



Hy-Lok

Fluid Compatibility Guide

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	Abietic Acid	Acetaldehyde	Acetamide	Acetamine	Acetanilide	Acetate Solvents	Acetic Acid	Acetic Acid, 20%	Acetic Acid, 30%	Acetic Acid, 80%	Acetic Acid, aerated	Acetic Acid, Air Free	Acetic Acid, crude	Acetic Acid, glacial	Acetic Acid, pure	Acetic Acid, 10%	Acetic Acid, 80%	Acetic Acid Vapors	Acetic Acid, concentration 50%	Acetic Acid, concentration 80%	Acetic Anhydride	Acetoacetic Acid	Acetone	Acetone Cyanohydrin	Acetonitrile	Acetophenetidin	Acetophenone	Other Ketones	Acetylacetone	Acetyl - o - Toluidine	Acetyl Bromide	Acetyl Chloride	Acetylen	Acetylen Gas	Acetylen Gas with Water or Liquid Hydrocarbon	Acetylen Tetrabromide	Acid Furnes			
Formula	C ₁₉ H ₃₇ COOH	CH ₃ CHO	CH ₃ CONH ₂		C ₈ H ₉ NH(COCH ₃)		CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	CH ₃ COOH	(CH ₃ CO) ₂ O	CH ₃ COCH ₂ COOH	CH ₃ COCH ₃	(CH ₃) ₂ COHCN	CH ₃ CHN	CH ₃ CONHC ₆ H ₄ OC ₂ H ₅	CaH ₅ COCH ₃		CH ₃ COCH ₂ OCCH ₃	CH ₃ CONHC ₆ H ₄ CH ₃	CH ₃ COBr	CH ₃ COCl	CaH ₂		(CHBr) ₂					
Aluminum	B	B			A	B					B	B	C		C	C	C	B				B	A															B		
Brass	C	B			B	D					D	B	C		C	C	C	D				D	A						A					A	B			D		
Carbon Steel	C	B			A	D					D	D	C		D	C	C	B	B			D	A						A					A				D		
Alloy 600	B					B																	A																	
Alloy 400/450(Monel [®])	A				A	C					A	A	B		D	B	B	C				B	A						A						B	A				
Alloy 20	A					C					A	A			A	A	A	B				B	A						A										B	
Alloy C 276 (Hastelloy [®])	A	A			A	A	A			A	A	A	A	A	A	A	A	A				A	A						A						A	A				
Titanium						A																			A												A			
Cast Iron	C	B			B						D	D	C		D	C	C					D	A						A					D	A			D		
316 Stainless Steel	A	B			A	A					A	A	A	D	A	A	A	D				B	A						A					C	A			B		
630 Stainless steel												A	A	A	A	A	A	D				B	A						A						A					
Carpenter 20 [®]	A										A	A			A	A	A	B				B	A						A									B		
PTFE/PFA (Teflon [®])	A	B	A		A	A	A				A	A	A	A	A	A	A	A	A	A	A	A	A		A		D	A	D					A	A			A	A	
Nylon	B					D					B	B	B	B	B	B	B					B	B											A				A		
Polyethylen(PE)						C																		C																
POM (Delrin [®])	A					D	D				D	D	D	D	B	D		C	C	C		A	A					D						A	B			D		
PCTFE (Kel-F [®])						A					A	A	A	A	A	A		A				A														A				
PEEK	A	A			A	A					A	A	A	A	A	A	A					A	A						A									A		
PVDF	D	A				A																	D	A		C		A		D		A								
UHMWPE	D	A				A	A	A	D					D	A	C		C				D	B											D	D					
TPE						A	A																B	B												A				
Poly Acrylate	D					D	D							D				D				D	D						D											
Poly Urethane	D					D	D							D				D				D	D						D							A	A	D		
NBR	D	A	A			D	D	B	B	C	C	C	D	C	D	D	D	D	C	C		D	D		C		D	D	D						D	B	A	A	D	C
FPM (Viton [®])	D	C				D	D	B	C	B	C	D	D	D	D	D	D					D	D		A		D	D	D						A	A	A	A		
Neoprene	C	B				D	C				C	C	D	D	D	C	D	C				C	D					D							D	B	B	B	B	
EPDM	B	A				A	B		A					B		B	C	A	A			B	A		A		A	D	A						D	A	A	A		
Kalrez [®]	A	C	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										C	
Silicone	B	B				D	A		A					B				B				C	C					D		D						C	B	C	D	
Fluorosilicone	D	A				D	B		B					D				C				D	D					D		D									B	

Fluid Name	Aconitic Acid	Acridine	Acrolein	Acrylic Acid	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%UDMH)	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	Aldelyde Acetaldehyde	Alkanesulphonic Acid, Mixed	Alkazene	Alkyl Benzene	Alkylate, Light	Alkyl Arysulphonic Acie	Allyl, Ketone	Allyl, Chloride					
Formula	$H(COOH)C : C(COOH)CH_2(COOH)$	$C_{13}H_{9}N$	CH_2CHCHO	$CH_2 : CHCOOH$	C_3H_5N	$COOH(CH_2)_6COOH$																																			
Aluminum					B	B									A	B	B		B	A	B	B		B	B		A														
Brass					A	A									A	B		B	A	B	B			B	B		A														
Carbon Steel					A	A									A	B	B		B	A	B	B		B	B		B														
Alloy 600						A										A																									
Alloy 400/450(Monel®)					A	A									A	A	B		A	B	B				B	A		A													
Alloy 20					B										A	B		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														
316 Stainless Steel					A	A									A	A	A		A	A	B	A		B	A		A														
630 Stainless steel															A																										
Carpenter 20®					B										A	B		A	A	A	A			A	A		A														
PTFE/PFA (Teflon®)				D	A	A	B	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														
Polyethylen(PE)																																									
POM (Delrin®)					A	C									A	A	A		A	A	A			A	D		A														
PCTFE (Kel-F®)					A																																				
PEEK					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			
FPM (Viton®)			D	D	C	C	B	A	A	A	A	A	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	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		
Grafoil®					A										B	A		A	A	A				A	A		A														
Silicone				D	D	B	B	B	D	B	C	C	D	A	A	D								A	A	A	B			A	D		D	D	D	B	D				
Fluorosilicone				D	A	A	A	B	A	C	C	D	A	A	A	A								A	B	A	B			D	B		A	A	D	D					

Fluid Name	Alumina	Alum Solution	Aluminum Acetate	Aluminum Bromide	Aluminum Chlorate	Aluminum Chloride	Aluminum Chloride, 20%	Aluminum Chloride dry	Aluminum Chloride, Solution	Aluminum Ethylate	Aluminum Fluoride	Aluminum Fluorosilicate	Aluminum Hydroxide	Aluminum Nitrate	Aluminum Oxalate	Aluminum Phosphate	Alum (Aluminum Potassium Sulfate)	Aluminum Salts	Aluminum Sodium Sulfate	Alum (Aluminum Sulfate)	Alurns	Aluminum oxide, max. +100 °C	Aluminum Sulphate, Solution	AMBREX 33	AMBREX 830	Amines	Aminoanthraquinone	p - Aminoazobenzene	p - Aminobenzoic Acid (PABA)	2 - (2-Aminoethoxy)ethanol	p - Aminophenol	2 - Aminopyridine	4-Aminosalicylic Acid	Ammonia	Ammonia + Lithium Metal Solution	Ammonia 10%	Ammonia Nitrate			
Formula			$Al(C_2H_3O_2)_3$	$AlBr_3$	$Al(ClO_3)_3$	$AlCl_3$				$Al(OC_2H_5)_3$	AlF_3	$Al_2(SiF_6)_3$	$Al(OH)_3$	$Al(NO_3)_3 \cdot 9H_2O$	Al_2Co_{12}	$AlPO_4$	$AlK(SO_4)_2 \cdot 12HOH$		$AlNa(SO_4)_2 \cdot 12HOH$	$AlK(SO_4)$		Al_2O_3	$Al_2(SO_4)_3$				$C_6H_4(CO)_2C_6H_4NH_2$	$C_6H_5NNC_6H_4NH_2$	$NH_2C_6H_4CO_2H$	$NH_2CH_2CH_2OCH_2CH_2OH$	$C_6H_4NH_2OH$	$C_6H_5NH_2$	$NH_2C_6H_4(OH)COOH$	NH_3		NH_3	NH_3			
Aluminum	A	C			D	B	C			C		B	D	B		D			C							B								C						
Brass	A	D			D	B				D		A	D			D			C								B								D					
Carbon Steel					D	C				D		D							D		A					B									A					
Alloy 600					D														D							B														
Alloy 400/450(Monel®)	C	C			B	B	B			B		B	C	B		C			C							B									A					
Alloy 20		B				D	B					B	B	A		B			B							B														
Alloy C 276 (Hastelloy®)	A	B			A	A	B	A		B		B	B	A		A			A	B					B												A			
Titanium										B		A							A							A														
Cast Iron		D				D				D		D	D			D			D							C														
316 Stainless Steel	A	A			D	C	D			C		A	C			B			B							A										A				
630 Stainless steel		B					C					B				C			A							A														
Carpenter 20®		B				D	B					B	B	A		B			B							A														
PTFE/PFA (Teflon®)	A	A	A		A	A	A	A		A		A	A	A	A	A	A		A	A	B			A	A	A		A						C	A	D	A	A		
Nylon	A				B					B		B	B	D		A			B																					
Polyethylen(PE)					B					B									B																					
POM (Delrin®)	D	C			C	D				D		D	C	C		D			D		B					D														
PCTFE (Kel-F®)	A																		A																					
PEEK	A	A			A	A	A			A		A	A	A		D			A								A													
PVDF		A		A	A						A	A	A						A					A														A		
UHMWPE	A	A			B	B	A			A		A	A			A			A	A																		C	A	
TPE					C														B	D							A													
Poly Acrylate		D								A		D											D				D													
Poly Urethane										C																	D													
NBR	A	A	B	A		B	A	B	B		A		A	B		A	B	A		A	A	A		A	A	A	D			D					B	D	A	C		
FPM (Viton®)			D	A		A	A	A	A		A		A	A		A	B	A		A	A								B					D	D	D	D			
Neoprene	A	A	B		B	A	A			A		A	A			A			A							D														
EPDM	A	A	A	A		A	A			A		A	A			A	A	A		A									B					B	B					
Kalrez®			A	A	A	A				A		A	A	A		A	A	A		A								A	A	A	A	A	A	A	A			D		
Grafoil®	A	A				A	A			A		A	B			A			A																					
Silicone		A	A		B			B	B			B		A					A	D																	D		A	
Fluorosilicone		D	A		A			A	A			A							A	C																			D	

Fluid Name	Formula																	
	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	NH ₃	
Ammonia, Alum																		
Ammonia, Anhydrous																		
Ammonia, Anhydrous (-40 to +140 °F)																		
Ammonia, Anhydrous (-65 to +240 °F)																		
Ammonia, Anhydrous Liquid																		
Ammonia, Aqueous																		
Ammonia Gas Cold																		
Ammonia Gas hot																		
Ammonia Liquor																		
Ammonia Solutions																		
Ammonia, gaseous NH ₃ and liquid NH ₃ OH, max. +100 °C																		
Ammonium Acetate																		
Ammonium Arsenate																		
Ammonium Benzoate																		
Ammonium Bicarbonate																		
Ammonium Bifluoride																		
Ammonium Bromide																		
Ammonium Bromide 5%																		
Ammonium Carbamate																		
Ammonium Carbonate																		
Ammonium Chloride																		
Ammonium Chloride, max. +20 °C																		
Ammonium Citrate, Dibasic																		
Ammonium Dichromate																		
Ammonium Fluoride																		
Ammonium Fluorosilicate																		
Ammonium Formate																		
Ammonium Hydroxide																		
Ammonium Hydroxide 28%																		
Ammonium Hydroxide Concentrated																		
Ammonium Iodide																		
Ammonium Molybdate																		
Ammonium Monosulfate																		
Ammonium Monophosphate																		
Ammonium Nitrate																		
Ammonium Oxalate																		
Ammonium Oxalate 5%																		

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 Thioglycolate	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	Amycinamic 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	$HSC_2H_4COONH_4$	$(NH_4)_2S_2O_3$	$(NH_4)_2W_7O_{24} : 6H_2O$	$C_6H_{11}NO_2$	$CH_3COOC_6H_{11}$	$C_6H_{11}OH$							$C_6H_{11}NO_3$	$(CH_3)_2CHCH_2CH_2NO_2$	$CH_3CH_2COOC_6H_{11}$	$C_6H_5CH : C(CHO)C_6H_{11}$	$C_6H_{11}C_6H_4OH$									
Aluminum	C	B	C	C							D	C	D					B																						
Brass	C	C	D	C							C	D	C					B					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					B																	
Alloy 20	A	B	B	B							B	B	B					A					A																	
Alloy C 276 (Hastelloy®)	B	B	B	B							B							A	A				B																	
Titanium											A							A																						
Cast Iron			D	D	D						D	D	C					C					B																	
316 Stainless Steel	A	B	B	B							B	B	A					B					A																	
630 Stainless steel											B							A																						
Carpenter 20®	A	B	B	B							B	B	B					A					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											A																	
Polyethylen(PE)																																								
POM (Delrin®)	A	D	A	A							A	D	A					D					A																	
PCTFE (Kel-F®)	A	A										A						A																						
PEEK	A	A	A	A							A	C	A					A					A																	
PVDF	A	A						A	A				A						A																					
UHMWPE	A	A	D	C							A	C						C	B				D																C	
TPE			B ¹								B ¹							C ¹	A ¹																					
Poly Acrylate											D							D					D																A	
Poly Urethane																		D																						D
NBR	D	A	A	A				A			A	A	B					D	B	A	D	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																D	
EPDM	A	A	A	A				A			A	A	B					B	A	D	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					A																	
Silicone			A	A				A										D	D				D	D	D								B	D	D	D	B	B	D	
Fluorosilicone	A							C										D	A			B	B		A								A	A	A	B	B	B	A	

