



**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(\liron@)** - 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 - Toluiline	Acetyl Bromide	Acetyl Chloride	Acetylen	Acetylen Gas	Acetylen Gas with Water or Liquid Hydrocarbon	Acetylen Tetrabromide	Acid Furnes
Formula	$C_{19}H_{36}COOH$	$CH_3CHO$	$CH_3CONH_2$		$C_6H_5NH(COCH_3)$		$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3COOH$	$CH_3CO_2O$	$CH_3COCH_2COOH$	$CH_3COCH_3$	$(CH_3)_2COHCN$	$CH_3CHN$	$CH_3CONHC_6H_4OC_2H_5$	$C_6H_5COCH_3$		$CH_3COCH_2OCCH_3$	$CH_3CONHC_6H_4CH_3$	$CH_3COBr$	$CH_3COCl$	$C_2H_2$			$(CHBr)_2$	
Aluminum	B	B	A	B						B	B	C	C	C	C	C	B					B	A					A				D	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									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			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	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	D					B	A						A			A						
Carpenter 20®	A										A	A	A	A	A	B					B	A						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	A	A	A	A	D	A	D		A	A		A	A	
Nylon	B						D			B	B	B	B	B	B						B	B								A					A		
Polyethylen(PE)							C																C														
POM (Delrin®)	A						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	A	A	A	A	A	A	A	A		A	A	A			A		
PVDF	D	A					A															D	A	C	A	D	A		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	D	D	C	C	D	D	D	C	D	D	D	D	D	D	D	C		
FPM (Viton®)	D	C					D	D	B	C	B	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	A	
Neoprene	C	B					D	C				C	C	D	D	D	C	D	C		C	D						D			D	B	B	B	B	B	
EPDM	B	A					A	B	A				B		B	C	A	A		B	A	A	A	A	A	A	A	A	D	A	D	A	A	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	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	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	C	D		D	
Fluorosilicone	D	A					D	B	B				D							C	D	D						D	D	A					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	$H(COOH)_2C : C(COOH)CH_2(COOH)$	$C_{13}H_{11}N$	$CH_2CHCHO$	$CH_2 : CHCOOH$	$C_3H_5N$	$COOH(CH_2)_6COOH$																																	
Aluminum					B	B									A	B	B		B	A	B	B			B	B	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	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 <sup>2</sup>	A	A	A	A			B						B		
Nylon					A	A									A	B	A	A	A	A	A			A		A													
Polyethylen(PE)																																							
POM (Delrin®)					A	C									A	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	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	A								A	
Grafoil®				A											B	A		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				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					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 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			$Al(C_2H_3O_2)_3$	$AlBr_3$	$Al(ClO_3)_3$	$AlCl_3$				$Al(OC_2H_5)_3$	$AlF_3$	$Al_2(SiF_6)_3$	$Al(OH)_3$	$Al(NO_3)_3 \cdot 9H_2O$	$Al_2CaO_{12}$	$AlPO_4$	$AlK(SO_4)_2 \cdot 12HOH$		$AlNa(SO_4)_2 \cdot 12HOH$	$Al_2(SO_4)_3$		$Al_2O_3$	$Al_2(SO_4)_3$				$C_6H_4(CO)_2C_6H_3NH_2$	$C_6H_5NNC_6H_4NH_2$	$NH_2C_6H_4CO_2H$	$NH_2CH_2CH_2OCH_2CH_2OH$	$C_6H_4NH_2OH$	$C_5H_4NNH_2$	$NH_2C_6H_4(OH)COOH$	$NH_3$		$NH_3$	$NH_3$						
Aluminum	A	C			D	B	C		C		B	D	B	D		D		C								B								C									
Brass	A	D			D	B			D		A	D		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		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	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	A							C													C	A			
TPE					C													B <sup>1</sup>	D							A <sup>1</sup>																	
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		A	A	A	A			B					D		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				D				
Grafoil®	A	A				A	A		A		A	B	A				A											A															
Silicone		A	A		B				B	B			B		A		A																						D		A		
Fluorosilicone		D	A		A				A	A			A				A																										

Fluid Name	Ammonia, Alum																							
	Ammonia, Anhydrous																							
Formula	Ammonia, Anhydrous (-40 to +140 °F)																							
	Ammonia, Anhydrous (-65 to +240 °F)																							
Fluid Name	Ammonia, Aqueous																							
	Ammonia Gas Cold																							
Formula	Ammonia Gas hot																							
	Ammonia Liquor																							
Fluid Name	Ammonia Solutions																							
	Ammonia, gaseous NH <sub>3</sub> and liquid NH <sub>3</sub> OH, max. +100 °C																							
Formula	Ammonium Acetate																							
	Ammonium Arsenate																							
Fluid Name	Ammonium Benzate																							
	Ammonium Bicarbonate																							
Formula	Ammonium Bifluoride																							
	Ammonium Bromide																							
Fluid Name	Ammonium Bromide 5%																							
	Ammonium Carbamate																							
Formula	Ammonium Carbonate																							
	Ammonium Chloride																							
Fluid Name	Ammonium Chloride, max. +20 °C																							
	Ammonium Citrate, Dibasic																							
Formula	Ammonium Dichromate																							
	Ammonium Fluoride																							
Fluid Name	Ammonium Fluorosilicate																							
	Ammonium Formate																							
Formula	Ammonium Hydroxide																							
	Ammonium Hydroxide 28%																							
Fluid Name	Ammonium Hydroxide Concentrated																							
	Ammonium Iodide																							
Formula	Ammonium Molybdate																							
	Ammonium Monosulfate																							
Fluid Name	Ammonium Monophosphate																							
	Ammonium Nitrate																							
Formula	Ammonium Oxalate																							
	Ammonium Oxalate 5%																							
Aluminum	C		A	B	A	C	B		B	D	B	D				B	C	C		D	B	B	A	
Brass	D		D	D	D	D	D		B															
Carbon Steel	A		A	A		B	A		C															
Alloy 600	A								D															
Alloy 400/450(Monel®)	A		B	B	B	B	B		B	B	B	B								D	D	C		B
Alloy 20	A	A	A	A	A	A	A		B	B	B	B								A	A		B	B
Alloy C 276 (Hastelloy®)	A	B	A	B	B	B	B		B											B	B	B	B	A
Titanium									A															C
Cast Iron			B	A	B	B	B		B															D
316 Stainless Steel	A	A	A	A	A	A	B		B	B	B	C								A	B	B	A	A
630 Stainless steel			A																					A
Carpenter 20®	A		A	A	A	A	A		B	B	B	B								A	A		B	B
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A		A	A	A	A								A	A	A	A	A
Nylon	B	B		B		D	B		B			C	B							C	A	A	A	B
Polyethylen(PE)	B								A				B							B				A
POM (Delrin®)	D		D	A	A	D	C	C	D	D	D	A	B							D	C	A	A	A
PCTFE (Kel-F®)									A															A
PEEK	A	A	A	A	A	A	A		A	A	A	A								A	A	A	A	A
PVDF									A	A		A	A	A	A					D			A	A
UHMWPE	B		A	A	C	A	A		A	A	A	B	A							A	A		A	A
TPE	D												A1											B1
Poly Acrylate			D	D	D																			B
Poly Urethane			D	D	D																			
NBR	B	B	A	C	B	B	A	D	C	B	C	B								D	B	C		A
FPM (Viton®)	D	D	D	D	A	D	D	D	D			A	A											A
Neoprene	B	B	A	A	A	B	B	B	B			A								A	A		A	A
EPDM			A	A	B	A	A	B	A	B	C	A								A	B	A		A
Kalrez®			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												B
Silicone			B	C	C	A	B													D	A			B
Fluorosilicone			D	D	D	D														D	A			

