, Green Liquor	Sulfate, White Liquor	Sulphur	Sulphur Chloride	Sulphur Dioxide	Sulphur Dioxide - Dry	Sulphur Dioxide - Wet	Sulphur Molten	Sulphur Trioxide	Sulphuric Acid 0 - 7%	Sulphuric Acid 20%	Sulphuric Acid 50%	Sulphuric Acid 100%	Sulphuric Acid	Sulfur	Sulfur Chlorides	Sulfur, Dioxide Gaseous	Sulfur Dioxide Liquid	Sulfur Dioxide, dry	Sulfur Dioxide, wet	Sulfur Hexafluoride	Sulfur Molten			
Formula	$C_{12}H_{22}O_{11}$	$HOSOONH_2$	$H_2NC_6H_4SO_3H : HOH$		$(CH_2)_4SO_2$	S	S_2Cl_2	SO_2	SF_6	SF_4	SO_3							S	SCl_2	SO_2				SO_3				H_2SO_4												
Aluminum													B	C	D	B	A	D	A	D	A	B	A	D	D	D	B	A	D					A	C	A	A			
Brass													B	C	C	C	D	D	C	D	D	B	C	C	C	C	D	D	B					B	D	B	D			
Carbon Steel											B			B	B	C	B	D	B	D	B	B	D	D	D	B	D	C	D					B			C			
Alloy 600															B	D	A		B	B	B	B	D	D	D	D	D													
Alloy 400/450(Monel®)														B	B	C	A	C	B	D	A	B	A	A	D	D	D	B	B					B	A		D			
Alloy 20											A			B	B	D												A	A					B	B	A	A			
Alloy C 276 (Hastelloy®)													B	A	B		B	A	C	D	A	B				B							A	B		B				
Titanium																	A							B	C	D	D	A												
Cast Iron												C		C	C	C												C	D					B			B			
316 Stainless Steel														B	B	B	A	C		A	A	A	B	B	D	D	A	B	D					A	A	A	B			
630 Stainless steel											A			A	A	B																			A	C				
Carpenter 20®											A			B	B	D											A	A						B	B	A	A			
PTFE/PFA (Teflon®)					A	A	A	B	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Nylon																																						A		
Polyethylen(PE)																																								
POM (Delrin®)										A	A			C	A	D					A	A				C	A	D	D	C	A	A		A	D	A	D			
PCTFE (Kel-F®)																																								
PEEK											A			A	A	A																					A	A	A	A
PVDF																																								
UHMWPE											A	A							C	B	A															A	A	B		
TPE																																								
Poly Acrylate																																							D	
Poly Urethane																																								
NBR	A		B	B	D	D	B	D	A	B	C	C	C	D	D	D	D	D	D	D	D	D	C	B	C	C	D	C	D	D	D	D	D	D	D	D	B	D		
FPM (Viton®)	A		A	B	A	A	C	C	A	C	C	C	A	C	C	C	A	A	A	A	A	A				A	A	A	B	A	A	A	D	D	D	D	A	B		
Neoprene										B	B	B	B	B	B	B					C	D			A	B	C	D	C	A	D	D	D	D	B	B	C			
EPDM	A		B	A	C	D	A	A	B	A	B																	B	C	A	A	A	B		B					
Kalrez®	A	A	A	A	A	A	A	B	B	A				A	A	A												A	A					A	A	C	A			
Grafoil®											A			A	A	A													A	A					A	A	A	D		
Silicone	A		D	C	C	B	B	B			D																							C	B	B		B		
Fluorosilicone	A		B	A	A	B	B	B			B																							A	A	B	B		B	