Fluid Name	Formula																												
	CeH ₅ NH ₂	C ₈ H ₅ NH ₂ : HCl	CeH ₅ OCH ₃	CH ₃ OCeH ₄ COCl	CeH ₄ (CH ₂) ₂ CeH ₄	CeH ₄ (NH ₂)(CO ₂ H)	CeH ₄ (CO) ₂ CeH ₄	SbCl ₅	SbF ₅	Sb ₂ (SO ₄) ₃	SbBr ₃	SbCl ₃	SbF ₃	Sb ₂ O ₃	HNO ₃ : HCl(1:3)	CH ₃ (CH ₂) ₁₀ COOH	Ar												
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	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	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	A	B	A	A	A	A	A	A		A	A	A	A	A	A	B	A	A	A
Grafoil®	A	A													A	D								A	A				
Silicone	D	C	D	D	B		D		A						D	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	Arsine	Ascorbic Acid	Askarel Transformer Oil	Aspartic Acid	Asphalt	Aspirin	Asphalt Emulsion	Asphalt Liquid	Asphaltic Bitumen, +220°C	ASTM Oil No. 1	ASTM Oil No. 2	ASTM Oil No. 3	ASTM Oil No. 4	ASTM Oil No. 5	ASTM Reference Fuel A	ASTM Reference Fuel B	ASTM Reference Fuel C	ASTM Reference Fuel D	AUREX 903R	Automotive Transmission Fluid	ATE brake fluid	AXAREL 9100	Automotive Gasoline	Aviation Gasoline	Azobenzene			
Formula	AsH ₃	C ₆ H ₈ O ₆	COOHCH ₂ CH(NH ₂)COOH	CH ₃ COOC ₆ H ₄ COOH											(CH ₃) ₃ CHCH ₂ C(CH ₃) ₂	(CH ₃) ₃ CHCH ₂ C(CH ₃) ₂ : C ₈ H ₅ CH ₃ (7:3)	(CH ₃) ₃ CHCH ₂ C(CH ₃) ₂ : C ₈ H ₅ CH ₃ (1:1)											C ₆ H ₅ N ₂ C ₆ H ₅
Aluminum					A	C	C																		A			
Brass					B	A	A																		A			
Carbon Steel					A	B	B	A														A			A			
Alloy 600																												
Alloy 400/450(Monel®)					A	A	A																					
Alloy 20						A	A																					
Alloy C 276 (Hastelloy®)						A	A																					
Titanium																												
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	B	C	B	A	C	D	D	D	A	A	A				A			
Nylon				A																								
Polyethylen(PE)																												
POM (Delrin®)				A					C													A			C			
PCTFE (Kel-F®)																												
PEEK																												
PVDF																												
UHMWPE				A																								
TPE				B1																								
Poly Acrylate						B															A				B			
Poly Urethane						B																			B			
NBR			B	B	D	C	A	A	A	B	A	A	A	A	B	B	A	A	C						A D			
FPM (Viton®)		A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	D						A A			
Neoprene				C	C	C																			D			
EPDM		D	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	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			
Grafoil®						A	A																					
Silicone		D	D	D					A	D	C	D			D	D	D		D	D	C				D			
Fluorosilicone		B	B	B					A	A	A	B			A	A	B		D		D				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 Juice - 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 CHOHCOC 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 COCI							
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		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														
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			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	D		D		D																
FPM (Viton®)	A	A	A	B		A	A					A	A	A	A	A	A	A	A	A	A	D		B		A																
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		D		D																
Kalrez®	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	A	A	A	
Grafoil®		A	A	A	A	A	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	A	D		A		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	Br	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 OOCH		BPO ₄	BBr ₃	BCl ₃	BF ₃	B ₂ O ₃			NaCl : H ₂ O							HbO 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	CBrF 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	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		A	C				A	D	D		A			
FPM (Viton®)	A						A	D	D	A	A	A	A	A	A	A	A	A	A	B	D	D	A	A	A	A		A	C					A	A	B		A		
Neoprene									B	A	A	B	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		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	B					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	
Fluorosilicone	B						B	D	D	A	A	A	A				A		B				D	D	B	A	B	B					B			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				$CH_3COO(CH_2)_4$	$C_{24}H_{44}O_4$	$CH_2 : CHCOOC_4H_9$		$CH_3(CH_2)_2CH_2OH$	$CH_3CH_2CHOHCH_3$	$(CH_3)_3COH$	$C_4H_9NH_2$	$C_6H_5COOC_4H_9$	$C_4H_9OOCOC_6H_4COOC_4H_9$	$CH_3(CH_2)_2COOC_4H_9$	$C_4H_9O(CH_2)_2O(CH_2)_2OH$	$(CH_3)_3CC_6H_5(ON)_2$	$HO(CH_2)_2OC_4H_9$	$C_4H_9C(CH_2)_2OCCCH_3$	C_4H_9Cl		$C_4H_9OC_4H_9$	$CH_3CHOHCOOC_4H_9$	$C_{11}H_{22}COOC_4H_9$			$H_2C:C(CH_3)COOC_4H_9$	$CH_3(CH_2)_7CH(CH_2)_7COOC_4H_9$	$(CH_3)_3CC_6H_5OH$	$C_{17}H_{35}COOC_4H_9$	$CH_3(CH_2)_2CHO$	$CH_3(CH_2)_2COOH$	$(CH_3CH_2CH_2CO)_2O$			$O(CH_2)_3CO$	C_6H_7COCl	C_6H_{12}		
Aluminum	A	B																	A																		A		
Brass	D	B																		A																		A	
Carbon Steel	D																			A															C			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	A	D	A			A		A			A		
Nylon	A																			A																			
Polyethylen(PE)	A																																						
POM (Delrin®)	A	A	B																	A																		D	
PCTFE (Kel-F®)			B																																				
PEEK	A	A	A																	A																			
PVDF	A	A	D			B				C																												D	
UHMWPE	A	B	D																	B																			
TPE			B																																				
Poly Acrylate	D	D					D								D		D			A														D					
Poly Urethane	A	D																		B																			
NBR	A	A	D	D	B	D	A	A		B	C	D		D	D	D	C	D		B	C			D	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		A	D	B		D	B			A		
Neoprene	B	A	D				B								C		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	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	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					
Cabinol (Methanol)																																					
Cadmium Chloride	CdCl ₂																																				
Cadmium Chloride, max. +100°C																																					
Cadmium Chloride, max. +200°C																																					
Cadmium Cyanide	Cd(CN) ₂																																				
Cadmium Nitrate	Cd(NO ₃) ₂																																				
Cadmium Oxide	CaO																																				
Cadmium Sulfate	CdSO ₄																																				
Cadmium Sulfate, +75°C																																					
Cadmium Sulfide	CdSO ₄																																				
Calcareous Water																																					
Calcine Liquors																																					
Calcium Acetate	Ca(C ₂ H ₃ O ₂) ₂ ·H ₂ O																																				
Calcium Arsenate	Ca ₃ (AsO ₄) ₂																																				
Calcium Bisulfide																																					
Calcium Bisulfite																																					
Calcium Bromide	CaBr ₂ · 6H ₂ O																																				
Calcium Carbide	CaC ₂																																				
Calcium Carbonate	CaCO ₃																																				
Calcium Chlorate	Ca(ClO ₃) ₂ · 2H ₂ O																																				
Calcium Chloride	CaCl ₂																																				
Calcium Chromate	CaCrO ₄																																				
Calcium Cyanamide	CaCN ₂																																				
Calcium Cyanide	Ca(CN) ₂																																				
Calcium Fluoride	CaF ₂																																				
Calcium Gluconate	Ca(C ₆ H ₁₁ O ₇) ₂																																				
Calcium Hydride	CaH ₂																																				
Calcium Hydrogen Sulfite	Ca(HSO ₃) ₂																																				
Calcium Hydrogen Sulfide	Ca(HS) ₂																																				
Calcium Hydroxide	Ca(OH) ₂																																				
Calcium Hypochlorite	Ca(OCl) ₂																																				
Calcium Hypophosphite	Ca(H ₂ PO ₂) ₂																																				
Calcium Nitrate	Ca(NO ₃) ₂ · 4H ₂ O																																				
Calcium Oxalate	CaC ₂ O ₄ · H ₂ O																																				
Calcium Oxide	CaO																																				
Calcium Permanganate	Ca(MnO ₄) ₂ · 4H ₂ O																																				
Calcium Peroxide	CaO ₂																																				

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	Calgon	Caliche Liquor	Camphene	Camphor	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									D												A	D	A	A							C	
TPE																														C ¹	A	A ¹							
Poly Acrylate	A												D	A													D		D								D		
Poly Urethane	A												D	A				D									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		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	B	B	A	D	B	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	
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												B	A		A		B		B	C	A				

Fluid Name	Fluid Name																																											
	Carbonic Acid	Carbon Monoxide	Carbon Tetrabromide	Carbon Tetrachloride	Carbon Tetrachloride, Wet	Carbon Tetrachloride, Dry	Carbon Tetrachloride Anhydrous	Carbonated Water	Caro's Acid	Casein	Castor Oil	Castup	Caustic Lime	Caustic Potash	Caustic Soda	Cellulosolve	Cellulosolve Acetate	Celluguard	Cellulose Acetate	Cellulose / Pulp Wood	China Wood Oil (Tung)	Cellolube (Phosphate Esters)	Cellolube A60	Cellolube 220	Cellultherm 2505A	Cerment, Portland	Ceric Sulfate	Cerous Chloride	Cerous Fluoride	Cerous Nitrate	Cetane (Hexadecane)	Cetyl Alcohol	Chaulmoogric Acid	Chloral	Chloramine	Chlordane	Chlorestol							
Formula	H ₂ CO ₃	CO ₂	CBr ₄	CCl ₄				H ₂ SO ₅					Ca(OH) ₂	KOH	NaOH		CH ₃ COO(CH ₂) ₂ OC ₂ H ₅								C ₄ AF, C ₃ A, C ₃ S, C ₂ S	Ce(SO ₄) ₂ · 4H ₂ O	CeCl ₃	CeF ₃	Ce(NO ₃) ₃	C ₁₆ H ₃₄	C ₁₆ H ₃₃ OH	(CH ₂) ₂ (CH) ₃ (CH ₂) ₂ COOH	CCl ₃ CHO	NH ₂ Cl	C ₁₀ H ₆ Cl ₈									
Aluminum	B	A			D	B		A		C	A				D				B	A																								
Brass	D	A			D	C		B		C	A								B	C																								
Carbon Steel	D				D	B		B			B			B					C	C					A																			
Alloy 600	A				A	A		A																																				
Alloy 400/450(Monel®)	A	A			B	A				C			B	A					B	A																								
Alloy 20	A				B	A				B	A		A	A																														
Alloy C 276 (Hastelloy®)	A	A		A	A	A													B	A																								
Titanium	A				A	A		A																																				
Cast Iron		B			D	C				C	B			B					B	C																								
316 Stainless Steel	B	A			B	A		A		B	A		A	A					B	A																								
630 Stainless steel		A				A																																						
Carpenter 20®		A			B	A				B	A		A	A																														
PTFE/PFA (Teflon®)	A	A		D	A	A		A		A		A	A	A	A	C	A	A	A	B	B	A	A	A					A										A	A				
Nylon	B	A			B	A				A										A																								
Polyethylen(PE)	B				C																																							
POM (Delrin®)	C	A			B	A		A		A	A		D	D					C	A	A				A																			
PCTFE (Kel-F®)					D	D																																						
PEEK		A			A	A				A	A		A	A					A	A																								
PVDF			A	A				A	A	A																																		
UHMWPE	B	A		D	D	D				A																																		
TPE	D	A		D																																								
Poly Acrylate							D			A					D					D																								
Poly Urethane	A	A					D	B		A					D					B	C																							
NBR	B	A		D	D	D	C	A		B	A	A	A	B	B	D	D	A	D	B	A	D	D	D	B	A				A										B	B			
FPM (Viton®)	A	A		A	B	B	A	A		B	A	A	A	D	D	D	D	A	D	D	A	A	D	C	B	A				A											A	A		
Neoprene	A	B			D	D	D	A		B	A			B	B					D	B	B																						
EPDM	A	A		D	D	D	B	A		B	B		A	A	B	B	B	A	B	B	D	A	B	A	D	A															D	D		
Kalrez®	A	A	A	A	B	B			A	A	A		A	A	A	A	A	A	A																									
Grafoil®					A	A				A	A		A	A					A	A																								
Silicone	A	A		D			D	C		A		A	C	C	D	D	A		B	D	A	B	C	D																		D	D	
Fluorosilicone	A	B		B			B	B		A	A		A	C	C	D	D	A		B	A	C	C	B																			B	B