Fluid Name	Ammonium Perchlorate	Ammonium Persulfate	Ammonium Phosphate Di - basic	Ammonium Phosphate	Ammonium Phosphate Tri - basic	Ammonium Phosphate	Ammonium Polysulfide	Ammonium Salis	Ammonium Sulfamate	Ammonium Sulfate	Ammonium Sulfide	Ammonium Sulfite	Ammonium Thiocyanate	Ammonium Thioglycollate	Ammonium Thiosulfate	Ammonium Tungstate	Ammonium Valerate	Amyl Acetate	Amyl Alcohol	Amyl Borate	Amyl Chloride	Amyl Chloronaphthalene	tert - Amyl Methyl Ether (TAME)	Amyl Naphthalene	Amyl Nitrate	Amyl Nitrite	Amyl Propionate	Amycinamic Aldehyde	o - sec - Amylphenol	AN - 0 - 3 Grade M	AN - 0 - 6	AN - 0 - 366	Anderol (Diester)	ANG - 25 (Diester Base)	ANG - 25 (Glycerol Ester)	Anderol L - 774 (MIL - L 7808 Type)			
Formula	$NH_4ClO_4$	$(NH_4)_2S_2O_8$	$(NH_4)_2HOP_4$	$(NH_4)_2HOP_4$	$(NH_4)_2HOP_4$	$(NH_4)_2HPO_3 : H_2O$	$C_6H_2(NO_2)_2ONH_4$	$(NH_4)_2S$	$NH_4OSO_2NH_2$	$(NH_4)_2SO_4$	$(NH_4)_2S$	$(NH_4)_2SO_3 : H_2O$	$(NH_4)_2SO_3 : H_2O$	$NH_4SCN$	$HSC_2H_4COONH_4$	$(NH_4)_2S_2O_3$	$(NH_4)_2W_7O_{24} : 6H_2O$	$C_5H_{11}NO_2$	$CH_3COOC_5H_{11}$	$C_5H_{11}OH$		$CH_3(CH_2)_3CH_2Cl$			$C_5H_{11}NO_3$	$(CH_3)_2CHCH_2CH_2NO_2$	$CH_3CH_2COOC_5H_{11}$	$C_6H_5CH : C(CHO)C_6H_{11}$	$C_6H_{11}C_6H_4OH$										
Aluminum	C	B	C	C						D	C	D					B				D																		
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 <sup>1</sup>							B <sup>1</sup>							C <sup>1</sup>	A <sup>1</sup>																					
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	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	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	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																																
	C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub>	C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> : HCl	C <sub>6</sub> H <sub>5</sub> OCH <sub>3</sub>	CH <sub>3</sub> OC <sub>6</sub> H <sub>4</sub> COCl	C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	C <sub>6</sub> H <sub>4</sub> (NH <sub>2</sub> )(CO <sub>2</sub> H)	C <sub>6</sub> H <sub>4</sub> (CO) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	SbCl <sub>5</sub>	SbF <sub>5</sub>	Sb <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	SbBr <sub>3</sub>	SbCl <sub>3</sub>	SbF <sub>3</sub>	Sb <sub>2</sub> O <sub>3</sub>	HNO <sub>3</sub> : HCl(1 : 3)	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH	Ar	Argon, max. +100 °C	Argon, max. +200 °C	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	Aromatic Fuels (Up to 50% Aromatic)	Aromatic Hydrocarbons (100% Aromatic)	Aromatic Solvents	Arsenic Acid	Arsenic Pentafluoride	Arsenic Trichloride	Arsenic Trioxide	Arsenic Trisulfide			
Aluminum	C	C													B	D										A	D						
Brass	D	C													C	D											A	D					
Carbon Steel	C	C				A									D	D		A	A							C	D						
Alloy 600	B																										A						
Alloy 400/450(Monel®)	B	A													A											B	D						
Alloy 20	A	A													A	B										A	B						
Alloy C 276 (Hastelloy®)	B	D													C					A					B								
Titanium	A																																
Cast Iron	C	C													D	D										B	D						
316 Stainless Steel	B	A													B	B										A	B						
630 Stainless steel																																	
Carpenter 20®	A	A													A	B										A	B						
PTFE/PFA (Teflon®)	A	A	A	B	A		A	A				A		A	A	A	C		A	A	A	A	A	A	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	B	A	A	A		
Grafoil®	A	A													A	D									A	A							
Silicone	D	C	D	D	B		D			A					D		D	D		C	C	A	D	D		A							
Fluorosilicone	C	B	B	C	A		C			A					A		C		B		B	A	A	B	A								



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 <sub>3</sub>	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	COOHCH <sub>2</sub> CH(NH <sub>2</sub> )COOH	CH <sub>3</sub> COOC <sub>6</sub> H <sub>4</sub> COOH											(CH <sub>3</sub> ) <sub>3</sub> CHCH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub>	(CH <sub>3</sub> ) <sub>3</sub> CHCH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> : C <sub>8</sub> H <sub>5</sub> CH <sub>3</sub> (7:3)	(CH <sub>3</sub> ) <sub>3</sub> CHCH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> : C <sub>8</sub> H <sub>5</sub> CH <sub>3</sub> (1:1)												C <sub>6</sub> H <sub>5</sub> N <sub>2</sub> C <sub>6</sub> H <sub>5</sub>
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	C	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	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	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 Juices - Pulp	Beet Sugar Liquors	Benzaldehyde	Benzamide	Benzanthrone	Benzene	Benzene Hexachloride (BHC)	Benzene Sulfonic Acid	Benzidine	Benzil	Benzilic Acid	Benzine (Gasoline)	Benzoic Acid	Benzoin	Benzonitrile	Benzophenone	Benzotrithloride	Benzotrifluoride	Benzoyl Chloride				
Formula		BaCO <sub>3</sub>	Ba(ClO <sub>3</sub> ) <sub>2</sub> : HOH	BaCl <sub>2</sub> : 2H <sub>2</sub> O	Ba(CN) <sub>2</sub>		Ba(OH) <sub>2</sub> : 8H <sub>2</sub> O	BaI <sub>2</sub> : 2H <sub>2</sub> O	Ba(NO <sub>3</sub> ) <sub>2</sub>	BaO	BaO <sub>2</sub> : 8HOH		BaSO <sub>4</sub>	BaS							C <sub>6</sub> H <sub>5</sub> CHO	C <sub>6</sub> H <sub>5</sub> CONH <sub>2</sub>	C <sub>17</sub> H <sub>10</sub> O	C <sub>6</sub> H <sub>6</sub>		C <sub>6</sub> H <sub>5</sub> SO <sub>3</sub> H	NH <sub>2</sub> (C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> NH <sub>2</sub>	C <sub>6</sub> H <sub>5</sub> CO : COC <sub>6</sub> H <sub>5</sub>	(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C(OH)COOH	C <sub>6</sub> H <sub>5</sub> COOH	C <sub>6</sub> H <sub>5</sub> CHOHCOOC <sub>6</sub> H <sub>5</sub>	C <sub>6</sub> H <sub>5</sub> CN	(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> CO	C <sub>6</sub> H <sub>5</sub> CCl <sub>3</sub>	C <sub>6</sub> H <sub>5</sub> F <sub>3</sub>	C <sub>6</sub> H <sub>5</sub> COCI					
Aluminum	D	D	D	D	D	D	D	B				D	D			A				A	A			B																	
Brass	B	B	C	D	D	D	D	D				C	D			B				C	A			B																	
Carbon Steel	B	C				C	B	B				C	C			D				B	A			B																	
Alloy 600			A			B	B	B				B												A																	
Alloy 400/450(Monel®)	B	B	D	B	B	B	C					B	C			A				A	B			A																	
Alloy 20	B	C	B	A	A	A	B					A	B			A				A	A			A																	
Alloy C 276 (Hastelloy®)	B	B	A			B						B									B			B		B															
Titanium	A	B				A							A											A																	
Cast Iron	B	C	C			B						C	D			D				B	C			B																	
316 Stainless Steel	B	B	B	A	B	A		A				A	B			A				A	A			B																	
630 Stainless steel			B			A																		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														B	
Nylon			C			B	B					B				B				B	A			A																	
Polyethylen(PE)	A	B				B	B					B	B																												
POM (Delrin®)	A	A	A	A	A	A	A					A	A			A				A	A			C																	
PCTFE (Kel-F®)																					A			A																	
PEEK	A	A	A	A	A	A	A					A	A			A				A	A			A																	
PVDF	A	A	B			D	A				A					A							C		C																
UHMWPE	B	A	B			B	B					B	B			A										A															
TPE			B <sup>1</sup>			B <sup>1</sup>							D										B		C		B														
Poly Acrylate			D			D	D						D							D	D	D	D	D	D																
Poly Urethane			A			D	A						A							B	B	D	D	D	D																
NBR	D	B	A	C		A	A					A	A	A	A	A	A	A	A	A	A	A	D		D		D													D	
FPM (Viton®)	A	A	A	B		A	A					A	A	A	A	A	A	A	A	A	A	A	D		B		A														B
Neoprene		A	A	B		A	B					A	A							A	A	B	B	D		D															
EPDM	D	A	A	A	B		A	A				A	B	A	D	D	A	A	A	A	A	A	A		D		D														D
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A							B	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		A																
Silicone	D		A			A						A	A	A	D	D	A	A	A	A	A	D		D		D															
Fluorosilicone	B		A			A						A	A	A	A	A	A	A	A	A	A	D		A		B															B