Fluid Name	Sulfur Trioxide	Sulfur Trioxide ,dry	Sulfuric acid(10%)	Sulfuric acid(10 - 75%)	Sulfuric acid(20% Oleum)	Sulfuric acid(98%)	Sulfuric Acid (0 to 50%)	Sulfuric acid(75 - 100%)	Sulfuric acid(cold cone)	Sulfuric acid(hot cone)	Sulfuric Acid (Concentrated)	Sulfurous Acid	Sulphita Pulp	Sulfuric Acid 0 to 77%	Sulfuric Acid 100%	SUNOCO SAE 10	SUPERSHELL Gasoline	SWANFINCH EP Lubricant
Formula						H ₂ SO ₄						H ₂ SO ₄						
Aluminum	A											C		C	D			
Brass	B	B										D		C	C			
Carbon Steel	B	B										D		D	C			
Alloy 600																		
Alloy 400/450(Monel®)		B										D		B	D			
Alloy 20	B	B										B		B	A			
Alloy C 276 (Hastelloy®)	B	B	B	B	B			A	D			B						
Titanium																		
Cast Iron	B	B										D		D	B			
316 Stainless Steel	B	B										B		C	A			
630 Stainless steel	B	B													B			
Carpenter 20®	B	B										B		B	A			
PTFE/PFA (Teflon®)	A	A	A	A	D		A	A	A			A		A	A	A	C	B
Nylon		A										D		D	D			
Polyethylen(PE)																		
POM (Delrin®)	D	A										C		D	D			
PCTFE (Kel-F®)														A	A			
PEEK	A	A										A		A	A			
PVDF																		
UHMWPE		C	A	A				B	C	D		B		B	D			
TPE			A					C	B									
Poly Acrylate	D						D					D		D				
Poly Urethane							C					D						
NBR	D	D	A	B	B	D	D	C	D	D	D	B	B	B	D	A	A	A
FPM (Viton®)	B	A	A	A	A	A	A	A	B	A	A	C	A	A	B	A	A	A
Neoprene	D	D					C					D	B	B	B	D		
EPDM		B		A	D	A						C	B	B	C	D	D	D
Kalrez®	A	A		A	A							A		A	A	A	A	A
Grafoil®	D	D										A		A	D			
Silicone	B			A	D	D						D	D	D		D	D	D
Fluorosilicone	B			A	D	C							B			A	B	A

Fluid Name	Fluid Name																																										
	Tallow	Tallow - Hot	Tall Oil	Tannic Acid	Tanning Liquors (Vegetable)	Tar&Tar Oils	Tar, Hot	Tar and orosote	Tannic Acid(Tannin)	Tannic Acid	Tannic Acid(Weak)	Tanning Liquors	Tartaric Acid	TEOS(Tetraethylorthosilicate)	Terephthalic Acid	Terpineol	Terpiny Acetate	Tetrabromomethane	Tetrabutyl Titanate	Terpentine	Tetrachloroethane	Tetrachloroethylene	Tetraethyl Lead	Tetrafluoroethane(FC 134a)	Tetrafluoromethane(FC 14)	Tetrahydrofuran(THF)	TETRALIN(Tetrahydronaphthalene)	Tetramethyl ammonium hydroxide	TEXACO 3450 GEAR OIL	TEXACO UNI - TEMP GREASE	TEXAMATIC 3525 Fluid	THERMINOL 55	Thioglycolic Acid	THIOL TP - 90B	THIOL TP - 95	Thionyl Chloride	Thiophene						
Formula				$C_{16}H_{32}O_{16}$									$HOOC(CH_2OH)_2COOH$	$(C_2H_5)_4SiO_4$	$CaH_4(COOH)_2$	$C_{10}H_{17}OOCCH_3$			$Ti(OC_4H_9)_4$		$(CH_2Cl)_2$	$Cl_2C : CCl_2$	$Pb(C_2H_5)_4$	CF_3CH_2F	CF_4	$CH_2CH_2CH_2CH_2O$	$C_{10}H_{12}$	$(CH_3)_4NOH$				$HSCH_2COOH$		$SOCl_2$									
Aluminum		C	B	A	A	C		A	B												B		B																				
Brass		B	B	A	A	B																B		B																			
Carbon Steel		B	C	A	A	C		C	D												C		A	C																			
Alloy 600								A	A																																		
Alloy 400/450(Monel®)		B		A	B			B	B															A																			
Alloy 20		B		A	B			B	A															B																			
Alloy C 276 (Hastelloy®)		A	B	B				B	B													A																					
Titanium								A	B																																		
Cast Iron		B		A	C				D																																		
316 Stainless Steel		B	A	A	A	B		B	A													B		B																			
630 Stainless steel				A	B				A																																		
Carpenter 20®		B		A	B			B	A															B																			
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A	A	A					A	C	A	A	D	D	A					D	D		A	A	A						A	A					
Nylon		D						A																																			
Polyethylen(PE)								B	D																																		
POM (Delrin®)		A	A	A	C	A		A	D	A											A		C	A																			
PCTFE (Kel-F®)																																											
PEEK		A		A				A	A															A																			
PVDF	A		A	A					A														B				C	B									A			C			
UHMWPE	C		B	A				A	A	A													B																				
TPE			A						C																																		
Poly Acrylate		A	A	D	D		D																D	D																			
Poly Urethane		A	A																				D	D																			
NBR	A	A	B	A	B	C	B	B	B	A	A	B	C	A	B	D	B	B	D	D	B	D	D	B		A	D	D		A	A	A	B	D	D	D	D	D	D	D	D	D	
FPM (Viton®)	A	A	A	A	A	C	A	B	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A		A	D	A		A	A	A	A						A	A	B		
Neoprene		C	D	B	B	C	C	B				D	B										D	D	B																		
EPDM		D	D	A	A	D	D	B					B	A	C	D	A	D	D	D	D	D	D			A	C	D		D	D	D	D						A	A	C		
Kalrez®	A		A	A									A	A	A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®			A	A									A											A																			
Silicone	D	D	B	B	B	B							A	D							D	D				D	D	D		D	B	D	D										
Fluorosilicone	A	A	A	A	A								A	A	A	B	D					B	B	B			D	A		A	A	B						B	B				