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																			
Brass	D					D	D				C	D											C																			
Carbon Steel	D					D	D				B	D	A	C	A	C	C						C																			
Alloy 600											D	B											A																			
Alloy 400/450(Monel®)	C					D					A	B											B																			
Alloy 20						A					A												A																			
Alloy C 276 (Hastelloy®)	A					D					A	D							A	D	A	A	A											A	B							
Titanium	A					A					D	A											A																			
Cast Iron											B												C																			
316 Stainless Steel	C					C	D				B	C											A																			
630 Stainless steel						D					C																															
Carpenter 20®						A					A												A																			
PTFE/PFA (Teflon®)	A	D	A	D	A	A	C	C	C	A	A	A	A	A	A	A	A	D	A	A	A	A		B	D		B	B	A		B	A		C	C				B			
Nylon						D					D	D																														
Polyethylen(PE)											C	C																														
POM (Delrin®)						D	D				D		A	C	A	C	C						A																			
PCTFE (Kel-F®)											A																															
PEEK						D	D				A												A																			
PVDF	A							A	C	B																															A	
UHMWPE						C					D									B	D	D																				
TPE																							D																			
Poly Acrylate							D				D												D	D	D	D																
Poly Urethane																								D	D	D																
NBR		B	D	D	D	B	D	D	C	D	C	D	C	C	C	C	C	D	D	D	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
FPM (Viton®)		A	A	A	A	A	C	A	A	B	B		A	A	A	A	A	D	A	A	A	A	A	A	D	D	C		A	A	A	A	A	A	A	A	A	D	D	A		
Neoprene						A	D			D	D	D											D	D	D	D																
EPDM			D	D	D		D	D	B	C	D								D	B			D	D	A	B	A	B		D	D	D	B	D	A	B	D					
Kalrez®	A		A	A	A		A	A	B	A									B	A				B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®						A					A												A																			
Silicone			D	D	D		D	D	D										D	D			D	D		D																
Fluorosilicone			B	A		D	A	B	B										D				A	D	C	D	D															

Fluid Name	Chloroform	Chloroform, Dry	Chlorohydrin	p - Chloronitrobenzene	Chloronitroethane	Chloromethyl Ether	Chloropentafluoroethane (FC 115)	o - Chlorophenol	p - Chlorophenol	Chlorophyll, Dry	Chloropicrin	Chloroprene	Chlorosulfonic Acid	Chlorosulfonic Acid, Dry	Chlorosulfonic Acid, Wet	Chlorotetrafluoroethane (FC 124)	p - Chlorotoluene	Chlorotoluene Sulfonic Acid	Chlorotrifluoromethane (FC13)	Chlorotrifluoroethylene (CTFE)	Chlorox	Chloroxylenol	Cholesterol	Choline	Chrome Alum	Chrome Plating Solution	Chromic Acid	Chromic Acid < 50%	Chromic Acid > 50%	Chromic Acid 5%	Chromic Acid 10%	Chromic Acid 30%	Chromic Acid 50%	Chromic Chloride	Chromic Fluoride	Chromic Hydroxide	Chromic Nitrate							
Formula	CHCl ₃		CH ₂ OHCHOHCH ₂ Cl	C ₆ H ₄ ClNO ₂			CClF ₂ CF ₃	C ₆ H ₄ OHCl	C ₆ H ₄ OHCl		CCl ₃ NO ₂	H ₂ C : CHClCl : CH ₂	ClSO ₂ OH			C ₂ CF ₄ Cl	CH ₃ C ₆ H ₄ Cl	CH ₃ C ₆ H ₄ (SO ₃ H)Cl	CClF ₃	ClFC : CH ₂		C ₆ H ₁₂ (CH ₃) ₂ OHCl	C ₂₇ H ₄₆ OH	(CH ₃) ₃ NOH(CH ₂) ₂ OH		H ₂ CrO ₄								CrCl ₃	CrF ₃	Cr(OH) ₃	Cr(NO ₃) ₃							
Aluminum	D	D								B				B	D											C	D	C	D															
Brass	B	B								B				C	D												C	D	D	D														
Carbon Steel	B	B												B	D											B	D	D	D															
Alloy 600	A													C	C												B																	
Alloy 400/450(Monel®)	A									B				C	D											B	D	C	D															
Alloy 20	A									A				B												A		B	B															
Alloy C 276 (Hastelloy®)	A	B											A	A	A												B	B	B	B	A	D	B											
Titanium	A													D													A																	
Cast Iron	C									B				B												C		D	C															
316 Stainless Steel	A	A								B				B	D											A	D	C	C															
630 Stainless steel	B																											C	D															
Carpenter 20®	A									A				B												A		B	B															
PTFE/PFA (Teflon®)	A	A	A			D		A		C	A	A	A									A				A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Nylon	B													D												D	D	D	D															
Polyethylen(PE)																											B																	
POM (Delrin®)	B	A												D												B	D	D	D															
PCTFE (Kel-F®)	D													A														A	A															
PEEK	A									A				D													A		A	D														
PVDF	A									A			A														A	A																
UHMWPE	C												D	D												A		A		D	D	D	D											
TPE	D												D																	D	D	D	D											
Poly Acrylate	D					D							D															D																
Poly Urethane	D					D							D															D																
NBR	D	D	A	D	D	A	D	B	D	D	D	D	D	D	D	D	D	A	A	B						A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
FPM (Viton®)	A	B	A	D	D	A	A	B	A	D	D			A	A	A										A	A	A	C	C	A	B	A	A										
Neoprene	D	D				D				B		D	D	D												B	D	D	D															
EPDM	D	D	A	D	C	A	D	B	D	D	D			D	A	B										A	B	C	C	C														
Kalrez®	A	A	A	A	A	B	A	A	A	A	A	A	A	B	A	A	B	B	A	A	B	B	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														
Silicone	D			D	D	D							D	D													A	B	C															
Fluorosilicone	D			D	D	B							B	D													B	C																

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														B		A	A	A			B				D	
Brass			C								C	B															B		A	B	C			B			D	
Carbon Steel											D	D				A									B		C		C	B	A		B				D	
Alloy 600											A																A			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	A	B	A	A	A	A	B	A	A	A	
Nylon											D																			D	C							
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	A	C	B	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	A	B	A	A	A		A						C	B	A	A	A	A	A	A	A	A	A	D	D
Neoprene		B							B	A	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	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	A	A	A	A	A	A
Grafoil®		A							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	
Fluorosilicone								A	A	A	A	A	A	C		B	D		A							A	A	A	A		A	B				A	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	Cresol	Cresolis Cresylic Acid	Cresylic Acid	Crtonaldehyde	Crtonic Acid	Crude Oil	Crude Oil, Sour	Crude Oil, Sweet	Cumene	Cumene Hydroperoxide	Cuminc Aldehyde	Cupric Nitrate	Cupric Sulfate	Cutting Oils, Water Emulsions	Cyanamide	Cyanide	Cyanoacetic Acid	Cyanogen Chloride	
Formula	$Cu_2(OH)_2CO_3$	$CuCl_2$	$Cu(CN)$	$(C_{12}OH(CHOH)_6COO)_2Cu$		$Cu(NO_3)_2$				$CuSO_4$										$CH_3C_6H_4OH$		$CH_3CH : CHCHO$	$CH_3CH : CHCOOH$					$C_6H_5CH(CH_3)_2$	$C_6H_5C(CH_3)_2OOH$	$(CH_3)_2CHC_6H_4CHO$				$HN : C : NH$		$CNCH_2COOH$	$CNCl$	
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																													
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			A	A				A		A			B		
Alloy C 276 (Hastelloy®)		A		B		B			A	A	A											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		B			
630 Stainless steel									B																													
Carpenter 20®	A	A				B			B			B		B	A								B			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	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			A	A	A			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			A		A									B															
UHMWPE			B			B			A	A	A	A		A									D															
TPE	A ¹								A ¹	A ¹												D																
Poly Acrylate		D					D		D			A	D	D	A								D		D		A		D									
Poly Urethane		B					D		D			A	B	B	A								D		A		D		D									
NBR	A	A		B		A	B	A	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	A	B	A	A	D	D	A	A	A			A	A	B		B		
Neoprene	B	A				A	A		A			C	B	B	C							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	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	A	
Grafoil®	A	A				B			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				
Fluorosilicone	A	A					C	A	A			A	A	A	A							A	B	B	D	D	B		C									

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	$C_3N_3Cl_3$						C_6H_{12}	$C_6H_{11}OH$	$C_6H_{10}O$	C_6H_{10}	$C_6H_{11}NH_2$	C_5H_6	C_5H_{10}	C_3H_6	$CH_3C_6H_4CH(CH_3)_2$
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	2, 4 - D	DC 200,510,550,710 (Silicone Oils)	DDT (Dichlorodiphenyltrichloroethane)	DDT Solutions (Toluene Solvent)	DDT Solutions (Kerosene Solvent)	Dead Oil	Decahydronaphthalene	n - Decane	Deionized Water	Delco Brake Fluid	Desmophen	Detergents, synthetic	Developing Fluids	Dextron	Diacetone	Diacetone Alcohol (Diacetol)	Diallyl Phthalate (DAP)	Diamylamine	Diazinon	Dibenzyl Ether	Dibenzyl Sebacate	Diborane	Dibromodifluoromethane	Dibromoethylbenzene	Dibromotetrafluoroethane (FC 114B2)	Dibutyl Cellosolve Adipate	Dibutyl Ether	Dibutyl Phthalate	Dibutyl tert - Peroxide	Dibutyl Phthalate (DBP)	Dibutyl Sebacate	n - Dibutylamine	Dicapryl Phthalate	Dichloroacetic Acid	3, 4 - Dichloroaniline	o - Dichlorobenzene	p - Dichlorobenzene				
Formula	<chem>Cl2C6H4OCH2COOH</chem>	<chem>(ClC6H4)2CHCCl3</chem>					<chem>C10H18</chem>	<chem>C18(CH2)10CH3</chem>	<chem>H2O</chem>						<chem>C5H8COCH2C(CH3)2OH</chem>	<chem>C6H14(COOCH2)2CH : CH2)2</chem>	<chem>(C6H11)2NH</chem>	<chem>[C(CH3)2CH2CH2CH(CH3)2]2PS(OCH3)2</chem>	<chem>C6H5CH2OCH2C6H5</chem>	<chem>C6H5CH2OOC(CH2)10COOCH2C6H5</chem>	<chem>B2H6</chem>	<chem>CF2Br2</chem>		<chem>(CBrF2)2</chem>			<chem>(CH3)3COOC(CH3)3</chem>				<chem>(C6H19)2NH</chem>	<chem>(C6H17OOC)2C6H4</chem>	<chem>CHCl2COOH</chem>	<chem>C6H5NH2Cl2</chem>	<chem>C6H4Cl2</chem>	<chem>C6H4Cl2</chem>					
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®)							A	B	A	A	A	A	A	A	D									D	D	D			B	B	B							D	C		
Nylon																																									
Polyethylen(PE)																																									
POM (Delrin®)																																									
PCTFE (Kel-F®)																																									
PEEK																																									
PVDF																											A	C											A		
UHMWPE															D		A																								
TPE																																									
Poly Acrylate	B	D	B	A											D	D										D	C	D													
Poly Urethane	B	D	B	B											D	D										D	D	C													
NBR	B	D	A	A	D	A	B	C	C	A	A	A	D	D	D	C	D	D	D	D	D	D	D	D	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
FPM (Viton®)	A	A	A	A	A	A	A	A	D	C	A	A	A	D	D	D	B	D	B					A	B	D	D	C	B	A	D	B				C	A	A			
Neoprene	B	D	C	C							B				B	D										D	D	D													
EPDM	B	D	D	D	D	D	D	B	A		A	B	D	A	A	A	A	D	B	B			B	D	D	A	C	A	A	B	B	D	B				D	D			
Kalrez®	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																														
Silicone	D	D	D	D	D	D	B	C			A	A	D	D	D	D	D	D	C				D	D	D	D	D	D	D	D	B	B	C	C				D	D		
Fluorosilicone	A	A	A	A	A	A	A	D			A	A	B	D	D	D	D	B					B	D	D	D	D	C	C	C	B	D	B					B	B		