Fluid Name	Benzoyl Peroxide	Benzol	Benzyl Acetate	Benzyl Alcohol	Benzylamine	Benzyl Bromoate	Benzyl Bromide	Benzyl Chloride	p - Benzylphenol	Benzyl Salicylate	Beryllium Chloride	Beryllium Fluoride	Beryllium Oxide	Beryllium Sulfate	Bichloride of Mercurys	Bismuth Nitrate	Bismuth Oxychloride	Bismuth Subcarbonate	Bittern	Bitumen, max. +220 °C	Black Sulfate Liquor	Black Point 77	Blast Furnace Gas	Bleach Liquor	Bleaching Powder wet	Blood (Meat Juices)	Boiler Feed Water	Bone Oil	Borane	Borax (Sodium Borate)	Blk. Sulfate Liquor	Bordeaux Mixture	Borax Liquors	Boric Acid	Boric Oxide	Borneol	Bornyl Acetate				
Formula	$(C_6H_5CO_2)_2O_2$		$C_6H_5CH_2OOCCH_3$	$C_6H_5CH_2OH$	$C_6H_5CH_2NH_2$	$C_6H_5CH_2OOCCH_2C_6H_5$	$C_6H_5CH_2Br$	$C_6H_5CH_2Cl$	$C_6H_5CH_2C_6H_4OH$	$CH_3(6H_4OH)COOCH_2C_6H_5$	$BeCl_2$	$BeF_2$	$BeO$	$BeSO_4 \cdot 4H_2O$		$Bi(NO_3)_3 \cdot 5H_2O$	$BiOCl$	$(BiO)_2CO_3$						$Ca(OCl)_2 \cdot H_2O$						$BH_3$	$Na_2B_4O_7 \cdot 10H_2O$				$H_3BO_3$	$B_2O_3$	$C_{10}H_{17}OH$	$C_{10}H_{17}OOCCH_3$			
Aluminum													B							D																					
Brass													B							B					B	B															
Carbon Steel																				B																					
Alloy 600																																									
Alloy 400/450(Monel®)													B													D	B														
Alloy 20													A													B	A														
Alloy C 276 (Hastelloy®)	B																								A																
Titanium																																									
Cast Iron													B														D														
316 Stainless Steel													B								A						C	A													
630 Stainless steel																																									
Carpenter 20®														A												B	A														
PTFE/PFA (Teflon®)	A	B	C	B									A							A	B	A	A	A	A	A	A	A	A												
Nylon																											D														
Polyethylen(PE)																																									
POM (Delrin®)													A								C					D	A														
PCTFE (Kel-F®)																										A															
PEEK														A												A	A														
PVDF	C		C	C									A																												
UHMWPE	C																									A															
TPE	C																																								
Poly Acrylate									D						D										D	D	D	D	D												
Poly Urethane									D					A											D	D	D	D	D												
NBR	D	D	D	D	D								B	D							D	B	A	D	D	D	B	B	A												
FPM (Viton®)	A	A	A	A	A	A							B	A							C	B	A	A	A	B	B	B	A												
Neoprene									D					B	A										B	D	B	B	C												
EPDM			B	B	D								B	A							C	B	A	D	A	B	B	A	B												
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	A	A																
Grafoil®														A												A	A														
Silicone			B		D								A	A																											
Fluorosilicone			B	A	A									A																											

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



Fluid Name	Butter	Buttermilk	Butyl Acetate	n - Butyl Acetate	Butyl Acetyl Ricinoleate	n - Butyl Acetate	Butyl Alcohol	n - Butyl Alcohol	sec - Butyl Alcohol (SBA)	tert - Butyl Alcohol	Butyl Amine	Butyl Benzoate	Butyl Benzyl Phthalate (BBP)	n-Butyl Butyrate	Butyl Carbitol	p - tert - Butylcatechol	Butyl Cellosolve	Butyl Cellosolve Acetate	n - butyl Chloride	Butylene	Butyl Ether	Butyl Lactate	Butyl Laurate	tert - Butyl Mercaptan	n - Butyl Methacrylate	Butyl Oleate	p - tert - Butylphenol	Butyl Stearate	Butyraldehyde	Butyric Acid	Butyric Anhydride	Butyl Phthalate	Butyric Fat	Butyrolactone	Butyroyl Chloride	Bicyclohexane		
Formula				$CH_3COO(CH_2)_4$	$C_{24}H_{44}O_4$	$CH_2 : CHCOOC_4H_9$		$CH_3(CH_2)_2CH_2OH$	$CH_3CH_2CHOHCH_3$	$(CH_3)_3COH$	$C_4H_9NH_2$	$C_6H_5COOC_4H_9$	$C_4H_9OOCOC_6H_4COOC_4H_9$	$CH_3(CH_2)_2COOC_4H_9$	$C_4H_9O(CH_2)_2O(CH_2)_2OH$	$(CH_3)_3CC_6H_5(ON)_2$	$HO(CH_2)_2OC_4H_9$	$C_4H_9C(CH_2)_2OCCCH_3$	$C_4H_9Cl$		$C_4H_9OC_4H_9$	$CH_3CHOHCOOC_4H_9$	$C_{11}H_{22}COOC_4H_9$			$H_2C:C(CH_3)COOC_4H_9$	$CH_3(CH_2)_7CH:CH(CH_2)_7COOC_4H_9$	$(CH_3)_3CC_6H_5OH$	$C_{17}H_{35}COOC_4H_9$	$CH_3(CH_2)_2CHO$	$CH_3(CH_2)_2COOH$	$(CH_3CH_2CH_2CO)_2O$			$O(CH_2)_3CO$	$C_6H_7COCl$	$C_6H_{12}$	
Aluminum	A	B																		A																	A	
Brass		D	B																		A																	A
Carbon Steel		D																			A																	A
Alloy 600																																						
Alloy 400/450(Monel®)	D	B																			A																	
Alloy 20	A	A	A																		A																	
Alloy C 276 (Hastelloy®)			B																																			
Titanium																																						
Cast Iron		D	B																		A																	
316 Stainless Steel	A	A	B																		A																	A
630 Stainless steel																																						
Carpenter 20®	A	A	A																		A																	
PTFE/PFA (Teflon®)	A	A	A	D	A	D	A	A	B					B	A	C	B				A		A		A		A	D	A			A		A			A	
Nylon		A																			A																	
Polyethylen(PE)		A																																				
POM (Delrin®)	A	A	B																		A																D	
PCTFE (Kai-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		D		
Poly Urethane		A	D																																			
NBR	A	A	D	D	B	D	A	A		B	C	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	D	B		D	B				A	
Neoprene	B	A	D				B								C		C																					
EPDM	A	B	B	B	A	D	A	B		B	D	A		A	A	B	B	B			D	C		D		B		D	B	B		A	C				C	
Kalrez®			A	A	A	A		A	A	A	A	A		A	A	A	A	A			A	A		A		A		A	A	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	Cabinol (Methanol)	Cadmium Chloride	Cadmium Chloride, max. +100°C	Cadmium Chloride, max. +200°C	Cadmium Cyanide	Cadmium Nitrate	Cadmium Oxide	Cadmium Sulfate	Cadmium Sulfate, +75°C	Cadmium Sulfide	Calcareous Water	Calicine Liquors	Calcium Acetate	Calcium Arsenate	Calcium Bisulfide	Calcium Chloride	Calcium Bromide	Calcium Carbide	Calcium Carbonate	Calcium Chlorate	Calcium Chloride	Calcium Chromate	Calcium Cyanamide	Calcium Cyanide	Calcium Fluoride	Calcium Gluconate	Calcium Hydride	Calcium Hydrogen Sulfite	Calcium Hydroxide	Calcium Hydroxide	Calcium Hypochlorite	Calcium Hypophosphite	Calcium Nitrate	Calcium Oxalate	Calcium Oxide	Calcium Permanganate	Calcium Peroxide		
Formula		<chem>CdCl2</chem>			<chem>Cd(CN)2</chem>	<chem>Cd(NO3)2</chem>	<chem>CaO</chem>	<chem>CdSO4</chem>		<chem>CdSO4</chem>			<chem>Ca(C2H3O2)2 · 2H2O</chem>	<chem>Ca3(AsO4)2</chem>			<chem>CaBr2 · 6H2O</chem>	<chem>CaC2</chem>	<chem>CaCO3</chem>	<chem>Ca(ClO3)2 · 2H2O</chem>	<chem>CaCl2</chem>	<chem>CaCrO4</chem>	<chem>CaCN2</chem>	<chem>Ca(CN)2</chem>	<chem>CaF2</chem>	<chem>Ca(CaH11O7)2</chem>	<chem>CaH2</chem>	<chem>Ca(HSO3)2</chem>	<chem>Ca(OH)2</chem>	<chem>Ca(OH)2</chem>	<chem>Ca(OCl)2</chem>	<chem>Ca(H2PO2)2</chem>	<chem>Ca(NO3)2 · 4H2O</chem>	<chem>CaC2O4 · H2O</chem>	<chem>CaO</chem>	<chem>Ca(MnO4)2 · 4H2O</chem>	<chem>CaO2</chem>		
Aluminum																D		C	B	C																			
Brass																C		C	D	B																			
Carbon Steel			C	C					A		A					D		D	D	C																			
Alloy 600																D		B	B	A																			
Alloy 400/450(Monel®)																D		B	B	A																			
Alloy 20																B		B	B	B														B					
Alloy C 276 (Hastelloy®)														A	A		A	B	A														A	B					
Titanium																A		A	A	A																			
Cast Iron																D		D	C	C																			
316 Stainless Steel																A		A	B	B														B		A			
630 Stainless steel																																							
Carpenter 20®																	B		B	B	B													B					
PTFE/PFA (Teflon®)			A	A	A				A		A	A	A	A	A		A	A	A				A				A			A	A	A		A					
Nylon																		A	D													B							
Polyethylen(PE)																		A																					
POM (Delrin®)			B	C					A		A					D		A	D	A											A	A		C		A			
PCTFE (Kel-F®)																																							
PEEK																	A		A	A	A											A		A					
PVDF		A							A				A	A			A	B	A						A		A				C	C		A					
UHMWPE																			B	A	B										A	A		A					
TPE																B <sup>1</sup>															B <sup>1</sup>	C <sup>1</sup>							
Poly Acrylate	D															C		D	D												D	D				B			
Poly Urethane	D																C		D	B												B	D			B			
NBR	A		A	C	A				A		A	A	B	A	B	B		A	B	A			A				D			A	B		A		A		A		
FPM (Viton®)	D		B	B	A				A		A	A	D	A	B	B		A	B	A			A				A			A	A		A						
Neoprene	A																B	B													A	B		A					
EPDM	A				A						A	A	A	A	A	A		A	B	A			A				D			A	A		A		A		A		
Kalrez®		A			A	A	A	A	A		A	A	A	A	A	A		A	A	A			A							A	A		A	A	A	A	A		
Grafoil®																	A		A	B	A												A			B			
Silicone	A												D	C	C				A	A											A	B		B					
Fluorosilicone	A																		A	A												A	B		A		A	A	A