Fluid Name	Thiophosphoryl Chloride	Thiourea	Thorium Nitrate	Tetrahydrofuran	Tin Salts	Tidewater Oil, BEEDOL	Titanic Acid	Titanium Dioxide	Titanium Sulfate	Titanium Tetrachloride	TMA (Trimethylamine)	TMAH (Tetramethyl Ammonium Hydroxide)	TMA (Trimethylaluminum)	TMB (Trimethyl Borate)	TMCTS (Tetramethylcyclohexatrioxane)	TMP (Trimethyl Phosphate)	TMPO (Trimethyl Phosphate)	Toluol/Toluene, +20°C	Town gas	Toluol (Toluene)	Toluene Diisocyanate	p - Toluenesulfonyl Chloride	p - Toluidine	Toluquinone	p - Tolyaldehyde	Transformer Oil	Transmission Fluid Type A	Tomato Juice	Trichloroethane	Transformer Oil	Tributyl Mercaptan	Tributyl Phosphate	Trichloroacetic Acid (TCA)	Trichloroacetyl Chloride	1, 2, 3 - Trichlorobenzene	1, 1, 1 - Trichloroethane	Trichloroethylene (TCE)					
Formula	PSCl ₃	Th(NO ₂) ₄ · 4HOH					H ₂ TiO ₃	TiO ₂	Ti(SO ₄) ₂ · 9HOH	TiCl ₄	(CH ₃) ₃ NH	(CH ₃) ₄ NOH	(CH ₃) ₃ Al	(CH ₃) ₃ B	(H ₃ C)(H ₃)O ₄	(CH ₃ O) ₃ P	(CH ₃ O) ₃ PO			C ₆ H ₅ CH ₃	CH ₃ C ₆ H ₄ (NCO) ₂	H ₃ CC ₆ H ₄ SO ₂ Cl	CH ₃ C ₆ H ₄ NH ₂	CH ₃ C ₆ H ₃ O ₂	CH ₃ C ₆ H ₄ CHO						(C ₄ H ₉) ₃ PO ₄	CCl ₃ COOH	CCl ₃ COCl	C ₆ H ₃ Cl ₃	CH ₂ Cl ₂	CHCl ₃ : CCl ₄						
Aluminum																				A																						
Brass																				A																						
Carbon Steel																				A	A																					
Alloy 600																					A																					
Alloy 400/450 (Monel®)																					A																					
Alloy 20																					A																					
Alloy C 276 (Hastelloy®)					A	C															A																					
Titanium																					A																					
Cast Iron																					A																					
316 Stainless Steel																					A																					
630 Stainless steel																					A																					
Carpenter 20®																					A																					
PTFE/PFA (Teflon®)				A	A	A				B											A	A	D	D				A	A	A						A	C		D	D		
Nylon																					A																					
Polyethylen (PE)																					A																					
POM (Delrin®)																					C	A	C																			
PCTFE (Kel-F®)																					A																					
PEEK																					A																					
PVDF										A											A																					
UHMWPE				C																	D																					
TPE				B																	B																					
Poly Acrylate																					D																					
Poly Urethane																					D																					
NBR					D	A	A				B										C	A	D	D				A	A	A	D	A	D	D	B			D	C			
FPM (Viton®)					D	A	A				A										C	A	B	C					A	A	A	A	A	A	D	C			A	A		
Neoprene											D										D																					
EPDM											D										C		D	B					D	D									D	D		
Kalrez®	A	A	A				A	A	A	A	B	B	A	A	A	A	A	A			A	A	A	A	A	A	A	A	A													
Grafoil®																					A																					
Silicone							B				D										D	D							B	B										D	D	
Fluorosilicone							A				B										B	D																			B	B