Fluid Name	Dichlorobenzene	Dichlorobutane	Dichlorobutene	Dichlorodimethyl Sulfide	Dichlorodifluoromethane (FC 12)	Dichloroethane	Dichloroethyl Ether	Dichloroethylene	Dichlorofluoroethane (FC 141b)	Dichlorofluoromethane (FC 21)	Dichlorohydrin	Dichloroisopropyl Ether	Dichlorophenol	Dichloro Pentane	Dichloropropene	Dichlorosilane	Dichlorotetrafluoroethane (FC 114)	Dichlorotrifluoroethane (FC 123)	Dicyclohexylamine	Dieldrin (HEOD)	Diesel Oil Fuels	Diester Lubricant (MIL - L - 7808)	Diester Synthetic Lubricating Oils	Diethanolamine (DEA)	Diethylamine	Diethyl Aniline	n, n - Diethylaniline	Diethyl Benzene	Diethyl Carbonate	Diethyl Formaldehyde	Diethyl Hydrazine	Diethyl Maleate	Diethyl Sulfate	Diethylene Triamine	Diethylene Glycol	Diethylene Glycol Butyl Ether	Diethylene Glycol Methyl Ether				
Formula	$\text{ClCH}_2(\text{CH}_2)_2\text{CH}_2\text{Cl}$	$\text{ClH}_2\text{CCH} : \text{CHCH}_2\text{Cl}$	$\text{S}(\text{CH}_2\text{CH}_2\text{Cl})_2$	CCl_2F_2		$\text{ClHC} : \text{CHCl}$	CFC_2CH_3	CHCl_2F	$\text{CH}_2\text{ClCH}_2\text{OHCH}_2\text{Cl}$	$[\text{ClCH}_2\text{C}(\text{CH}_3)_2\text{O}]_2$	$\text{Cl}_2\text{C}_6\text{H}_5\text{OH}$		$\text{CHCl} : \text{CHCH}_2\text{Cl}$				$(\text{CClF}_2)_2$	CF_3CHCl_2	$(\text{C}_6\text{H}_{11})_2\text{NH}$	$\text{C}_{12}\text{H}_{10}\text{OCl}_6$				$(\text{HOCH}_2\text{CH}_2)_2\text{NH}$	$(\text{C}_2\text{H}_5)_2\text{NH}$		$(\text{C}_2\text{H}_5)_2\text{NC}_6\text{H}_5$	$\text{C}_6\text{H}_4(\text{C}_2\text{H}_5)_2$	$(\text{C}_2\text{H}_5)_2\text{CO}_3$						$\text{CH}_2\text{OHCH}_2\text{OCH}_2\text{CH}_2\text{OH}$	$\text{C}_4\text{H}_8\text{O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2\text{OH}$	$\text{CH}_3\text{O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2\text{OH}$				
Aluminum						B															A				B												B				
Brass						B																A				B												B			
Carbon Steel																						A				A															
Alloy 600																						A				A															
Alloy 400/450(Monel®)						B																A				B												B			
Alloy 20						B	B															A				A			B									A			
Alloy C 276 (Hastelloy®)						A																B				A												B			
Titanium																						A				A															
Cast Iron						C	B															A				B													A		
316 Stainless Steel						C	B															A				A			B										A		
630 Stainless steel																																									
Carpenter 20®						B	B															A				A			B										A		
PTFE/PFA (Teflon®)	A		D	A	A					C								D	C		A	A	A		A			A									A	B			
Nylon																										B															
Polyethylen(PE)																																									
POM (Delrin®)						D	D															A				A			C										A		
PCTFE (Kel-F®)						A																				C															
PEEK						A	A															A				A			A											A	
PVDF	B					B		A	A						D			A							D												C	A			
UHMWPE						C																C				D													B		
TPE																																									
Poly Acrylate	D					D								D								B		D	D		D	D	D	D	D	D	D	D	D	D	D	D	D		
Poly Urethane	D					D								D								C		D	D		D	D	D	D	D	D	D	D	D	D	D	D	D		
NBR	D	B		A	D	D		D	D	D	D	D	D				A	C		A	B	B	D	B	D		D	D	C	C	D	D	D	D	D	D	A	D			
FPM (Viton®)	A	A		B	C	D	B	D	C	A							A	D		A	A	A	D	D	D		A	A	D	D	D	D	D	D	D	D	A	C			
Neoprene	D			D	D									D							C		D	C	D		D	D	C	C	A	D	A								
EPDM	D	D	A	B	D	D		D	C	D							A	D		D	D	D	A	B	A		D	D	A	A	A	A	A	A	A	A	A	A	A		
Kalrez®		A	A	A	B	A		A	A	A	A	A		A	A	B	A	A	A	A	A	A	A	A		A	A	A										A	A	A	
Grafoil®						A																A				A												A			
Silicone	D	D	A	D	D			D	D	D							D				D	D	D	D	B	D		D	D	D	D	D	D	A	D	B	D				
Fluorosilicone	A	B		D	C				C	C							B	D			A	B	B	D		D		C	B	D	D	D	C	D	A	D					

Fluid Name	Formula															
	$NH_2C_2H_4NH_2$	$C_2H_5NH_2$	$C_2H_5CH_2NH_2$	$C_2H_5CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$	$C_2H_5CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2CH_2NH_2$
Aluminum																
Brass																
Carbon Steel																
Alloy 600																
Alloy 400/450(Monel®)																
Alloy 20																
Alloy C 276 (Hastelloy®)	B															
Titanium																
Cast Iron																
316 Stainless Steel																
630 Stainless steel																
Carpenter 20®																
PTFE/PFA (Teflon®)	D	B	A	B	A											
Nylon																
Polyethylen(PE)																
POM (Delrin®)																
PCTFE (Kel-F®)																
PEEK																
PVDF	A															
UHMWPE																
TPE	C															
Poly Acrylate																
Poly Urethane																
NBR	D	D	D	D	C	A										
FPM (Viton®)	D	B	B	B	B	D										
Neoprene																
EPDM	D	B	B	B	C	A										
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®																
Silicone	D	C	C	B												
Fluorosilicone	C	B	C	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				
Diphenyl	(C ₆ H ₅) ₂																																			
Diphenylamine (DPA)	(C ₆ H ₅) ₂ NH																																			
Diphenylene Oxide	C ₁₂ H ₈ O																																			
Sym - Diphenylethane	C ₆ H ₅ CH ₂ CH ₂ C ₆ H ₅																																			
Diphenyl, Chlorinated	(C ₆ H ₅) ₂ O																																			
Diphenyl Oxide																																				
Disilane	Si ₂ H ₆																																			
Disodium Phosphate			B																																	
Divinyl Benzene											B																									
Dixtrin																																				
DMT (Dimethyl Terephthalate)																																				
DNCB (Dinitrochlorobenzene)																																				
n - Dodecyl Mercaptan	C ₁₂ H ₂₅ SH																																			
Dodecylbenzene	C ₁₂ H ₂₅ C ₆ H ₅																																			
Dow Chemical 50 - 4, ET588																																				
Dow Chemical ET378																																				
Dow Corning 1208,4050,6620,F - 60,XI - 60																																				
Dow Corning 3,4,11																																				
Dow Corning 5,33,44,200,220,510,550,705,710																																				
Dow Corning 55																																				
Dow Corning F - 61																																				
Dow Guard																																				
Dowanol																																				
Dowtherm																																				
Dowtherm 209																																				
Dowtherm A																																				
Dowtherm E																																				
Drilling Mud																																				
Drinking Water																																				
Dry Cleaning Fluids																																				
Drying Oil	H ₂ O																																			
DTE Light Oil																																				

Fluid Name	ELCO 28 EP Lubricant	Embasiming Fluid	Enamel	Engine Oil	Epichlorohydrin	Epoxy Resins	Epsom Salts	Erucic Acid	Esam - 6 Fluid	ESSO Turbo Oil (-65°F to +250°F)	ESSO Turbo Oil (-20°F to +120°F)	ESSO Fuel 208	ESSO Golden Gasoline	ESSO Motor Oil	ESSO Transmission Fluid, Type A	ESSO WS2812 (MIL - L - 7808A)	ESSO XP90 - EP Lubricant	ESSTIC 42, 43	Ethane	Ethanol	Ethanolamine (MEA)	Ethanolamine, Mono, Di, Tri	Ethers	Ethyl Acetate	Ethyl Acetoacetate	Ethyl Acrylate	Ethyl Alcohol	Ethyl Aluminum Dichloride	Ethylamine	Ethyl Benzene	Ethyl Benzoate	Ethyl Bromide	Ethyl Butyrate	Ethyl Cellulose	Ethyl Chloride	Ethyl Chloride, dry									
Formula					CH ₂ OCHCH ₂ Cl		MgSO ₄	CaH ₁₇ CH : CH(CH ₂) ₁₁ COOH											C ₂ H ₆	C ₂ H ₅ SH		HO(CH ₂) ₂ NH ₂		CH ₃ COOC ₂ H ₅	CH ₃ COCH ₂ COOC ₂ H ₅	CH ₂ : CHCOOC ₂ H ₅	C ₂ H ₅ OH	C ₂ H ₅ AlCl ₂	CH ₃ CH ₂ NH ₂	CaH ₅ C ₂ H ₅	C ₆ H ₅ CO ₂ C ₂ H ₅	C ₂ H ₅ Br	CaH ₇ CO ₂ C ₂ H ₅		C ₂ H ₅ Cl										
Aluminum							A												A					A	A	C	B										B								
Brass			A				B												B					B	C	B	A											B							
Carbon Steel				A			C												C					A	B	C												B							
Alloy 600							A												A					A		A												A							
Alloy 400/450(Monel®)							B												B					B	B	B	A							B				B							
Alloy 20							B												B					A	B	A	A			A		C						A							
Alloy C 276 (Hastelloy®)							B													A	B			B	B	A			A							B	B								
Titanium							A												A					A		A												A							
Cast Iron							C												C					B	C	C								B				B							
316 Stainless Steel			A				B												B					A	B	A	B			B								A							
630 Stainless steel																								B	A														A						
Carpenter 20®							B												B					A	B	A			A		C							A							
PTFE/PFA (Teflon®)	A	A	A	D	B	A		D		A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A					B	B								
Nylon							B																		A		A												A						
Polyethylen(PE)																																							D						
POM (Delrin®)			A	A			A												A					C	C	B	A			A									A						
PCTFE (Kel-F®)																									C																				
PEEK			A				A												A					A	A	A			A										A						
PVDF																			A	B				A	C	C	B			C									B						
UHMWPE							A																	D	C														C	D					
TPE																									B															C					
Poly Acrylate										B	D								A			D	D	D	D			D											D	C					
Poly Urethane										D	D								B			D	D	D	D			D											B	B					
NBR	A	A	B	A	D	C	A	D	A	D	A	B	A	A	A	A	A	A	A	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	A	C				
FPM (Viton®)	A			A	D	D	A	D	A	A	A	A	A	A	A	A	A	A	A	B	A	D	D	C	D	D	D	C	D	D	D	D	D	D	D	D	D	D	D	A	B				
Neoprene			B				A	D	D										D			D	D	D	D	D	D	B											D	C					
EPDM	D	D	C	B	A			A	D	D	D	D	D	D	D	D	D	D	D	C		B	A	C	B	B	B	A											D	D	D	B	C	C	
Kalrez®	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		
Grafoil®			A				A												A					A	A	A																A			
Silicone	B			D				D	D	D	D	D	D	D	D	D	D	D	D	C		D		D	D	B	B	B													D	D	D	C	D
Fluorosilicone	A			D				D	A	A	A	A	A	A	A	A	A	A	B				D	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	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	$C_2H_5OCCl_2$	C_2H_5CN	$C_2H_5C_5H_9$			C_2H_5Cl				$C_2H_4Cl_2$	$HOCH_2CH_2CN$	$NH_2(CH_2)_2NH_2$	$BrCH_2CH_2Br$	$C_2H_4Cl_2$	$(CH_2OH)_2$	$HO(CH_2)_2OC_4H_9$	$C_4H_9C(CH_2)_2OCCCH_3$	$CH_3COO(CH_2)_2OC_2H_5$	CH_2OCH_2		$(C_2H_5)_2O$	$C_2H_5OOC(CH_2)_2OC_2H_5$	$HCOC_2H_5$		$(CH_3)_2CHCH_2COOC_2H_5$	$CH_3CHOHCOOC_2H_5$	$(CH_2)_2O(CH_2)_2NCH_2CH_3$	$C_2H_5NO_2$	$(COOC_2H_5)_2$			$(C_2H_5)_3SiO_4$		$C_2H_5HSO_4$								
Aluminum	D								C						A				C	B																		A				
Brass	C														B				C	B																			B			
Carbon Steel	D														B				B																							
Alloy 600	A														A				A																							
Alloy 400/450(Monel®)	B								B						B	B			B	A																	B					
Alloy 20	B								A						A	A			B	A																B		B				
Alloy C 276 (Hastelloy®)	B							B	B	B		C		B	A				A	B																						
Titanium	A														A				A																							
Cast Iron	D														B				B	C																B						
316 Stainless Steel	B								A						B	B			B	A																	B		B			
630 Stainless steel															A																											
Carpenter 20®	B								A						A	A			B	A																	B		B			
PTFE/PFA (Teflon®)	A	B	A	B	B	A	A	A	A	B	A	A	C	B	C	A	D	A	A																	A	A	B				
Nylon	A														A	B			D																							
Polyethylen(PE)															B																											
POM (Delrin®)	A								A						C	A			A	A																A	A					
PCTFE (Kel-F®)									A						A				D	C																						
PEEK	A								A						A	A			A	A																	A	A				
PVDF											C	A																														
UHMWPE	D								D		A	D	A		D	A			C																							
TPE															C	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	A									
Neoprene	C				D	C	D	D		D	D	D	A						D	D						C			D	A	B											
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	A	A	C									
Kalrez®	A	A	A	A	A	A	A	A	A	A	B	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	A	A	A
Grafoil®	A								A						A	A			A	A																A	A					
Silicone	D	D	D	D	D	D	C		A	D	D	A		B	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	C	C			A	A																			