Fluid Name	Calcium Phosphate	Calcium Propionate	Calcium Salts	Calcium Silicate	Calcium Stearate	Calcium Sulfamate	Calcium Sulfate	Calcium Sulfide	Calcium Sulfite	Calcium Thiocyanate	Calcium Thiosulfate	Calcium Tungstate	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	$Ca_3(PO_4)_2 : CaSO_4$	$Ca(OOCCH_2CH_3)_2$			$Ca(C_{18}H_{35}O_2)_2$	$Ca(SO_3NH_2)_2 : 4HOH$	$CaSO_4$	$CaS$	$CaSO_3 : 2HOH$	$Ca(SCN)_2 : 3HOH$		$CaWO_4$			$C_{10}H_{16}$	$C_{10}H_{16}O$	$C_8H_{14}(COOH)_2$			$CH_3(CH_2)_8COOH$	$CH_3(CH_2)_6COOH$		$(CH_2)_5NHCO$		$(C_6H_5)_2NH$		$C_6H_5OH$					$CO_2$	$CO_2$	$CO_2$	$CO_2$	$CO_2$	$CS_2$	$CF_4$		
Aluminum	D			D			B																																	
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		A	
Nylon							B																					B				B								
Polyethylen(PE)																																B								
POM (Delrin®)	B			A			A						A		A		A	A										D	A	A	A	D	A							
PCTFE (Kel-F®)																																								
PEEK	A			A			A						A		A		A											A	A	A	A	A								
PVDF	A	A					A	B	A																								A							
UHMWPE	A						B																						A	D	A	A							C	
TPE																															C <sup>1</sup>	A	A <sup>1</sup>							
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	A	D		
FPM (Viton®)	A	A	A				A	A	A	A			A	A		B		A	A				D	D	A		B	A	B	A	A	A	B	B	B	C	A			
Neoprene	B			A			A						A	A		B		A										D	B	A	D	B	B		B	C				
EPDM	A	A	A				B	A	A	A			A	A		B		A					B	A	B		B	B	B	A	D	B	B	B	B	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	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	Cellulose	Cellulosolve Acetate	Celluguard	Cellulose Acetate	Cellulose / Pulp Wood	China Wood Oil (Tung)	Cellulose (Phosphate Esters)	Cellulose A60	Cellulose 220	Cellultherm 2505A	Cement, Portland	Ceric Sulfate	Cerous Chloride	Cerous Fluoride	Cerous Nitrate	Cetane (Hexadecane)	Cetyl Alcohol	Chaulmoogric Acid	Chloral	Chloramine	Chloroform	Chlorextol				
Formula	H <sub>2</sub> CO <sub>3</sub>	CO <sub>2</sub>	CBr <sub>4</sub>	CCl <sub>4</sub>				H <sub>2</sub> SO <sub>5</sub>					Ca(OH) <sub>2</sub>	KOH	NaOH		CH <sub>3</sub> COO(CH <sub>2</sub> ) <sub>2</sub> OC <sub>2</sub> H <sub>5</sub>								C <sub>4</sub> AF, C <sub>3</sub> A, C <sub>3</sub> S, C <sub>2</sub> S	Ce(SO <sub>4</sub> ) <sub>2</sub> · 4H <sub>2</sub> O	CeCl <sub>3</sub>	CeF <sub>3</sub>	Ce(NO <sub>3</sub> ) <sub>3</sub>	C <sub>16</sub> H <sub>34</sub>	C <sub>16</sub> H <sub>33</sub> OH	(CH <sub>2</sub> ) <sub>2</sub> (CH) <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> COOH	CCl <sub>3</sub> CHO	NH <sub>2</sub> Cl	C <sub>10</sub> H <sub>6</sub> Cl <sub>8</sub>						
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	D	
Kalrez®	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	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	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 <sub>3</sub>	C <sub>10</sub> H <sub>7</sub> Cl					Cl <sub>2</sub>	Cl <sub>2</sub>	Cl <sub>2</sub>	ClO <sub>2</sub>							ClF <sub>3</sub>	H <sub>2</sub> O : Cl <sub>2</sub>					ClCH <sub>2</sub> CHO	CH <sub>2</sub> ClCOOH	CH <sub>3</sub> COCH <sub>2</sub> Cl	ClCH <sub>2</sub> COCl	ClC <sub>6</sub> H <sub>4</sub> NH <sub>2</sub>	C <sub>6</sub> H <sub>4</sub> CHOCl	C <sub>6</sub> H <sub>5</sub> Cl	ClC <sub>6</sub> H <sub>4</sub> CF <sub>3</sub>	BrCH <sub>2</sub> Cl		CH <sub>2</sub> CClF <sub>2</sub>	CHClF <sub>2</sub>								
Aluminum	D					D D				D D	D D											D																				
Brass	D					D D				C D	C D												C																			
Carbon Steel	D					D D				B D	A C	A C	A C	A C	A C	A C							C																			
Alloy 600										D B	D B												A																			
Alloy 400/450(Monel®)	C					D				A B	A B											B																				
Alloy 20						A				A	A												A																			
Alloy C 276 (Hastelloy®)	A					D				A D	A D							A D	A D	A D	A D	A D	A																			
Titanium	A					A				D A	D A												A																			
Cast Iron										B	B												C																			
316 Stainless Steel	C					C D				B C	B C												A																			
630 Stainless steel						D				C	C																															
Carpenter 20®						A				A	A												A																			
PTFE/PFA (Teflon®)	A	D	A	D	A	A	C	C	C	A	A	A	A	A	A	A	D	A	A	A	A	A		B	D		B	B	A	A	C	C							B			
Nylon						D				D D	D D																															
Polyethylen(PE)										C C	C C																															
POM (Delrin®)						D D				D	A	C	A	C	C	C							A																			
PCTFE (Kel-F®)										A	A																															
PEEK						D D				A	A												A																			
PVDF	A						A	C	B																															A		
UHMWPE						C				D	D								B D	D																						
TPE																																										
Poly Acrylate						D				D	D												D D	D D	D D																	
Poly Urethane																								D D	D D																	
NBR		B	D	D	D	B	D	D	C	D	C	D	C	C	C	C	D	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	B	B	A	A	A	A	A	A	D	A	A	A	A	A	A	D	D	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Neoprene						A	D			D D	D D												D D	D D																		
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	A
Grafoil®						A				A													A																			
Silicone			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 (FC-13)	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 <sub>3</sub>		CH <sub>2</sub> OHCHOHCH <sub>2</sub> Cl	C <sub>6</sub> H <sub>4</sub> ClNO <sub>2</sub>			CClF <sub>2</sub> CF <sub>3</sub>	C <sub>6</sub> H <sub>4</sub> OHCl	C <sub>6</sub> H <sub>4</sub> OHCl		CCl <sub>3</sub> NO <sub>2</sub>	H <sub>2</sub> C : CHCl : CH <sub>2</sub>	ClSO <sub>2</sub> OH			C <sub>2</sub> CF <sub>4</sub> Cl	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> Cl	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> (SO <sub>3</sub> H)Cl	CClF <sub>3</sub>	ClFC : CH <sub>2</sub>		C <sub>6</sub> H <sub>12</sub> (CH <sub>3</sub> ) <sub>2</sub> OHCl	C <sub>27</sub> H <sub>45</sub> OH	(CH <sub>3</sub> ) <sub>3</sub> NOH(CH <sub>2</sub> ) <sub>2</sub> OH		H <sub>2</sub> CrO <sub>4</sub>								CrCl <sub>3</sub>	CrF <sub>3</sub>	Cr(OH) <sub>3</sub>	Cr(NO <sub>3</sub> ) <sub>3</sub>			
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
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	A	B								A	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	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	B	A	A	B	B	A	A	B	B	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		D	D										A	B	C											
Fluorosilicone	D			D	D	B							B	D		B	D										B	C												