Fluid Name	Formula	Aluminum	Brass	Carbon Steel	Alloy 600	Alloy 400/450(Monel®)	Alloy 20	Alloy C 276 (Hastelloy®)	Titanium	Cast Iron	316 Stainless Steel	630 Stainless steel	Carpenter 20®	PTFE/PFA (Teflon®)	Nylon	Polyethylen(PE)	POM (Delrin®)	PCTFE (Kel-F®)	PEEK	PVDF	UHMWPE	TPE	Poly Acrylate	Poly Urethane	NBR	FPM (Viton®)	Neoprene	EPDM	Kalrez®	Grafoil®	Silicone	Fluorosilicone			
Trichlorofluoromethane(FC 11)	CCl ₃ F																																		
Trichlorophenylsilane	Cl ₃ SiC ₆ H ₅																																		
1, 2, 3 - Trichloropropane	CH ₂ ClCHClCH ₂ Cl																																		
Trichlorosilane	SiHCl ₃																																		
Trichlorotrifluoroethane(FC 113)	CCl ₂ FCClF ₂																																		
Tricresyl Phosphate	(C ₆ H ₅ CaH ₄ O ₃) ₃ P ₂ O																																		
Triethanolamine(TEA)	(C ₂ H ₅ CH ₂) ₃ N																																		
Triethylaluminum	(C ₂ H ₅) ₃ Al																																		
Trichlorethylene		A																																	
Tricresyl Phosphate																																			
Trichloro Benzene																																			
Trichloro - acetic acid, max. +60 °C																																			
Trichloroacetic Acid																																			
Trichloroethane																																			
Trichlorethylene(tr)																																			
Trichloropropane																																			
Tricesylphosphate																																			
Triethanolamine																																			
Triethylamine																																			
Triethylborane	(C ₂ H ₅) ₃ N																																		
Triethyl Borate	(C ₂ H ₅) ₃ B																																		
Triethylene Glycol(TEG)	(C ₂ H ₅) ₃ BO ₃																																		
Triethylenetetramine(TETA)	HO(C ₂ H ₄ O) ₃ H																																		
Tri - Normal - Butyl Phosphate	NH ₂ (C ₂ H ₄ NH) ₂ C ₂ H ₄ NH ₂																																		
Triacetin	CaH ₅ (OCOC ₂ H ₅) ₃																																		
Triallyl Phosphate	(C ₂ H ₅) ₃ PO ₄																																		
Trifluoroacetic Acid	CF ₃ COOH																																		
Trifluoroethane(FC 143a)	(CH ₃) ₂ CH																																		
Trimethylaluminum(TMAI)	(CH ₃) ₃ Al																																		
Trimethylamine(TMA)	(CH ₃) ₃ N																																		
Trimethyl Borate(TMB)	(CH ₃ O) ₃ B																																		
2, 2, 4 - Trimethylpentane	(CH ₃) ₂ CHCH ₂ CH ₂ CH(CH ₃) ₂																																		
Trimethyl Phosphate(TMPO)	(CH ₃ O) ₃ P																																		
Trimethyl Phosphate(TMP)	(CH ₃ O) ₃ P																																		
Trimethylolpropane	C ₂ H ₅ C(CH ₂ OH) ₃																																		
Trinitrotoluene(TNT)	CH ₃ Ca ₂ H ₃ (NO ₂) ₃																																		
Trioctyl Phosphate	(C ₈ H ₁₇) ₃ PO ₄																																		