Fluid Name	Ethylhexyl Acrylate	Ethylmorpholinestannous Octoate	Explosive (Amdex 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 Ammolium 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					B	A	D	D										C	C		
PCTFE (Kel-F®)														A		A	A									A												
PEEK											A	A	A	A	A	A	A						A	D	A											A	D	
PVDF																									D													
UHMWPE										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		
Silicone		D	C	D	C	A	D			B	C	B											D	A	D											D		
Fluorosilicone										A	A	A											A														D	

Fluid Name	Formaldehyde	Formaldehyde, cold	Formaldehyde, hot	Formaldehyde, 40%	Formaldehyde, 100%	Formamide	Formic Acid	Formic Acid, cold	Formic Acid, hot	Freon	Freon Gas, dry	Freon 11, MF, 112, BF	Freon 12, 13, 32, 114, 115	Freon 21, 31	Freon 22	Freon 113, TF	Freon 113	Freon TF	Freon, wet	Fruit Juices	Fuel Oil	Fuel Oil Heavy, max. +80 °C	Fuel Oil Heavy, max. +200 °C	Fuel Oil Light, max. +80 °C	Fumaric Acid	Furaldehyde	Furane	Furfural	Furfuraldehyde	Furfuryl Alcohol	Furoic Acid	Furyl Carbinol	FYRQUEL 90,100,150,220,300,500,550	FYRQUEL A60				
Formula	HCHO					HCONH ₂	HCOOH																			HC : CHCH : CHO	C ₄ H ₃ OCHO		C ₄ H ₃ OCH ₂ OH	C ₄ H ₃ OCOOH								
Aluminum	A	A	B				D	D	D	B	B	B	A	B	A	B			D	C	A							B										
Brass	A	A	B				D	B	B	B	B	B	A	B	A	B			D	B	B							A										
Carbon Steel	C	A	D				D	D	D	C	B									D	B	A	A	A			A	A										
Alloy 600		B	B				C	D	B																				B									
Alloy 400/450(Monel®)		A	B				B	B	A	A	B	B	B	B	B	B			B	B	B							B										
Alloy 20		A	B				A	B	A	A	A	A	A	A	A	A			B	A	A				A			A										
Alloy C 276 (Hastelloy®)		B	B	B	A		A	A	B	B	B	B	B	B	B	B	A	A	B	A	A							B	B									
Titanium		A	A				D	D	C																			B										
Cast Iron		B	D				D	D		B	C	B	C	B	C	B	C			D	D	B						B										
316 Stainless Steel		A	A	C			B	B	B	C	A	A	A	A	A	A			C	A	A							A										
630 Stainless steel		A					B	D		A									B									B										
Carpenter 20®		A	B				A	B		A	A	A	A	A	A	A			B	A	A				A			A										
PTFE/PFA (Teflon®)	D	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	B		B	A	B			
Nylon		A					A	D	B	A	A	A	A	A	A	A			D																			
Polyethylen(PE)										B																		D										
POM (Delrin®)		A	A	A			D	D	D		A	A	A	A	A	A			A	A	A	C	C	A	A		C	A										
PCTFE (Kel-F®)			B				A	B			C	C	C	C	C																							
PEEK		A	A				A	A		A	A	A	A	A	A				A	A	A					A		A										
PVDF		A					A				A	A		A		B			A	A					B		D	D										
UHMWPE		A	A	D	B		D	A	A		C	A							A	D							D	D										
TPE				B			B				A	A				A	A																					
Poly Acrylate		D																				A						D										
Poly Urethane		D																				A						C										
NBR		C	B	B	B	C	C	C	D	D	C	C	C	B	D	D	B	A	A	B	A	A	C	C	A	A	D	C	D	D	D		D	D	D			
FPM (Viton®)		B	D		A	D	C	D	B	A	C	C	D	D	D	D	C	B	B	D	A	A	C	C	A	A	D	D	D	D	D	A		D	A	D		
Neoprene		D	B	B			B	A	A	C	C	C	A	D	B	C			B	A	B					B		C										
EPDM		B	B				A	A			C	C	A	D	D	C			B	A	D				C	B	B	D	C	B	B		B	A	B			
Kalrez®		B	A	A			A	B	B	B		D	D	A	C	D					A					A	B	A	A	B	A	A	A	A	A	A		
Grafoil®			A	A			A	A		A	A	A	A	A	A	A			A		A							A										
Silicone		C					C														A	D			B		D	D	D		D	A	A					
Fluorosilicone		D					C														A	A			A		D		D		D	C	C					

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			$CH_2OH(CHOH)_4COOH$	$C_6H_{12}O_6$				$COOH(CH_2)_2CH(NH_2)COOH$	$C_3H_5(OH)_3$	$C_3H_5(OH)_2H_2PO_4$	$CH_2OHCHOCH_2$	$HO-CH_2-CH_2-OH$		
Aluminum		A	B			B	B	A	A	A	A	A					A	A			A	A	A	A	A				A	A			A		A		A		
Brass		C	B			B	B	A	A	A	A	A					A	A			B	B	A	A	A				A	B			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		C		C	
Alloy 600						A	A			A	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			A		B		B	
Alloy 20		B				B	B	A		A	A						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			A		A		A	
Cast Iron		D				B	B	B		B							A	B			B	B	B	D				B	B		B		B		B		B		
316 Stainless Steel		B	A			B	A	B		A	A						A	A			A	A	A	A				A	B		A			A		B		B	
630 Stainless steel																	A														A								
Carpenter 20®		B				B	B	A		A							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		A		A	
Nylon		A				A	A	A		A	A						A	A			A	B	A	A				A	A		B								
Polyethylen(PE)											D																												
POM (Delrin®)		A	A	A	A	C	A	A	A	A	B	A					A	A			A	A	A	A				A	A		C			C		C		C	
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															A										A		A		A
UHMWPE	A	A								A	D						D	D			D	D	D	A				A	A		A			A		A		A	
TPE										A																								A		A		A	
Poly Acrylate	D									D			D	D	D					D	D	D	D	D	D	D	D	D	D	D	D	D	A	A	D				
Poly Urethane	D									B			A	B	B					B	B	B	B	B	D	D	D	D	A	A	D			D					
NBR	B	A	A	A	C	A	A	B	A	A	C	A	A	A	C	C	A	A	C	C	A	A	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	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	B	A	A	A	A	A	A	A	A	A	A
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	A	A	B	A	B	A	A	A	A	A	A	A
Kalrez®	D	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	A		A			A		A		A	
Silicone										D	D		D	D	D					D	D	D	D	D	D	D	A	B		A	A	A	A	A	A	A	A	A	A
Fluorosilicone	B									A	A		A	A	A					A	A	A	A	A	A	D	A		A	A	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) ₅ CH ₃	CH ₃ (CH ₂) ₅ 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) ₃ SiNHSi(CH ₃) 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) ₄ CH ₂ OH	(CH ₃) ₂ COHCH ₂ COHCH ₂ OH	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																A	A	A
FPM (Viton®)	A	A	C	B	C	B	A	A	A		A	A		D	D			A		B	D																A	A	A
Neoprene								D	A		B				D	D																							
EPDM	D	D	D	D	C	A	D	D	A		D	D		A	A			D		A	A																	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																				A	A
Fluorosilicone	B	A				A	B	B	A		A	C		D	D			C																				B	B

Fluid Name	Hot Water, max. +80°C	Hot Water, max. +180°C	Hought - O - Safe (1000 & 1100 Series)	Hought - O - Safe (620)	Hydraulic Fluid	Hydraulic Fluid (Glycol Basis)	Hydraulic Fluid (Mineral Oil Basis)	Hydraulic Fluid (Phosphore - Ester Basis)	Hydraulic Fluid (sp. MIL - H - 5606)	Hydraulic Fluid (Petroleum Based)	Hydraulic Oil, Petroleum Base	Hydraulic Oil, Synthetic Base	Hydrazine	Hydrazine Anhydrous	Hydrazine Dichloride	Hydrazine Hydrate	Hydroiodic Acid	Hydrobromic Acid	Hydrobromic Acid 20%	Hydrobromic Acid 100%	Hydrocarbons, Light	Hydrochloric Acid	Hydrochloric Acid 20%	Hydrochloric Acid 37%	Hydrochloric Acid 100%	Hydrocyanic Acid	Hydrocyanic Acid Gas 10%	Hydrofluoric Acid	Hydrofluoric Acid 20%	Hydrofluoric Acid 50%	Hydrofluoric Acid 75%	Hydrofluoric Acid, Anhydrous	Hydrofluoric Acid 100%	Hydrofluosillicic Acid	Hydrofluosillicic Acid 20%	Hydrofluosillicic Acid 100%	Hydrogen, Gas				
Formula													H ₂ NNH ₂		N ₂ H ₄ : 2HCl	NH ₂ NNH ₂ : HOH	HI	HBr				HCl	HCl	HCl	HCl	HCN	HCN	HF	HF	HF	HF	HF	HF				H ₂				
Aluminum					A	A		D		A	A		C					D				D				A	D								D						
Brass					C	C		A		A	B		D					D				D				D	D									A					
Carbon Steel	A	A			A	A	A	A	B	A	A							D				D				D	D										D				
Alloy 600														A									D			A	D														
Alloy 400/450(Monel®)														A	D				D				B			C	B										B				
Alloy 20														A	B								D			A											B				
Alloy C 276 (Hastelloy®)														A	A				A	C				A	B	A	B	B	B	B	B	B	B	B	B	B	B	B	A		
Titanium														A					A				D			A	C														
Cast Iron														B	D								D				C										D				
316 Stainless Steel					B	B		A	A	A	A		B					D					D			A											C				
630 Stainless steel																																									
Carpenter 20®														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	A	A	A	A	A	A	A	A	A	A	A	A		
Nylon																		D					D					D													
Polyethylen(PE)																								B				C													
POM (Delrin®)	A	C			A	C	A	A	A	A	A		D										D			D	D										A				
PCTFE (Kel-F®)																																									
PEEK														A	A											A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
PVDF														A	A	C				A						A	A													A	
UHMWPE														C	A					B	B				A	B	A											B	B	A	
TPE																									B	C	C													A	
Poly Acrylate																											D	D												B	
Poly Urethane																												D													A
NBR	A	C	D	A	A	C	A	D	A	A	A	D	B	B								D	D	D	A	D	D	D	B	B	D	D	D	D	D	D	B	A	B	A	
FPM (Viton®)	A	C	A	B	A	C	B	D	A	A	A	A	D	D																											
Neoprene																																									
EPDM	A	A	A	A	A	A	C	A	D	D	D		A	A																											
Kalrez®																																									
Grafoil®																																									
Silicone																																									
Fluorosilicone																																									

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

Fluid Name	Fluid Name											Formula	JP - 4 Fuel			JP - 5 Fuel			JP - 6 Fuel			Kerosene			Ketchup			Ketones		
	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	JP - 4 Fuel	JP - 5 Fuel	JP - 6 Fuel	Kerosene	Ketchup	Ketones				
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							
UHMWPE		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	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	
Nylon	A																														
Polyethylen(PE)							B																								
POM (Delrin®)	D	D	D	D	A		D	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				
PVDF					A		A						A	A				A	A	C				C							
UHMWPE	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	A	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				
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	Formula																																						
	Magnesium Acetate Solution	Magnesium Bisulfate	Magnesium Bisulfide	Magnesium Carbonate	Magnesium Chloride	Magnesium Hydroxide - cold	Magnesium Hydroxide	Magnesium Hydroxide (CH) ₂	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		
Aluminum	B	C	B	D	D	D	D	B					B	D	B	B	B	B	B	B																		B	
Brass	B	D	B	B	B	B		B					B	D	B	B	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																			A	
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																									
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			A																				
UHMWPE				B	A	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	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	A
Grafoil®		A	A	A	A		A		A					A	B	A	A		A						A		A										A	A	A
Silicone	D			A				A	A	A	D	A				D			B						A	A	D											B	
Fluorosilicone	D			A				A	A	A	B	A							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	Methylacetophonone	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 ₁₈ H ₃₆ COOCH ₃	CH ₃ CO ₂ CH ₃	CH ₃ COCH ₂ CH ₃	CH ₃ O ₂ COCH ₃	CH ₂ : CHCOOCH ₃	CH ₃ OCH 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		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	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																																								
	Methanol	Methanol over +64 °C	Methanol up to +64 °C	Methyl Acetate	Methyl Acrylate	Methyl Acetone	Methyl Alcohol	Methyl Alcohol 10%	Methyl Bromide	Methyl Chloride	Methylamine	Methylamyl Acetate	Methylamyl Alcohol	Methyl n - Amylketone	Methyl Anthranilate	Methyl Benzoate	Methylbenzyl Alcohol	Methyl Bromide	2 - Methyl 2 - Butanethiol	Methyl Butyl Ketone	Methyl Carbonate	Methyl Bromide 100%	Methyl CELLOSOLVE	Methyl Cellosolve	Methyl Chloroacetate	Methyl Chloroform	Methyl Chloroformate	Methyl Chlorosilane	Methyl Cyclohexanone	Methyl Cyclopentane	Methylene Bromide	Methylene Chloride	Methylene Iodide	Methyl Cellulose	Methyl dichloride	Methyl Ether	Methyl Ethyl Ketone				
Aluminum	B		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																								A				B		
Alloy 400/450(Monel®)				B	A	A				B	C												B	B												B			A		
Alloy 20				A	A					A	A												A	A												A			A		
Alloy C 276 (Hastelloy®)	A			A		A	A			B	B													B	B											B			B		
Titanium				A	A	A					B																									A			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			A		
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A	D							B		B	A	D	B	A	A	A	A		D	A			B		A	A	A		D	A			
Nylon				A	A					A																									A	B			A		
Polyethylen(PE)											B																										C				
POM (Delrin®)	B			B	B	A				A													A													A	A	A		A	
PCTFE (Kel-F®)				A							C																												A		
PEEK				A	A					A													A														A	A	A		A
PVDF	C			A	C		A	B	D									A								B		B				C	D					D	D		
UHMWPE	A			B			A	C	D														D																D		
TPE	B						B																																		
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	A	D			
Neoprene				D	B	D	A			D	C												D														D	D	B		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
Grafoil®				A	A					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	$CH_3COCH_2CH_3$	$C_6H_{10}O_4$	$HCOOCH_3$	$CH_3COC_6H_{13}$	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				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												
Neoprene	D		D					D																															D	D										
EPDM	D	A	D	B			C	C	B			A	D	B				B	B			C																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																													D	D	D	D	D	D	D	D	
Fluorosilicone	B	D	D	D			D	D	D				D	B																																				