Fluid Name	Chromic Oxide	Chromic Phosphate	Chromic Sulfate	Chromium Potassium Sulfate	Chromyl Chloride	Cinnamic Acid	Cinnamic Alcohol	Cinnamic Aldehyde	Circo 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 <sub>2</sub> O <sub>3</sub>	CrPO <sub>4</sub>	Cr <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	CrK(SO <sub>4</sub> ) <sub>2</sub>	CrO <sub>2</sub> Cl <sub>2</sub>	C <sub>6</sub> H <sub>5</sub> CH : CHCOOH	C <sub>6</sub> H <sub>5</sub> CH : CHCH <sub>2</sub> OH	C <sub>6</sub> H <sub>5</sub> CH : CHCHO												Co(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> · 4H <sub>2</sub> O	CoBr <sub>2</sub> · 6H <sub>2</sub> O	CoCl <sub>2</sub> · 6H <sub>2</sub> O	Co(C <sub>18</sub> H <sub>31</sub> O <sub>2</sub> ) <sub>2</sub>	CoSO <sub>4</sub>							H <sub>2</sub> : CH <sub>4</sub> · N <sub>2</sub> : CO						Cu(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> · H <sub>2</sub> 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		A	
PTFE/PFA (Teflon®)	A		A	B				A	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 <sup>1</sup>	A <sup>1</sup>																												
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	A	D	A	D	A	A	D	B		
FPM (Viton®)	A	B	A					A	B	A	A	A	A	A	B	A	A	A							C	B	A	A	A	A	A	A	A	A	A	A	A	D	D
Neoprene		B							B	A	A				A										B	B	B		A	A	D				B		C	C	
EPDM	B	B	B					D	A	A	D	D	D	A			B	D			A				D	A	C	A	A	A	D	A	C	D	D	A	A		
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	A	A	A			A	A			A				A		A		A	
Grafoil®		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	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	Crotonic Acid	Crude Oil	Crude Oil, Sour	Crude Oil, Sweet	Cumene	Cumene Hydroperoxide	Cuminic Aldehyde	Cupric Nitrate	Cupric Sulfate	Cutting Oils, Water Emulsions	Cyanamide	Cyanide	Cyanoacetic Acid	Cyanogen Chloride		
Formula	$Cu_2(OH)_2CO_3$	$CuCl_2$	$Cu(CN)$	$(Cu_2OH)(CHOH)_2COO)_2Cu$			$Cu(NO_3)_2$			$CuSO_4$											$CH_3C_6H_4OH$		$CH_3CH : CHCHO$	$CH_3CH : CHCOOH$					$C_6H_5CH(CH_3)_2$	$C_6H_5C(CH_3)_2OOH$	$(CH_3)_2CHC_6H_4CHO$				$HN : C : NH$		$CNCH_2COOH$	$CNCl$	
Aluminum	D	D	D				D			D			D			B		B					C			B	B	A					D			C	D		
Brass		D	D				D			D			B			B		B					C			A	C	B							A		D		
Carbon Steel		D					D			D			C			C		B					C			A	B	B							B				
Alloy 600							D			B								A																					
Alloy 400/450(Monel®)		B	C				D			C			D			B		B					B			B	A					D					D		
Alloy 20	A	A					B			B			B			B		A		B		B		B		A	A					A		A			B		
Alloy C 276 (Hastelloy®)			A	B			B			A	A	A						B		B		B		B															
Titanium							A			B																													
Cast Iron			D				D			D			C			C		B					D			C	B							B		D			
316 Stainless Steel		D	A				B			B			A			B		B		B		B		B		A	A	A				A		A		B			
630 Stainless steel										B								B																					
Carpenter 20®	A	A					B			B			B			B		A		B		B				A	A					A		A		B			
PTFE/PFA (Teflon®)	A	A	A				A	A	A	A	A	A	A			A	A	A	A	A	A	A	A			A		C				A	A						C
Nylon		D					D			A			D																										
Polyethylen(PE)							B						B						D																				
POM (Delrin®)	A	A	A				A			A			A			A		D		D		D			A	A	A					D		A		D			
PCTFE (Kel-F®)																					A																		
PEEK	A	A					A			A			A			A		A		A		A		A		A	A					A		A		A			
PVDF	A	A					A			A			A			A					B																		
UHMWPE			B				B			A	A	A	A			A		D		D		D		B															
TPE	A <sup>1</sup>									A <sup>1</sup>	A <sup>1</sup>										D																		
Poly Acrylate		D						D		D			A	D	D	A		D				D		D		A			D										
Poly Urethane		B						D		D			A	B	B	A		D				A		D		B		D											
NBR		A	A	B			A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	A	A	A	D			A	A		B		D	
FPM (Viton®)		A	A	A			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	D	D	A	A	A				A	A		B		B	
Neoprene		B	A				A	A		A			C	B	B	C		D		D	D	D	D	D	C	B	B	D						B		B			
EPDM		A	A				B	A	A	A			C	A	A	C		D	D	D	A	D	A	B	D	D		D				A	D		B		C		
Kalrez®	A	A	A	A			A	A		A			A			A		A	A	A	A	A	A	A	A	A		A	A	A			A	A	A	A	A	A	A
Grafoil®	A	A					B			A			A			A		A		A		A				A	A				B			A					
Silicone		A	A					C	A	A			A	B	A	A		D	D	D	D	D	D	D	D	D								D					
Fluorosilicone		A	A					C	A	A			A	A	A	A		A	A	B	B	B	D	D	B			C						A					



Fluid Name	Cyanohydrin	Cyanuric Chloride	Cuprous Ammonia Acetate Solution	Cyanic Acid Solution	Cyanic Compounds	Cyanogen	Cyclohexane	Cyclohexanol	Cyclohexanone	Cyclohexene	Cyclohexylamine	Cyclopentadiene	Cyclopentane	Cyclopropane	p - Cymene
Formula	$C_3N_3Cl_3$						$C_6H_{12}$	$C_6H_{11}OH$	$C_6H_{10}O$	$C_6H_{10}$	$C_6H_{11}NH_2$	$C_5H_6$	$C_5H_{10}$	$C_3H_6$	$CH_3C_6H_4CH(CH_3)_2$
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 <sup>1</sup>								
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	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					
2, 4 - D	$C_{12}C_{18}H_{18}OCH_2COOH$																																				
DC 200,510,550,710 (Silicone Oils)																																					
DDT (Dichlorodiphenyltrichloroethane)	$(ClC_6H_4)_2CHCl_3$																																				
DDT Solutions (Toluene Solvent)																																					
DDT Solutions (Kerosene Solvent)																																					
Dead Oil																																					
Decahydronaphthalene	$C_{10}H_{18}$																																				
n - Decane	$C_{10}(CH_2)_8CH_3$																																				
Deionized Water	$H_2O$																																				
Delco Brake Fluid																																					
Desmophen																																					
Detergents, synthetic																																					
Developing Fluids																																					
Dextron																																					
Diacetone																																					
Diacetone Alcohol (Diacetol)	$C_8H_{16}O_2$																																				
Diallyl Phthalate (DAP)	$C_8H_{14}(COOCH_2CH=CH_2)_2$																																				
Diamylamine	$(C_5H_{11})_2NH$																																				
Diazinon	$[C(CH_3)_2CH_2C_6H_4(CH_3)_2O]_2PS(OCH_3)_2$																																				
Dibenzyl Ether	$C_6H_5CH_2OCH_2C_6H_5$																																				
Dibenzyl Sebacate	$C_8H_{16}CH_2OOC(CH_2)_8COOCH_2C_6H_5$																																				
Diborane	$B_2H_6$																																				
Dibromodifluoromethane	$CF_2Br_2$																																				
Dibromoethylbenzene																																					
Dibromotetrafluoroethane (FC 114B2)	$(C_2H_2F_2)_2$																																				
Dibutyl Cellosolve Adipate																																					
Dibutyl Ether																																					
Dibutyl Phthalate																																					
Dibutyl tert - Peroxide	$(CH_3)_3COOC(CH_3)_3$																																				
Dibutyl Phthalate (DBP)																																					
Dibutyl Sebacate																																					
n - Dibutylamine	$(C_4H_9)_2NH$																																				
Dicapryl Phthalate	$(C_{17}H_{33}O_2)_2C_6H_4$																																				
Dichloroacetic Acid	$CHCl_2COOH$																																				
3, 4 - Dichloroaniline	$C_6H_3NH_2Cl_2$																																				
o - Dichlorobenzene	$C_6H_4Cl_2$																																				
p - Dichlorobenzene	$C_6H_4Cl_2$																																				

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	$\text{ClCH}_2(\text{CH}_2)_2\text{CH}_2\text{Cl}$	$\text{ClH}_2\text{CCH}_2\text{CH}_2\text{Cl}$	$\text{S}(\text{CH}_2\text{CH}_2\text{Cl})_2$	$\text{CCl}_2\text{F}_2$		$\text{ClHC} : \text{CHCl}$	$\text{CFCI}_2\text{CH}_3$	$\text{CHCl}_2\text{F}$	$\text{CH}_2\text{ClCH}_2\text{OHCH}_2\text{Cl}$	$[\text{ClCH}_2\text{C}(\text{CH}_3)_2\text{O}]_2$	$\text{Cl}_2\text{C}_6\text{H}_4\text{OH}$		$\text{CHCl} : \text{CHCH}_2\text{Cl}$				$(\text{CClF}_2)_2$	$\text{CF}_3\text{CHCl}_2$	$(\text{C}_6\text{H}_{11})_2\text{NH}$	$\text{C}_{12}\text{H}_{10}\text{OCl}_6$				$(\text{HOCH}_2\text{CH}_2)_2\text{NH}$	$(\text{C}_2\text{H}_5)_2\text{NH}$		$(\text{C}_2\text{H}_5)_2\text{NC}_6\text{H}_5$	$\text{C}_6\text{H}_4(\text{C}_2\text{H}_5)_2$	$(\text{C}_2\text{H}_5)_2\text{CO}_3$						$\text{CH}_2\text{OCH}_2\text{OCH}_2\text{CH}_2\text{OH}$	$\text{C}_4\text{H}_8\text{O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2\text{OH}$	$\text{CH}_3\text{O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2\text{OH}$		
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		
Poly Urethane	D					D								D								C			D		D		D	D	D	D	D	D	D	D	D		
NBR	D	B		A	D	D		D	D		D	D	D				A	C		A	B	B	D	B	D		D	D	C	C	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	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		
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	D	C	D	A	D		