Fluid Name	Tritium	Tung Oil(China Wood Oil)	Tungsten Hexafluoride	Tungstic Acid	Turbine Oil No 15(MIL L - 7808A)	Turpentine	Tributoxyethyl Phosphate	Tributylamine	Tributyl Citrate	Trisodium Phosphate	Tung Oil	Turpentine	750Nato Symbol O - 149	Turpentine oil
Formula	T		WF ₆	H ₂ WO ₄	C ₁₀ H ₁₆	(CH ₃ (CH ₂) ₈ O)(CH ₂) ₂ O) ₃ PO	(C ₄ H ₉) ₃ N	C ₈ H ₁₅ O(COOC ₄ H ₉) ₃						
Aluminum										D	B	B		
Brass											B	B		
Carbon Steel											B	B	A	A
Alloy 600												A		
Alloy 400/450(Monel®)											C	B		
Alloy 20										B	A	B		
Alloy C 276 (Hastelloy®)										A	A	A		
Titanium												A		
Cast Iron											B	B		
316 Stainless Steel										B	A	B		
630 Stainless steel												A		
Carpenter 20®										B	A	B		
PTFE/PFA (Teflon®)	A			A	A					A	A	A	A	A
Nylon												A		
Polyethylen(PE)														
POM (Delrin®)										A	A	A	B	A
PCTFE (Kel-F®)														
PEEK										A	A	A		
PVDF					A									A
UHMWPE										A		D		
TPE										A				
Poly Acrylate										D	A	B		
Poly Urethane										D	A	B		
NBR	A			B	A	D				A	A	C	C	A
FPM (Viton®)	A			A	A	A				B	A	A	A	A
Neoprene										A	B	D		
EPDM	D			D	D	A				B	D	D	C	
Kalrez®	A	A	A	A	A	A	A	A						
Grafoil®										A	A	A		
Silicone	D			D	D					A	D	D		
Fluorosilicone	B			B	B	B				A	A	A		