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					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 C	A A A B	A A A					A A		A B B C	A							A A						A	
Nylon											A A					C																		B					A	
Polyethylen (PE)								C			A																							B						
POM (Delrin®)								B	A A	A A	A A C	A A				D																		A					A	
PCTFE (Kel-F®)											A																													
PEEK											A A					A A																							A	
PVDF								A			A																													
UHMWPE								A			B D					D																			A C				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	C	A	A	A	D	D	C	B	A	A	A	A		A	B	D	A	C					A	B	D	D	D	D	A
FPM (Viton®)		A	A	A	A	A	A	A	A	C	C	A	A	A	A	B	C	A	A	A	A	A	A		A	D	B	A	D					A	D	D	A	D	A	A
Neoprene								A			A B					C	D																			A	D	D	D	A
EPDM		D	D	D	D	D	D	A			A C C					D	D	D	D	D	D	D	A	D		D	A	D	A	A						A	A	D	A	D
Kalrez®		A	A	A	A	A	A	A			A							A	A	A	A	A	A		A	B	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					A	B	D	D	D		
Fluorosilicone		B	B	B	A	A	B	B	A			A				A	D	C	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	Naphtha		Naphthalenesulfonic Acid		Naphtha	Naphthalene	Naphthenic Acid	Naphthylamine	Naphthaline	Natural Gas + 100°C	Natural Gas, Sour	Neets Foot Oil	Neon	Neville - Winter Acid	Niacinamide	Nickel Acetate	Nickel Ammonium Sulfate	Nickel Chloride	Nickel Cyanide	Nickel Nitrate	Nickel Sulphate	Nickel Sulfate	Nicotine	Nickel Acid	Nitric Acid, (concentrated)	Nitrating Acids	Nitric Acid (5 - 10%)	Nitric Acid (0 - 50%)	Nitric Acid (10 - 50%)	Nitric Acid 10%	Nitric Acid 20%	Nitric Acid 30%	Nitric Acid 50%	Nitric Acid 70%	Nitric Acid 80%	Nitric Acid 100%	Nitric Acid Fuming	Nitric Acid Red Fuming	p - Nitroaniline		
Formula			$C_{10}H_7SO_3H$: HOH			$C_{10}H_8$		$C_{10}H_7NH_2$	$C_{10}H_8$			Ne			$C_8H_9NCONH_2$	$Ni(C_2H_3O_2)_2$	$NiSO_4(NH_4)_2SO_4 \cdot 6HOH$	$NiCl \cdot 6H_2O$	$Ni(CN)_2 \cdot 4HOH$	$Ni(NO_3)_2 \cdot 6H_2O$	$NiSO_4 \cdot 6H_2O$	$NiSO_4$	$C_8H_7NCH_2HCH_3$	HNO_3																$HNO_3 / NO_2 / H_2O$	$NO_2C_6H_4NH_2$
Aluminum	A				B			B		B							D	D		C	D	D		B					D		D					D	D				
Brass	B				B			B		B							D	D		D	C	D		D					D		D					D	D				
Carbon Steel	B				B			B	A	B							D	D		D	D	D		B				D		D					D	D					
Alloy 600	A				B												D		B	B								D		C				A	A						
Alloy 400/450(Monel®)	B				B					D						C	B		B	A	B		A				D		D				D	D							
Alloy 20	B				B					A						A	A		A		A		A				A		A				B	A							
Alloy C 276 (Hastelloy®)	A	B	A							A						A		A	B	B	B			B		A		A	A	A		A	D								
Titanium	A				A											A		A		A							A		A				B	B							
Cast Iron	B				B					B						D	D		D		D		C				D		D				D	D							
316 Stainless Steel	A				B			B		A						A	B		B	B	B		A				A		A				A	A							
630 Stainless steel																											A		D				D	D							
Carpenter 20®	B				B					A						A	A		A		A		A				A		A				A	A							
PTFE/PFA (Teflon®)	A	B	C	A			A	A	A	A	A	A	A	A	D	A	A		A		A		A	A	A	A	B	A	A	A	A	C	A	A			C				
Nylon	A				A					A						A	C				A							D		D				D	D						
Polyethylen(PE)																B			B																						
POM (Delrin®)	A				A			A	A	A						C	D		C	A	C		D				D		D				D	D							
PCTFE (Kel-F®)																A												A		A				A	A						
PEEK	A				A					A						A	A		A		A		A					A		A				D	D						
PVDF		A	A	A						A	A									A	A				A																
UHMWPE	D		A	D						A						A		A		A		A		A	C		B		A		A	B		D	D						
TPE			B	B																					D		C				D										
Poly Acrylate	A		A					A	A									C				D			D	D		D										D			
Poly Urethane	A		A	B				B	A									C				C			D	D		D											D		
NBR	B	A	D	D			D	A	A	A	A	D			B	A	A		A	A		A	D	D	D	D	D	D	D	D	C	D	D	D	D	D	D	D	D	D	
FPM (Viton®)	A	A	A	A			A	A	A	A	A	A	D		D	D	A		A	A	A		D	D	A	A	A	A	A	A	A	B	B	B	B	B	C				
Neoprene	D		D	D				B	A	D						B	B		A	A	A		D	D	D		D	B		C			D	D	D						
EPDM	D		D	D	D		D	D	D	B	A	B			A	B	A		A		A		D	B	A		C	A				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		
Grafoil®	A				A					A						A	A		B		A		A					A		B			C	D							
Silicone	D		D	D			D			B	A	D			D		A				A			D	D		B	D					D				D	D			
Fluorosilicone	B		A	A	A					C		A	A	B		D		A				A			D	D		B	D		A		A	D				D	D		

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 Tetroxide	Nitrogen Tetroxide, Very limited exposure	Nitrogen Trifluoride	Nitroglycerin	Nitromethane	p - Nitrophenol	2 - Nitropropane	Nitrosyl Chloride	Nitrosylsulfuric 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 ₃ CHNO ₃ CH ₂ NO ₃	CH ₃ NO ₂	NO ₂ C ₆ H ₄ OH	CH ₃ CHNO ₂ CH ₃	NOCl	HNO ₃ 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																									
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	
Grafoil®		D	A				A																					A	A	A		
Silicone			D				D	A			D			A	D	D			D	D										A	B	
Fluorosilicone			D				D	A			D			A	D	D			D	D											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 - H5606B	Oil, Asphalt Base	Oil, Bunker C Fuel Oil	Oil, Caster	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_3F_8	$CH_3(CH_2)_6CHO$	$CH_3(CH_2)_6CH_3$	$CH_3COO(CH_2)_7CH_3$	$CH_3(CH_2)_6CH_2OH$	$CH_3(CH_2)_6CH_2Cl$																														
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	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	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	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	A
Neoprene										B	B	B	B	D	D	D	A	B	A	C	C	C	D	D	D	D	C	D	D	D	D	D	D	C	D	C	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	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	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 1 & 12 & 114	Oil, and Freon 22(Low Aniline Oil)	Oil, and Freon 22(High Aniline Oil)	Oil - Water emulsion	Olaic Acid	Olefin, Crude	Olefins	Oleic Acid	Oleum	Oleum (Fuming Sulfuric Acid)	Oleum 25%	Oleum Spirits	Oleyl Alcohol	Olive Oil	Orthochloro Ethyl Benzene	Oronite#200⅃	Orthodichlorobenzene	OS 45and OS - 45 - 1	Oxalic acid	Oxalic Acid	Oxygen, gaseous, low pressure	Oxygen, Gas (Hot)	Oxygen, Liquid	Ozonated Deionized Water	
Formula																					$CH_3(CH_2)CH : CH(CH_2)COOH$				$CH_3(CH_2)CH : CH(CH_2)CH_2OH$						$C_{10}H_{18}COOH$	$HOOC-COOH : \cdot HOH$		O_2	O_2	$O_3 : H_2O$		
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																					C D			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 A	A D		A A	D			A A	A		D	D			
Nylon	A																				A D			D		A						D						
Polyethylen(PE)																																						
POM (Delrin®)	C													A							C D			D		A					C	C						
PCTFE (Kel-F®)																																	A					
PEEK	A																				A D			D		A						A						
PVDF																					A					A					A	A						
UHMWPE																					C D		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	D	D	D	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	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			D		B	A	D	A	B	A								
EPDM	D	D	D	D	D	D	A	D	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					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	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		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 A				
Polyethylen(PE)			D					D D				
POM (Delrin®)			D D	D	A A	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	D B	D D	A A	A A		D D	D D	C C			
FPM (Viton®)	D A	A A	B A	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		
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(FC125)	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			$\text{CH}_3(\text{CH}_2)_{14}\text{COOH}$																																							
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	D	C	A	B	A	A	A	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																																
UHMWPE						C	A												D								B													D		
TPE																																								C		
Poly Acrylate							A	A								A	A											D												D	A	
Poly Urethane			A				A	A								A	D											D	D											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	A	D	A	A	A	A	A	A	A		
FPM (Viton®)	B	B	A	B	C	A	A	B		D	A	B	A	A	A	C	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	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	A											D	B	B	A	D	D	D	D	D	D	D	D	D	A	A	A		
Kalrez®		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	A	A		
Grafoil®	A	A					A	A	A							A																										
Silicone		D	D				B	D				D	A				A	A	D							D	D	D	D	D	B	D	D	D	D	D	D	B	D	B	D	
Fluorosilicone		B	A				A	A				D	A													C	A	A	B	B	A	B	A	B	A	A	A	B	A	B	A	A

Fluid Name	Petroleum Ether, Liquified (UL approved)																																							
	Phenol	Pentane	Pentane	Pentane	Pentane	Perchloroethylene, dry	Petrolatum (Vaseline Petroleum Jelly)	propulsion fuel = JP - 4	Perchloroethylene	Petrol (pure)	Petroleum	Petroleum crude	Phenethyl Alcohol	Phenetole	Phenolsulfonic Acid	Phenylacetamide	Phenyl Acetate	Phenylbenzene	p - Phenylenediamine	Phenylethyl Ether	Phenylhydrazine	Phenylmercuric Acetate	Phenol 10%	Phenylacetic Acid 75%	Phenylcellulosolve	Phorone	Phosgene	Phosphine	Phosphoric Acid 25%	Phosphoric Acid 45%	Phosphoric Acid 80%	Phosphoric Etchants	Phosphorous Oxychloride	Phosphorous Tribromide	Phosphorous Trichloride	Phosphorous ,Molten				
Formula	C ₆ H ₆ OH	C ₅ 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 CCCHCOCH(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																												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																												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	A																												D
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
UHMWPE	D					A																																		B
TPE																																								
Poly Acrylate	B	D																																						D
Poly Urethane	A	D																																						D
NBR	A	D	A	B	B	D	A	B	C	B	B	B																												D
FPM (Viton®)	A	B	A	A	A	A	A	B	C	A	A	A																												A
Neoprene	D	D	B			D	B																																	
EPDM	A	D	D	D	D	D	D	B	C	A	A	D																												A
Kalrez®	A	A				C																																		A
Grafoil®	A	A				A	A																																	
Silicone	D	D																																						D
Fluorosilicone	A	B																																						B

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		
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	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	D																A		
TPE																																							D		
Poly Acrylate																																									
Poly Urethane																																									
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	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															