Fluid Name	Diethylenetriamine	Diethyl Ether	Diethylhexylamine	Diethylhexyl Phthalate	Diethylhexyl Sebacate	Diethyl Phthalate	Diethyl Sebacate	Diethyl Sulfate	Difluoroethane (FC 152a)	Diglycol Chloroformate	Diglycolic Acid	Dihydroxydiphenylsulfone	Diisobutylene	Di - Isobutyl Ketone	Di - Isobutylene	Diisooctyl Sebacate (DIOS)	Di - Isopropyl Benzene	Diisopropyl Ketone	Diisopropylidene Acetone	Dimethyl Acetamide (DMAC)	Dimethylamine (DMA)	Dimethyl Aniline	Dimethyl Ether	Dimethyl Phthalate	Dimethyl Formamide (DMF)	Dimethyl Heptanol	Dimethyl Hydrazine	Dimethyl Phthalate	Dimethyl Sulfoxide (DMSO)	Dimethyl Terephthalate (DMT)	Dinitrotoluene (DNT)	Diocetyl Amine	Diocetyl Phthalate	Dioxane	Dioxolane	Dipentene	Dipentane (Pinene)		
Formula	$NH_2C_2H_4NH_2$	$C_2H_5OC_2H_5$	$[C_{16}H_{33}CH_2]_2NH$	$C_6H_4[COOC_2H_4CH_2(C_2H_5)_2C_6H_4]_2$	$C_4H_9COO(C_8H_{17})_2$	$C_6H_4(CO_2C_2H_5)_2$	$(C_2H_5)_2SO_4$	$CH_3CHF_2$	$O[(CH_2)_2OCOC]_2$	$(C_6H_4OH)_2SO_2$	$(CH_3)_2CHCH_2COCH_2CH_2CH_2CH_2$	$C_8H_{17}OOC(CH_2)_8COOC_8H_{17}$	$CH(CH_3)_2(C_6H_5)CH(CH_3)_2$	$[(CH_3)_2CH]_2CO$	$CH_3CON(CH_3)_2$	$(CH_3)_2NH$	$C_6H_5N(CH_3)_2$	$CH_3OCH_3$	$HCON(CH_3)_2$	$[(CH_3)_2CHCH_2]_2CHOH$	$(CH_3)_2NNH_2$	$C_6H_4(COOC_2H_5)_2$	$(CH_3)_2SO$	$C_6H_4(COOC_2H_5)_2$	$C_6H_3CH_3(NO_2)_2$		$O(CH_2)_2_2$	$O(CH_2)_2OCH_2$	$C_{10}H_{16}$										
Aluminum							B																																
Brass							B																																
Carbon Steel																																							
Alloy 600																																							
Alloy 400/450(Monel®)							B																																
Alloy 20							B																																
Alloy C 276 (Hastelloy®)	B																																						
Titanium																																							
Cast Iron							B																																
316 Stainless Steel							B																																
630 Stainless steel																																							
Carpenter 20®							B																																
PTFE/PFA (Teflon®)	D		B	A		B	A															D																	
Nylon																																							
Polyethylen(PE)																																							
POM (Delrin®)								A																															
PCTFE (Kel-F®)																																							
PEEK								A																															
PVDF	A											A							D	D	C	A	D																
UHMWPE																																							
TPE	C																																						
Poly Acrylate														D	D		D																						
Poly Urethane														D	D		D																						
NBR	D	D	D		D	C	A						B	D	A	C	D	D	D			D	D	D	B			D	C		D	D	D	D	D	D	B	B	
FPM (Viton®)	D	B	B		B	B	D						A	D	A	B	A	D	D	D		D	D	B	D			B	D	B	D	D	D	B	D	D	A	B	
Neoprene								C					D	D		D						D	D	C				D						D	D	D	D	D	
EPDM	D	B	B		B	C	A						D	A	D	C	D	A	C			B	D	B	A			B	A		D	A	A	B	B	D	D		
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®								A																															
Silicone	D	C	C		B								D	D	C	D	D	D				D	A										D	D		D	D	D	
Fluorosilicone	C	B	C		B								C	D	C	B	D	D				D	A										D	D	D	D	A		



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



Fluid Name	Ethyl Chloride, wet	Ethyl Chloroacetate	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	$C_2H_5OCCl_2$	$C_2H_5CN$	$C_2H_5C_5H_9$			$C_2H_5Cl_2$				$C_2H_4ClCH_2OH$	$HOCH_2CH_2CN$	$NH_2(CH_2)_2NH_2$	$BrCH_2CH_2Br$	$ClCH_2CH_2Cl$	$(CH_2OH)_2$	$HO(CH_2)_2OC_4H_9$	$C_4H_9C(CH_2)_2OCCCH_3$	$CH_3COO(CH_2)_2OC_2H_5$	$CH_2OCH_2$		$(C_2H_5)_2O$	$C_2H_5OOC(CH_2)_2OC_2H_5$	$HCOC_2H_5$		$(CH_3)_2CHCH_2COOC_2H_5$	$CH_3CHOHCOOC_2H_5$	$(CH_2)_2O(CH_2)_2NCH_2CH_3$	$C_2H_5NO_2$	$(COOC_2H_5)_2$			$(C_2H_5)_5SiO_4$		$C_2H_5HSO_4$					
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				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	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							A																				
UHMWPE	D							D			A	D	A		D				C																				
TPE														C	A				A																				
Poly Acrylate						D	B	D	D			D	D	D	D				D															D					
Poly Urethane						D	B	D	D			D	D	B					D															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					B	
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					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
Grafoil®	A								A					A	A				A	A													A	A					
Silicone	D	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	C	C		A	A									B	D	A						

Fluid Name	Ethylhexyl Acrylate	Ethylmorpholinestannous Octoate	Explosive (Annex 1)
Formula	CH <sub>2</sub> :CHCOOCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )C <sub>4</sub> H <sub>9</sub>		
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 Ammolioum 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	Fluorofoem (FC 23)	FLUOROLUBE	Fluorophosphoric Acid, Anhydrous	Flue Gases	Fluosilicic Acid	Fluosulfonic Acid	FOMBLIN					
Formula								$Fe(C_2H_3O_2)_3 \cdot OH$	$FeNH_4(SO_4)_2$	$FeCl_3$	$Fe(OH)_3$	$Fe(NO_3)_3$	$Fe_2(SO_4)_3$	$Fe(SO_4) : (NH_4)_2SO_4$	$FeCl_2$	$FeI_2$	$FeSO_4$	$FeSO_4$							$HBF_4$	$F_2$				$C_6H_5F$	$CHF_3$		$H_2PO_3F$		$H_2SiF_6$	$HSO_3F$						
Aluminum										D	D	D	B	D	D	C	C	B					C	D	D	B	D							C	D							
Brass										D	D	D		B	B	B	C	C					B	D	C	D								B	B							
Carbon Steel										D	D	D		D	D	D	C	B				A	B	A	D	A	D									D						
Alloy 600										D	D	A		D			B								A	A	A	A									A					
Alloy 400/450(Monel®)										D	A	D	D	D		B	B	B						A	A	A	A									B	A					
Alloy 20											A	A	A	B	D		B	A	B					A	A											A	B					
Alloy C 276 (Hastelloy®)										B	B	A		D		B	B							A	B	B	B										B					
Titanium										A		A		A		A								D	D	D											D					
Cast Iron											D	D		D		D	C	B					B													B	D					
316 Stainless Steel										D	A	C	B	B	D		B	B	A	B				A	B	D	B	D									A	B				
630 Stainless steel												B	B																													
Carpenter 20®											A	A	A	B	D		B	A	B					A	A	A											A	B				
PTFE/PFA (Teflon®)	D	D								A	A	A	A	A	A	A	A	A	A					A	A	D	A	A					B			A	A					
Nylon										D		D		D		D																										
Polyethylen(PE)										B	B	B					B										B	B														
POM (Delrin®)										A	A	A	A	A	A	A	A	A					B	A	D	D											C	C				
PCTFE (Kel-F®)														A			A	A										A														
PEEK											A	A	A	A	A		A	A	A					A	D	A												A	D			
PVDF																										D																
UHMWPE										A	A	A	A	A		A									A	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					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					A																D		