Fluid Name	Water, Distilled	Water, Boiler Feed	Water, acid mine	Water, distilled	Water, Fresh	Water, Salt	Whiskey	Water, Acid Mine	Water, +80 °C	Water, +180 °C	Water	Waxes	Water to 275°F	Water to 180°F	Water, Detergent Solution to 180°F	Water, Sea, to 180°F	Water, Soap Solution to 180°F	Water, with Soluble Oil, to 180°F	Whiskey and Alcoholic	Wine	WAGNER 21B Brake Fluid	WEMCO C	Whiskey&Wines	White Pine Oil	Wolmar Salts	White liquor (pule mill)
Formula											H ₂ O															
Aluminum	A	C				A	C	C	D			A	A								C		D			
Brass	A	C				A	C	C	D			A	A								B		B			
Carbon Steel	D	B				C	D	D	D	A	A	D	A								D		D			
Alloy 600																										
Alloy 400/450(Monel®)	A	A				A	A	C	D			A									B		A			
Alloy 20	A					A						A											A			
Alloy C 276 (Hastelloy®)	A		A	A	A	A			C			A											A		A	
Titanium																										
Cast Iron	D					C			D			A											D			
316 Stainless Steel	A					A			B																	
630 Stainless steel	A					A						A											A			
Carpenter 20®			B	A	A	A	B																A		A	
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A	A	A	A	A	A								A	A	A	A	A	A
Nylon																								A		
Polyethylen(PE)							B	B													B					
POM (Delrin®)	A					A		A	A	C	B	A									A		A			
PCTFE (Kel-F®)																										
PEEK	A					A			A			A											A			
PVDF	A											A									A					
UHMWPE	A		A	A	A	A	A		A														C		A	
TPE						A	A																			
Poly Acrylate													D	D	D	D	D	D	D	D	D	D				
Poly Urethane													D	D	D	D	D	D	D	D	D	D				
NBR	C		A	A	A	A	A	B	A	C	B	A	D	B	B	B	B	B	B	A	A	C	A	A	B	A
FPM (Viton®)	B		A	A	A	A	A	D	A	C	B	A	B	B	B	B	B	B	B	A	A	D	A	A	A	A
Neoprene	B					B		A	A			B	C	B	C	C	C	B	C	C				A		
EPDM	B					B			A	A	A	C	A	A	A	A	A	D	A	A	A	D	A	D	A	
Kalrez®	A					A			A			A										A	A	A	A	A
Grafoil®	A					A			A			A											A			
Silicone												A	D	B	B	B	B	D	A	A	C	D	A	D	A	
Fluorosilicone												A	A	A	A	A	A	B	A	A	D	A	A	A	A	

Fluid Name	Formula					Zeolites	Zinc Acetate	Zinc Ammonium Chloride	Zinc Bromide	Zinc Chloride	Zinc Chromate	Zinc Cyanide	Zinc Diethyldithiocarbamate	Zinc Fluorosilicate	Zinc Hydrosulfite	Zinc Naphthenate	Zinc Nitrate	Zinc Oxide	Zinc Phenolsulfonate	Zinc Phosphate	Zinc Salts	Zinc Stearate	Zinc Sulfate	Zinc Sulfide	Zinc Sulphate
	Xe	C ₈ H ₁₀ (CH ₃) ₂	(CH ₂) ₂ CaH ₃ NH ₂	Xylol	Xylene(Xylol),Dry																				
Aluminum					A A																				
Brass					A A																				
Carbon Steel					B B																				
Alloy 600																									
Alloy 400/450(Monel®)					A																				
Alloy 20																									
Alloy C 276 (Hastelloy®)					A																				
Titanium																									
Cast Iron					D																				
316 Stainless Steel																									
630 Stainless steel					A																				
Carpenter 20®					B																				
PTFE/PFA (Teflon®)	A	D	B	D	A	A	C	A	B																
Nylon					A																				
Polyethylen(PE)																									
POM (Delrin®)					A																				
PCTFE (Kel-F®)					A																				
PEEK					A																				
PVDF				A	A			A	A	A	A				A	A									
UHMWPE					D																				
TPE					B																				
Poly Acrylate																									
Poly Urethane					D																				
NBR	A	D	C	D	D			B	B	B										A	A	A	A		
FPM (Viton®)	A	B	D	A	A	A		A	D	B	A									A	A	A	A		
Neoprene					D																				
EPDM	A	D	D	D	D	A	A	B	A											A	A	A	A		
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®					A																				
Silicone	A	D	D	D	D															A	A	A	A		
Fluorosilicone	A	A	D	A	D	A	D													A	A	A	A		



Hy-Lok



Fluid Compatibility Guide

12951 Gravois Road, Suite 100

St. Louis, MO 63127

Phone: 314-842-5335 or 800-462-5769

Fax: 314-842-8777

Email: frontdesk@processcontrolsolutions.com