Fluid Name	Polyulfide Liquor	Polyvinyl Acetate	Poly Glycols	Polyvinyl 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	Pot.Ferricyanide	Potassium Fluoride	Potassium Gluocyanate	Pot.Hydroxide	Potassium sulphate	Pot.Diphosphate	Pot.Ferrocyanide	Pot.Hypochlorite	Pot.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	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							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	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	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
Grafoil®	A	A	A				A	A			A	A	A	C	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	Propane Gas	Propyl Bromide	Propylene Glycol	Pyridine	Pyroglutalic 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	Quintizarin	Quinoline	Quinone																							
Formula																												
Aluminum	A																	A	A	A					A	A	A	
Brass	B																	A	A	B					A	A	A	
Carbon Steel	B																	A	A	C					A	B	A	
Alloy 600																												
Alloy 400/450 (Monel®)	B																	A	A	A					A		A	
Alloy 20	A	A																A	A	A					A	A	A	
Alloy C 276 (Hastelloy®)																												
Titanium																												
Cast Iron	B																	A	A	C					A	B	A	
316 Stainless Steel	A	A																A	A	A					A	A	A	
630 Stainless steel		B																										
Carpenter 20®	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			A	A	A	
Nylon										A																		
Polyethylen (PE)																												
POM (Delrin®)	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																	A	B	B	B	D	A	A	A	A	B	D
FPM (Viton®)	A																	A	A	A	B	A	A	A	A	A	A	D
Neoprene	B																	B	C	C	C	A	A			B	C	
EPDM																										D		
Kalrez®		A	A	A	A	A																						
Grafoil®	A	A																								A	A	A
Silicone																												
Fluorosilicone																												

Fluid Name	Salad Oil	Saled 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							C			A							D	B	D	D	D						B					
Brass	B	B	B	B	C			C							C			A							D	B	D	D	D						D					
Carbon Steel	C	C			D			D							C			A							D	D	D							D						
Alloy 600			A		A			B																	B															
Alloy 400/450(Monel®)	B	A	B		A			A							B			A							D	B	B	B						D						
Alloy 20	A	A	B	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							D			B						D	B			D												
316 Stainless Steel	B	B	B	B	B			A							B			A							B	B	A	D	A					A	A					
630 Stainless steel															A													C												
Carpenter 20®	A	A	B	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	A	A	A	A	A	
Nylon				C	C																						B													
Polyethylen(PE)			B		B																				B		A													
POM (Delrin®)	A	A	A	C	A			A							B			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							A	C	A								A					
TPE					A																			A														D		
Poly Acrylate			D		D		A								D										A			D	D			D						D		
Poly Urethane			D		D		A								D										A			D	D			D							D	
NBR	A	A	A	A	A		A	B							A			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	A	B		B	A			A	A		D	D	A			
Neoprene	A	A	D		B		A	A							B			A							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	A		
Kalrez®					A	A	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		
Grafoil®	A	A	A	A	A			A							A			A							A	A		A							B					
Silicone			A		A		B		A	A					A	D	D			D				C	A			D	D				A					D	C	
Fluorosilicone			A		A		A	A	A	A					A	A	A							A	A			A	A										D	C

Fluid Name	Formula																					
SKYDROL 7000																						
SINCLAIR OPALINE CX - EP LUBE																						
Sludge Acid																						
Soap, Liquor																						
Soap Solutions																						
SOCONY PD959B VACUUM																						
Soda lye																						
Soda Ash (Sodium Carbonate)																						
Soda Ash																						
Sodium Molten																						
Sodium Abietate																						
Sodium Acetate																						
Sodium Acetate																						
Sodium Aluminate																						
Sodium Antimonate																						
Sodium Arsenate																						
Sodium Arsenite																						
Sodium Benzoate																						
Sodium arseniate + sodium arsenite																						
Sodium arseniate + 200 °C																						
Sodium bisulphate, 20°C/10%																						
Sodium bicarbonate Solution																						
Sodium Bisulfate Solution																						
Sodium Bisulfite Solution																						
Sodium borate																						
Sodium Carbonate Solution																						
Sodium chlorate																						
Sodium fluoride																						
Sodium hydroxide(20%)																						
Sodium hydroxide(50%)																						
Sodium hydroxide(80%)																						
Sodium hydroxide(100%)																						
Sodium hydroxide(<20%)																						
Sodium hyposulfate																						
Sodium metaphosphate																						
Sodium metasilicate																						
Sodium nitrate																						
Aluminum																					A	
Brass																						B
Carbon Steel																						B
Alloy 600																						
Alloy 400/450(Monel [®])																						
Alloy 20																						
Alloy C 276 (Hastelloy [®])																						A B
Titanium																						
Cast Iron																						
316 Stainless Steel																						B
630 Stainless steel																						
Carpenter 20 [®]																						
PTFE/PFA (Teflon [®])	A	A		A	A	A	A		A	A	A		A	A	A	A	A	A	A	A	A	A
Nylon									B	A												
Polyethylen(PE)									B													
POM (Delrin [®])					A	B			A	A	A		A	C	A							A
PCTFE (Kel-F [®])																						
PEEK									A	A												
PVDF									A													A
UHMWPE									A												A	A
TPE																						A
Poly Acrylate																						
Poly Urethane																						
NBR	D	A		A	A	A	A	A		B	B	A										A B
FPM (Viton [®])	A	A		A	A	A	B	A	A	D	D	A										A A
Neoprene				A	B		A			B	A											
EPDM	A	D	A	A	A	D		A	A	A	B											A
Kalrez [®]	A	A		A	A		A	D	A	A	A	A	A	A	A							
Grafoil [®]																						
Silicone	C	D		A	A	A		A	A													
Fluorosilicone	C	B		A	A	A		A	A													

Fluid Name	Sodium Hydroxide Solution	Sodium Hydroxide Solution	Sodium Hypochlorite Solution	Sodium bicarbonate	Sodium onloride	Sodium hydroxide	Sodium sulphate	Sodium sulphide	Soluble oil	Steam(100 °C)	Sulphuric acid	Sodium bisulphate, 50%at+20 °C	Sodium carbonate, +20 °C	Sodium chloride, +20 °C	Sodium hydroxide, 20%at -20 °C	Sodium monofluorophosphate, +20 °C	Sodium nitrate, +20 °C	Solvents	Sodium Bicarbonate Solution	Sodium Bifluoride	Sodium Bisulfate Solution	Sodium Bisulfite Solution	Sodium Bitartrate	Sodium Borate	Sodium Bromate	Sodium Bromide	Sodium Benzoate	Sodium Bicarbonate	Sodium Bichromate	Sodium Bisulfate	Sodium Bisulfate 10%	Sodium Bisulfite	Sodium Bisulfite 10%	Sodium Bromide	Sodium Bromide 10%	Sodium Chlorate	Sodium Carbonate(Soda Ash)					
Formula				NaHCC ₃	Na Cl	Na OH	Na ₂ SO ₄	Na ₂ S			H ₂ SO ₄								NaHCO ₃	NaHF ₂	NaHSO ₄	NaHSO ₃	NaHC4H5O6 : HOH	Na ₂ B ₄ O ₇ : 10HOH	NaBrO ₃	NaBrO ₃											NaClO ₃					
Aluminum				D	C	D	D	D	A	C	D													B				B	B	A	B	D	D	D	D	B	D	D				
Brass				B	C	B	B	D	A	A	C													B				B	B	C	B	D	B	C	B			B	B			
Carbon Steel				B	B	B	B	B	B	B	B	C	C	C	A	C	B	A						C				B	B	D	D	B	D	B	C			B	B			
Alloy 600																												A	B		B								A	A		
Alloy 400/450(Monel®)																								B			B	A	B	B	B	B	B	B	B	B			B	B		
Alloy 20																								B			B	A	B	A	B	B	B	B	B	B			B	A		
Alloy C 276 (Hastelloy®)																			B	B	B							A	B	B	B	B	B	B			A	B	A			
Titanium																												A	A	B									B	B		
Cast Iron																								C			C			D	D	D	D	D	D			B	B			
316 Stainless Steel				B	B	A	A	B	A	A	B													B			B	B	B	B	A	A	A	B	B			B	B	A		
630 Stainless steel																																										
Carpenter 20®																								B			B	A	B	A	B	B	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				A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Nylon																												B		A	A	A	A	A	A	A	A	A	A	A	A	
Polyethylen(PE)																												A	A	B	B									A	A	
POM (Delrin®)				B	A	D	A	B	A	D	D	C	A	A	C	A	B									A		B	A	A	D	A	D	A	A	A	A	A	A	A		
PCTFE (Kel-F®)																										A				A	A									A	A	
PEEK																									A			A	A	A	A	A	A	A	A	A	A	A	A	A	A	
PVDF				A																						A	A	A												B	B	
UHMWPE																									A		A	A		A	A	A	A	A	A	A	A	A	A	A	A	
TPE																																										
Poly Acrylate	D	D	D																																							
Poly Urethane	D		D																																							
NBR	B	A	B	B	A	B	B	B	B	D	D	C	A	A	A	B	C	C	A		A	A		A				A	D	A	A	A	A	A	A	A	A	A	A	A		
FPM (Viton®)	A	A	A	A	A	B	A	A	A	D	B	C	A	A	B	B	B	C	A		A	A		A				A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Neoprene	A	A	B																									A		A	A	A	A	A	A	A	A	A	A	A	A	
EPDM	A	A	A	A	A	A	A	A	D	A	C	C					C	C	A		A	A		B				A		B	B	B	B	B	B	B	B	B	B	B		
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
Silicone	C	A	B																	A	A	A		A																		
Fluorosilicone	C	A	B																	A	A	A		A																		

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 Hydrosulfide	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 ₅ O ₇ Na ₃ : 2HOH	NaOCN	NaCN			CH ₃ COONa : x(CCH ₃ COOH)	Na ₂ Cr ₂ O ₇ : 2HOH	C ₂ H 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 : sH 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	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		
Nylon								B						C						B	C	C	C	C	C			B									A		
Polyethylen(PE)						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																															
PEEK			A	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		
Silicone	A					A															B						B												
Fluorosilicone	A					A															B						B												

Fluid Name	Formula																														
	NaNO ₃	C ₁₇ H ₃₅ COONa	Na ₂ SiO ₃ : 2NaOH	Na ₂ C ₂ O ₄	NaNO ₂	NaBO ₃	Na ₂ CO ₃ : 1-1/2HOH	NaClO ₄ H ₂ O	Na ₂ O ₂	Na ₂ S ₂ O ₈	CaH ₂ ONa	Na ₂ HPO ₄	Na ₂ HPO ₄	Na ₂ PbO ₂	Na ₂ P ₂ O ₇	HOCaH ₂ COONa	Na ₂ Si ₂ O ₇	Na ₂ SiO ₃ : 9H ₂ O	Na ₂ Sn(OH) ₆	NaOCC ₁₇ H ₃₅	Na ₂ SO ₄ : 10HOH	Na ₂ SO ₄	Na ₂ S : 9HOH	Na ₂ SO ₃	Na ₂ C ₄ H ₄ O ₆ : 2HOH	Na ₂ S ₄	NaSCN	Na ₂ S ₂ O ₃ : 5HOH			
Aluminum	B	A			A	D		D				D	D	D					B		C	B			C	B			B		
Brass	B	B			B		D					C	C	C					B		C	B			D	C			C		
Carbon Steel	D	B			B		C					C	C	C					B		C	B			B	D			B		
Alloy 600	A				B		B					A							A		D			D	D				D		
Alloy 400/450(Monel®)	A	A			C	B		B				B	B	B		B			B		B	A			B	B			B		
Alloy 20	A	A			B	B		B				B	B	B		B	A		B		B	A			B	A			A	B	
Alloy C 276 (Hastelloy®)	A	B			B	B		B			A	B	B	B		B			B		B			B	B			B	B		
Titanium	A											A							A		B			A							
Cast Iron	D	B			B		C					C	C	C					B		C	B			B	A			A	C	
316 Stainless Steel	A	A			B	A		B				B	B	B		B	A		B		B	A			B	A			A	B	
630 Stainless steel		B			B		B					B									B			A	A				A		
Carpenter 20®	A	A			B	B		B				B	B	B		B	A		B		B	A			B	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	
Nylon		B			A							A	A	A					D		D	B			B	D			A		
Polyethylen(PE)		B																				B			B	B					
POM (Delrin®)	A	A			B	A		A				A	A	A		A			A		A	A			A	A			A	A	
PCTFE (Kel-F®)												A																			
PEEK	A	A			A	A		A				A	A	A		A	A		A		A	A			A	A			A	A	
PVDF		A		A	B		B	C	A			A						A		A							A		A		
UHMWPE		A			A	A		A				A	A						A		A	A			A	B			A	A	
TPE																															
Poly Acrylate								D											D				D		D	D	D		D	D	
Poly Urethane								D															A			A	D			A	
NBR		B			C	B		B	A			A	B	A	B		B		A		A		A	D	A	A	A		A	B	
FPM (Viton®)		A			B	A		A				A	A	A					A		A		A	A	A	A	A		A	A	
Neoprene		B			D	B		B				B	A	B		B			A		A		A	A	A	A			B	A	
EPDM		A			A	A		A				A	A	A		A			A		A		B	A	B	A	A	A	A	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			B	A		A				A	A	A		A			A		A		A	A		A	A			A	A
Silicone		D			B		D					D	D						A				A		A	A	A			B	A
Fluorosilicone					A			A															A	A	A	A	A			A	A