Fluid Name	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 <sub>2</sub>	HCOOH																				HC : CHCH : CHO	C <sub>4</sub> H <sub>3</sub> OCHO		C <sub>4</sub> H <sub>3</sub> OCH <sub>2</sub> OH	C <sub>4</sub> H <sub>3</sub> OCCOOH										
Aluminum	A	A	B				D	D	D	B	B	B	A	B	A	B				D	C	A																			
Brass	A	A	B				D	B	B	B	B	B	A	B	A	B				D	B	B																			
Carbon Steel	C	A	D				D	D	D	C	B										D	B	A	A	A																
Alloy 600		B	B					C	D	B																															
Alloy 400/450(Monel®)		A	B					B	B	A	A	B	B	B		B				B	B	B																			
Alloy 20		A	B					A	B		A	A	A	A	A	A				B	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																			
Titanium		A	A					D	D	C																															
Cast Iron		B	D					D	D		B	C	B	C	B	C				D	D	B																			
316 Stainless Steel		A	A	C				B	B	B	C	A	A	A	A	A				C	A	A																			
630 Stainless steel		A						B	D		A									B																					
Carpenter 20®		A	B					A	B		A	A	A	A	A	A				B	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				D																					
Polyethylen(PE)												B																													
POM (Delrin®)		A	A	A				D	D	D		A	A	A	A	A				A	A	A	C	C	A	A		C	A												
PCTFE (Kel-F®)				B					A	B			C	C	C	C																									
PEEK		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																																							
Poly Urethane		D																																							
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	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	D	D	D	D	D	D	D	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	D	C	B	B	B	A	B		
Kalrez®		B	A	A				A	B	B	B		D	D	A	C	D									A															
Grafoil®			A	A				A	A		A	A	A	A	A	A				A		A																			
Silicone		C						C																																	
Fluorosilicone		D						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	
Brass		C	B		B	B	A	A	A	A	A					A	A				B	B	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	
Alloy 600						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		B		B	
Alloy 20		B				B	B	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		A	
Titanium						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	
316 Stainless Steel		B	A			B	A	B		A	A					A	A				A	A	A	A					A	B		A		A		B	
630 Stainless steel																				A												A					
Carpenter 20®		B				B	B	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	
Nylon		A				A	A	A		A	A					A	A				A	B	A	A					A	A		B					
Polyethylen(PE)											D																					D					
POM (Delrin®)		A	A	A	A	C	A	A	A	A	B	A				A	A				A	A	A	A					A	A		C		C		C	
PCTFE (Kel-F®)		A				A																															
PEEK		A				A	A	A			A					A	A				A	A	A	A					A	A		A		A		A	
PVDF											A																					A		A			
UHMWPE		A	A								A	D				D	D				D	D	D	A					A	A		A		A		A	
TPE											A																					A		A			
Poly Acrylate		D								D			D	D	D					D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
Poly Urethane		D								B			A	B	B					B	B	B	B	B	D			D	A	A		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	D		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			D	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	A			D	B		A	A	A		A		
EPDM		B	B	D	C	C		D		D	D	D	D	D	D	D				D	D	D	D	D	A			A	B		A	B	A		A		
Kalrez®	D	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	
Silicone										D	D		D	D	D					D	D	D	D	D	A			B		A	A	A		A		A	
Fluorosilicone		B								A	A		A	A	A					A	A	A	A	A				D	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	Hexamethylsilazane (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 <sub>3</sub> CHBrCl								He	C <sub>10</sub> H <sub>7</sub> Cl <sub>7</sub>	C <sub>6</sub> H <sub>13</sub> CHO		CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub>	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> COOH		Cl <sub>3</sub> CCOCCl <sub>3</sub>	Cl <sub>2</sub> C : CClCl : CCl <sub>2</sub>	Cl <sub>3</sub> CCCl <sub>3</sub>	C <sub>16</sub> H <sub>34</sub>		C <sub>2</sub> F <sub>6</sub>	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CHO	(CH <sub>3</sub> ) <sub>3</sub> SiNH <sub>2</sub> (CH <sub>3</sub> )	H <sub>2</sub> N(CH <sub>2</sub> ) <sub>6</sub> NH <sub>2</sub>	(CH <sub>2</sub> ) <sub>6</sub> N <sub>4</sub>		CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub>	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH : CH <sub>2</sub>		CH <sub>3</sub> COOC <sub>6</sub> H <sub>13</sub>	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>2</sub> OH	(CH <sub>3</sub> ) <sub>2</sub> COHCH <sub>2</sub> CHOHCH <sub>3</sub>	C <sub>6</sub> H <sub>13</sub> CaH <sub>13</sub> (OH) <sub>2</sub>						
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	B	A	C				A	A	A		
Nylon																												A										
Polyethylen(PE)																																						
POM (Delrin®)			C	C	C			A			A																A											
PCTFE (Kel-F®)																											C											
PEEK								A			A																A											
PVDF											A					A	A									C	A										A	
UHMWPE								A			C																D										B	
TPE																											A											
Poly Acrylate							D	A			A				D	D											A					D		D				
Poly Urethane							D	A			B				D	D											B				D		D					
NBR	D	D	D	B	C	A	B	B	A		A	A		D	D			A		A	D					A	A	A	B	D		A			A	A		
FPM (Viton®)	A	A	C	B	C	B	A	A	A		A	A		D	D			A		B	D					A	A	B	A	D		A			A	A		
Neoprene							D	A			B				D	D											B		C		B		B					
EPDM	D	D	D	D	C	A	D	D	A		D	D		A	A			D		A	A					D	D	D	D	A		C			A	A		
Kalrez®	B	B				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											
Silicone	D	D				A	D	D	A		D	D		D	D			D			B					D	D		D	B		B			A	A		
Fluorosilicone	B	A				A	B	B	A		A	C		D	D			C								A	A		A	D		B		B		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%	Hydrofluosilicic Acid	Hydrofluosilicic Acid 20%	Hydrofluosilicic Acid 100%	Hydrogen, Gas				
Formula													H <sub>2</sub> NNH <sub>2</sub>		N <sub>2</sub> H <sub>4</sub> : 2HCl	NH <sub>2</sub> NNH <sub>2</sub> : HOH	HI	HBr				HCl	HCl	HCl	HCl	HCN	HCN	HF	HF	HF	HF	HF	HF				H <sub>2</sub>				
Aluminum					A	A		D		A	A	C						D				D			A	D									D						
Brass					C	C		A		A	B	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																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				A	A	C				B	B	A		
TPE												C													B	C	C				D	D								A	
Poly Acrylate			D	D							A							D					A	D			D	D												B	
Poly Urethane				D							A		D					D						A	D				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	D	B	A	B	A			
FPM (Viton®)	A	C	A	B	A	C	B	D	A	A	A	A	D	D				A	A	A	A	A	A	A	A	A	A	B	A	B	B	A	C	A	A	A	A	A			
Neoprene			D	B							C	B	B					D					D	D		B	D									B			A		
EPDM	A	A	A	A	A	A	C	A	D	D	D	A	A					A					D	C	C	B	A	D		D				C	D	A			A		
Kalrez®											A	A	B		A	A	A								A	A	A									A	A	A		A	
Grafoil®											A																										A				
Silicone			C	B							D	C	B					D					D	D	C	D	C	D	D	D	D	D	D	D	D	D	D		C		
Fluorosilicone			B	B							A	D	D					C							A	D	B	C	B	D	D	D	D	D	D	D	D		C		

Fluid Name	Fluid Name																																																				
	Hydrogen Gas, cold	Hydrogen Gas, hot	Hydrogen Bromide	Hydrogen Chloride Gas	Hydrogen Cl, dry	Hydrogen Cl, wet	Hydrogen Fluoride	Hydrogen Iodide	Hydrogen Perox, dil	Hydrogen Perox, con	Hydrogen Peroxide	Hydrogen Peroxide > 25%	Hydrogen Peroxide < 25%	Hydrogen Peroxide (less than 90% active)	Hydrogen Peroxide (90% active)	Hydrogen Peroxide 10%	Hydrogen Peroxide 30%	Hydrogen Peroxide 50%	Hydrogen Peroxide 100%	Hydrogen Selenide	Hydrogen Sulfide	Hydrogen Sulfide, wet	Hydrogen Sulfide, dry	Hydrogensulfite	Hydrofluosilicic	Hydrochlorous Acid	HYDROLUBE	Hydroquinone	Hydroxy Acetic Acid	Hydroxy Acetic Acid 70%	Hydroxycitronellal	Hydroxyethylenediamine	Hydryne	HYJET	Hypo (Sodium Tiosulfate)	Hypochlorous Acid	Hypoid Lubes, Gear Oils																
Formula			HBr	HCl			HF	HI			H <sub>2</sub> O <sub>2</sub>					H <sub>2</sub> O <sub>2</sub>				H <sub>2</sub> Se	H <sub>2</sub> S							C <sub>6</sub> H <sub>4</sub> (OH) <sub>2</sub>	CH <sub>2</sub> OHCOOH	(CH <sub>2</sub> ) <sub>2</sub> C(OH)(CH <sub>2</sub> ) <sub>2</sub> CH(CH <sub>3</sub> )CH <sub>2</sub> CHO	NH <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> NH(CH <sub>2</sub> ) <sub>2</sub> OH				HOCl																		
Aluminum	A	C			D	D			A	A	A	A	A									B	B		D											B																	
Brass	B				C	D			D	D	D	D	C										D	C		D												C															
Carbon Steel	B	B	C		B	D			D	D	D	D	D										C	B		D													D														
Alloy 600	A				A	D			B	A													B	B																													
Alloy 400/450(Monel®)	A				A	C			B	D		D	D										C	B		A													B														
Alloy 20	A	A										B	B										B	B																B													
Alloy C 276 (Hastelloy®)	A	A			A				A	A		D	D			A	A	A	A				B	B					B																								
Titanium	A								A	A													A	A																													
Cast Iron	B											D	D										D	B																C													
316 Stainless Steel	A	B			B	D			B	A	B	B	B										B	A		C															B												
630 Stainless steel																										B																											
Carpenter 20®	A	A										B	B										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	C									B	A														
Nylon	A											D	D										D	D																													
Polyethylen(PE)					B				B														B	B		B																											
POM (Delrin®)	A	A										D	D	D									C	C																			A										
PCTFE (Kel-F®)												A	A										A	A																													
PEEK	A	A										A	A										A	A																				A									
PVDF			A									C											A							A																							
UHMWPE	A	A										C	A				A	C	C	C			A	A																													
TPE																										A																											
Poly Acrylate			D				D							D	D							D						D			D															A							
Poly Urethane			D				D							D	D													D			D																D						
NBR	A	A	C	D			D		A	D	D	D	A	D	D	D	B	D	D			D	C	C	A	A	A	A	D	D	A						B	D	A	D	D												
FPM (Viton®)	A	A	A	A			D		A		C	B	A	B	D	A	A	A	A			D	D	D			A	A	B	D	A						D	D	A	A													
Neoprene	B	A	B	B			D		A	D		D	B	D	D							B	D	D			A	B			D																A		D				
EPDM	A	A	C	A			B				A	B	B	D	D							A	B	A				A	A	D	A							A	A	A	B						D						
Kalrez®			A	A			B	A				A	A									A	A	A				A	B	A				A	A			B	A								A						
Grafoil®	A	A										D	C										A	A																								A					
Silicone			D	D			D							B	B							C								D	B	B	B															D			D		
Fluorosilicone														D	D							C								A	B	B	D																		D		