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, Syrups & 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 ₂ NC ₆ H ₄ SO ₃ H : HOH		(CH ₂) ₄ SO ₂	S	S ₂ Cl ₂	SO ₂	SF ₆	SF ₄	SO ₃							S	SCl ₂	SO ₂				SO ₃				H ₂ SO 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	B	D	D	C	D						B			C	
Alloy 600															B	D	A			B	B	B	B	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	
Nylon																																							
Polyethylen(PE)																																							
POM (Delrin®)											A	A		C	A	D																							
PCTFE (Kel-F®)																																							
PEEK												A		A	A	A																							
PVDF																																							
UHMWPE												A	A																										
TPE																																							
Poly Acrylate																																							
Poly Urethane																																							
NBR	A		B	B	D	D	B		D	A		B	C	C	C	D	D	D	D																				
FPM (Viton®)	A		A	B	A	A	C	C	A	C		A	C	C	C																								
Neoprene												B	B	B	B	B																							
EPDM	A		B	A	C	D	A	A		B		A	B																										
Kalrez®	A	A	A	A	A	A	A	B	B	A																													
Grafoil®												A																											
Silicone	A		D	C	C	B	B		B			D																											
Fluorosilicone	A		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	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 oreosote	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				$C_{76}H_{52}O_{46}$									$HOOC(CHOH)_2COOH$	$(C_2H_5)_4SiO_4$	$C_6H_4(COOH)_2$	$C_{10}H_{17}OOCCH_3$			$Ti(OC_4H_9)_4$		$(CH_2Cl)_2$	$Cl_2C : CCl_2$	$Pb(C_2H_5)_4$	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			D												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															A																		
Alloy 20		B		A		B			B	A														B																		
Alloy C 276 (Hastelloy®)		A	B	B				B	B	A												A																				
Titanium						A			B																																	
Cast Iron		B		A		C			D																																	
316 Stainless Steel		B	A	A	A	B			B	A												B																				
630 Stainless steel				A		B			A																																	
Carpenter 20®		B		A		B			B	A																																
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														A																		
PVDF	A		A	A					A														B				C		B							A				C		
UHMWPE	C		B	A				A	A	A																																
TPE			A					C																																		
Poly Acrylate		A	A	D	D		D																																			
Poly Urethane		A	A																																							
NBR	A	A	B	A	B	C	B	B	B	A	A	B	C	A		B		D	B	B	D	D	B		A	D	D		A	A	A	B		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	D	A		A	A	A	A					A	A	B			
Neoprene		C	D	B	B	C	C		B			D	B																													
EPDM		D	D	A	A	D	D	B				B	A		C		D	A	D	D	D	D				A	C	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	
Grafoil®			A		A							A																														
Silicone		D	D	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				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)	TMAI(Trimethylaluminum)	TMB(Trimethyl Borate)	TMCTS(Tetramethylcyclotetrasiloxane)	TMP (Trimethyl Phosphite)	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 N	(CH ₃) ₄ NOH	(CH ₃) ₃ Al	(CH ₃ O) 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 CCl ₃ (NCO) ₂	H ₃ CCl ₃ H ₂ SO ₂ Cl	CH ₃ CCl ₃ H ₂ NH ₂	CH ₃ CCl ₃ O ₂	CH ₃ CCl ₃ CHO						(C ₄ H ₉) ₃ PO ₄	CCl ₃ COOH	CCl ₃ COCl	C ₆ H ₃ Cl ₃	CH ₃ CCl ₃	CHCl ₃ : CCl ₂				
Aluminum																				A								A		A										
Brass																					A								C		B		A							
Carbon Steel																		A	A										C		A		A							
Alloy 600																					A																			
Alloy 400/450(Monel®)																					A								B		A		A							
Alloy 20																					A								A		A		A							
Alloy C 276 (Hastelloy®)					A	C															A																			
Titanium																					A																			
Cast Iron																					A								C		B		A							
316 Stainless Steel																					A									A		A		A						
630 Stainless steel																					A																			
Carpenter 20®																					A									A		A		A						
PTFE/PFA (Teflon®)				A	A	A				B								A	A	D	D					A	A	A		A		A	C				D	D		
Nylon																					A												A							
Polyethylen(PE)																					D																			
POM (Delrin®)																					C	A	C						A		A		A							
PCTFE (Kel-F®)																					A																			
PEEK																					A								A		A		A							
PVDF										A											A								A		A		A							B
UHMWPE				C																	D										C									
TPE				B																	B																			
Poly Acrylate																					D										D									
Poly Urethane																					D										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	D	C				A	A	
Neoprene										D											D							A	D	B		D								
EPDM						D				D											C		D	B				D	D		D	D		A	B			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	A	A	A	A	A	A	A	A
Grafoil®																					A								A			A								
Silicone						B				D											D	D					B	B		D	D		D	D				D	D	
Fluorosilicone						A				B											B	D						A	A		B		C	D	D				B	B

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 PO	(C ₄ H ₉) ₃ N	C ₂ H ₅ 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		

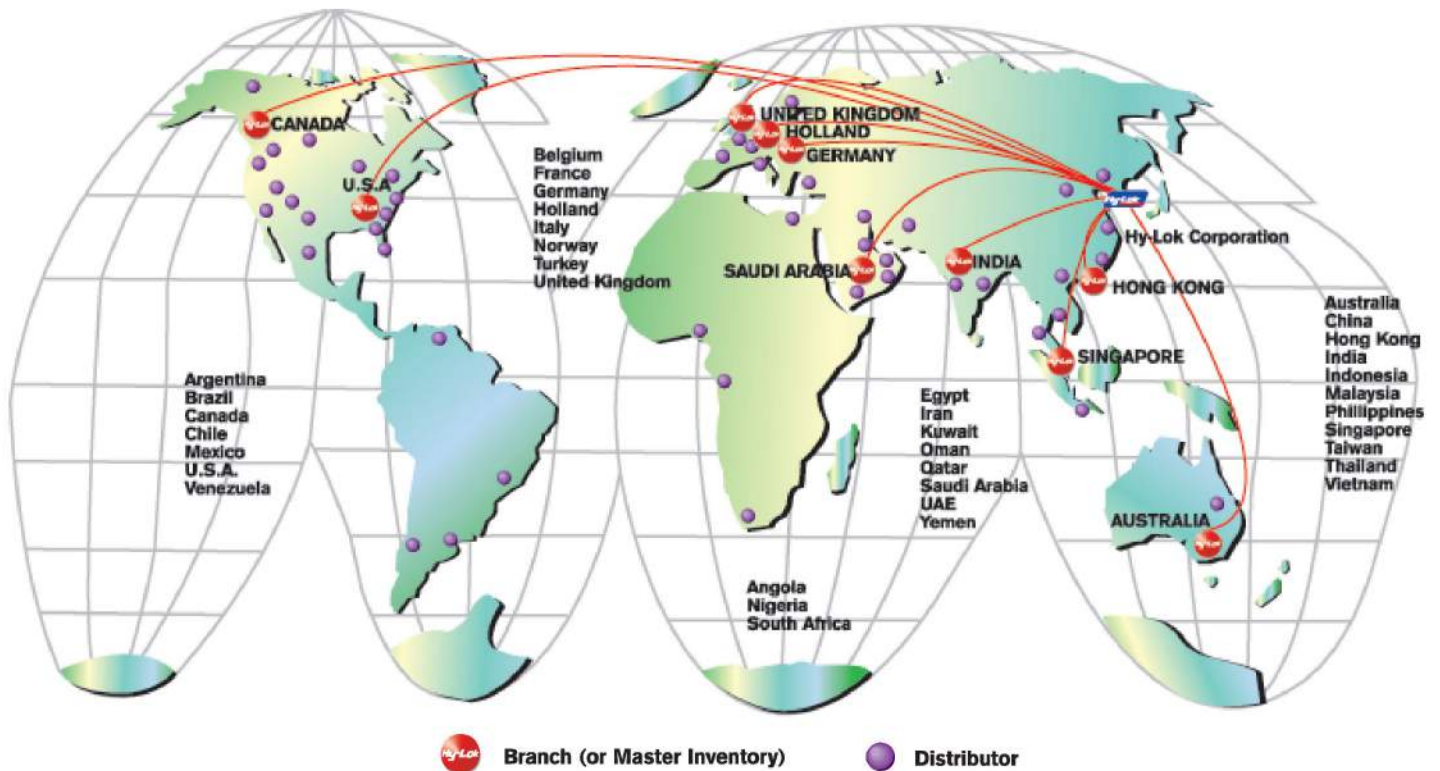
Fluid Name	UCON HYDROLUBE J - 4	UCON OIL LB - 385 400X	UDMH(Unsymmetrical Dimethyl Hydrazine)	UNIVIS 40 Hydraulic Fluid	Univolt no.35(Mineral Oil)	UPDI(Ultra Pure Deionized Water)	Uranium Hexafluoride	Urea	Uric Acid	Ucon - Hydrolube	UDMH	Ultra Violet Light
Formula			(CH ₃) ₂ NNH ₂		H ₂ O		UF ₆	CO(NH ₂) ₂				
Aluminum								B				
Brass								B				
Carbon Steel								C		A		
Alloy 600								B				
Alloy 400/450(Monel [®])								B				
Alloy 20								B	A			
Alloy C 276 (Hastelloy [®])								A	A			
Titanium												
Cast Iron								C				
316 Stainless Steel												
630 Stainless steel								B	A			
Carpenter 20 [®]								B	B			
PTFE/PFA (Teflon [®])	A	A	C	A	A	B		A	A	A		
Nylon												
Polyethylen(PE)												
POM (Delrin [®])								A	B	A		
PCTFE (Kel-F [®])												
PEEK								A	A			
PVDF								A				
UHMWPE								A	B			
TPE												
Poly Acrylate											D	D
Poly Urethane											D	D
NBR	B	A	B	A	A			C		C	D	
FPM (Viton [®])	C	D	D	A	A	A		D		B	D	
Neoprene								B			D	
EPDM	A	A	A	D	D	B		B		C	A	
Kalrez [®]	A	A	B	A	A	A	B	A	A			
Grafoil [®]								A	A			
Silicone	A	A	D	D	D						D	A
Fluorosilicone	B	A	D	A	A						D	

n - Valeraldehyde	Valeric Acid	Vanadium Pentoxide	Varnish	Vegetable Juices	VERSILUBE F44, F50 & F55	Vegetable Oils	Versilubes	Vinegar	Vinyl chloride	Viscose	Vinyl Acetate	Vinyl Chloride(VC)	Vinylfluoride	Vinylidene Chloride	Vinylpyridine	VV - H - 910
CH ₃ (CH ₂) ₈ CHO	CH ₃ (CH ₂) ₈ COOH	V ₂ O ₅									CH ₃ COOCH : CH ₂	CH ₂ : CHCl	CH ₂ : CHF	CH ₂ : CCl ₂	C ₆ H ₅ NCH : CH ₂	
			A			A		C			B					
			A			D		D			B					
			C			B		D	C	A						
						A										
			A			B		A			B					
			A			A		A			B					
			A			A		A			A					
								A								
			C			B		D			B					
			A			A		A			B					
			A	A				A								
			B	A	A	A		A	A	A	A					A
											A					
			A								B					
			A								C	A	D			
			A								A					
			A								C	A	C			
			D			A	A	D			D					
			D			D	A	D			D					
			B	A	A	A	B	B	C	A	D	D				C
			A	A	A	A	A	D	C	B	D	A	B			A
			D	B		C	B	B			D					
			D	C	A	C	A	A	C		A	D				A
	A	A	A	A	A	A		A			A	A	A	A	A	A
			A								A					
			D	A	C	B	D	C			D					B
			B	A	A	A	A	C								B

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	B																A		A		
PTFE/PFA (Teflon®)	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	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							
Poly Urethane													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	A	A	A	C	A	A	B	A	A
FPM (Viton®)	B		A	A	A	A	A	D	A	C	B	A	B	B	B	B	B	B	A	A	A	D	A	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	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						Zirconium Oxide	Zinc Oxide	Zinc Phosphate	Zinc Salts	Zinc Stearate	Zinc Sulfate	Zinc Sulfide	Zinc Sulphate
	Xe	C ₈ H ₁₀ (CH ₃) ₂	(CH ₃) ₂ CaH ₃ NH ₂	Xylol	Xylene(Xylol),Dry	Xylene								
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®)	A	D	B	D										
Nylon														
Polyethylen(PE)														
POM (Delrin®)														
PCTFE (Kel-F®)														
PEEK														
PVDF														
UHMWPE														
TPE														
Poly Acrylate														
Poly Urethane														
NBR	A	D	C	D	D	D								
FPM (Viton®)	A	B	D	A	A	B								
Neoprene														
EPDM	A	D	D	D	D	D								
Kalrez®	A	A	A	A	A	A								
Grafoil®														
Silicone	A	D	D	D	D	D								
Fluorosilicone	A	A	D	A	D	D								

INVENTORY NETWORK



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