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

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

Fluid Name	Magnesium Acetate Solution																																										
	Magnesium Bisulfate	Magnesium Bisulfide	Magnesium Carbonate	Magnesium Chloride	Magnesium Hydroxide - cold	Magnesium Hydroxide	Magnesium Hydroxide (CH) <sub>2</sub>	Magnesium Salts	Magnesium Sulfate	Magnesium Sulfite	MALATHION	Magnesium sulphate(Epson Salts)	Magnesium sulphate	Magnesium Hydroxide Hot	Magnesium Nitrate	Maleic Acid																											
Formula			MgCO <sub>3</sub>	MgCl <sub>2</sub>		Mg(OH) <sub>2</sub>		MgSO <sub>4</sub>	MgSO <sub>3</sub> : 4HOH			MgSO <sub>4</sub> : 7H <sub>2</sub> O	Mg(OH) <sub>2</sub>	Mg(NO <sub>3</sub> ) <sub>2</sub> : 6H <sub>2</sub> O	(HCCOOH) <sub>2</sub>	COCO(CH <sub>2</sub> ) <sub>2</sub> O	HCCH(O)NHNHCO	COOHC <sub>2</sub> H <sub>2</sub> CH(OH)COOH	CaH <sub>5</sub> CHOHCOOH	Mn(C <sub>2</sub> H <sub>5</sub> O <sub>2</sub> ) <sub>2</sub>			MnCl <sub>2</sub> : 4H <sub>2</sub> O	MnCO <sub>3</sub>	MnCO <sub>3</sub>	MnO <sub>2</sub>	Mn(C <sub>2</sub> H <sub>5</sub> O <sub>2</sub> ) <sub>2</sub> : 2HOH	Mn(H <sub>2</sub> PO <sub>2</sub> ) <sub>2</sub> : HOH	Mn(C <sub>16</sub> H <sub>31</sub> O <sub>2</sub> ) <sub>2</sub>	Mn <sub>3</sub> (PO <sub>4</sub> H) <sub>2</sub> : 7HOH	MnSO <sub>4</sub> : 4HOH	CaH <sub>6</sub> (OH) <sub>6</sub>	HO(CH <sub>2</sub> ) <sub>2</sub> NH <sub>2</sub>										
Aluminum	B	C	B	D	D	D		B				B	D	B	B	B		B																						B			
Brass	B	D	B	B	B	B		B				B	D	B	B			B																							B		
Carbon Steel	B			C	B	B	B	B				C	B	B	B			D				C	C																				
Alloy 600				A				A							B			A																									
Alloy 400/450(Monel®)	B	B	B	B	A	B		B					A	B	B	B		B								A															B		
Alloy 20	A	B	A	B		A		A					A	A	B	B		B							B			A													A		
Alloy C 276 (Hastelloy®)			B	A		B		A					B	A	B	B		B																									
Titanium				A				A							A			A																									
Cast Iron	B	D	B	D		B		B					B		C	B		D																							D		
316 Stainless Steel	A	B	A	B	A	A	A	A				B	A	A	B	B		B								A																A	
630 Stainless steel				C		A		A					A																														
Carpenter 20®	A	B	A	B		A		A					A	A	B	B		B								B		A													A		
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A				A	A	A	A	A		A				A	A	A		A												A	A	A			
Nylon				C		D		A					D																														
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		
PVDF				A	A		A					A		A	A			A																									
UHMWPE				B	A		A						A	A	A																												
TPE				C		C																																					
Poly Acrylate	D					D						D																															
Poly Urethane	D			A		D																																					
NBR	D	B	B	B	A	A	B	A	A	A	B	A	B	B	D	D		A					C	A	A	A	A	B											B	D	B		
FPM (Viton®)	D	B	B	B	A	A	B	A	A	A	A	A	A	A	B	A	A		A					C	C	A	A	A												D	D	B	
Neoprene	D	B	B	B	A	A	B					A	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																							
Grafoil®		A	A	A	A		A						A	B	A	A		A									A														A		A
Silicone	D			A				A	A	A	D	A			D											A	A	D														B	
Fluorosilicone	D			A				A	A	A	B	A																														D	

Fluid Name	Mayonnaise	Meat Juices	Melamine	Melamine Resins	Mercaptans	Mercuric Chloride	Methanol	Mercaptobenzothiazole(MBT)	Mercuric Acetate	Mercuric Chloride	Mercuric Chloride (dilute)	Mercuric Cyanide	Mercuric Iodide	Mercuric Nitrate	Mercuric Sulfate	Mercurous Nitrate Hydrated	Mercurous Nitrate	Mercury	Mercury Fulminate	Mercury Vapor	Mesityl Oxide	Metaldelyde	Methacrylic Acid	Methanol Std./fluorocarbon not satisfactory	Mercury	Methane	Methanethiol	Methoxychlor	Methyl Abietate	Methyl Acetate	Methyl Acetoacetate	Methylacetophenone	Methyl Acrylate	Methylal	Methyl Alcohol(Methanol)	Methylallyl Chloride	Methane			
Formula								C <sub>6</sub> H <sub>4</sub> CHCH <sub>2</sub> CH <sub>2</sub> SC(SN)N	Hg(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>	HgCl <sub>2</sub>	Hg(CN) <sub>2</sub>	Hgl <sub>2</sub>	Hg(NO <sub>3</sub> ) <sub>2</sub>	HgSO <sub>4</sub>	HgNO <sub>3</sub> · 2HOH		Hg	Hg(CNO) <sub>2</sub>	Hg	(CH <sub>3</sub> ) <sub>2</sub> : CHCOOCH <sub>3</sub>	(CH <sub>3</sub> CHO) <sub>2</sub>	H <sub>2</sub> : C(CH <sub>3</sub> ) <sub>2</sub> : COOH		Hg	CH <sub>4</sub>	CH <sub>3</sub> SH	CL <sub>3</sub> DDH(C <sub>6</sub> H <sub>4</sub> OCH <sub>3</sub> ) <sub>2</sub>	C <sub>18</sub> H <sub>36</sub> COOCH <sub>3</sub>	CH <sub>3</sub> CO <sub>2</sub> CH <sub>3</sub>	CH <sub>3</sub> COCH <sub>2</sub> CH <sub>3</sub>	CH <sub>3</sub> C <sub>6</sub> COCH <sub>3</sub>	CH <sub>2</sub> : CHCOOCH <sub>3</sub>	CH <sub>3</sub> OCH <sub>2</sub> OCH <sub>3</sub>	CH <sub>3</sub> OH	CH <sub>2</sub> : C(CH <sub>3</sub> )CH <sub>2</sub> Cl	CH <sub>4</sub>				
Aluminum	D	B		B		B			D	D						D	D								D	A											A			
Brass	D	D				B			D	D						D	D									D	A											A		
Carbon Steel	D								D	D								A								A	B											B		
Alloy 600																		A									A													
Alloy 400/450(Monel®)	B					B			D	C						D	B										B													
Alloy 20	A	A		C		A			B	A							A	A									A													
Alloy C 276 (Hastelloy®)	A								B	C	B							B									A													
Titanium											A							D									A													
Cast Iron	D			D		B			D	D								A									B													
316 Stainless Steel	A			C		A			B	B							A	A								A	A												B	
630 Stainless steel																																								
Carpenter 20®	D	A		C		A			B	A							A	A									A													
PTFE/PFA (Teflon®)	A	A	A	A		A		A	A	A							A	A		A	D		B			A	B				D	D		D		A				
Nylon						C												A																						
Polyethylen(PE)																		B																						
POM (Delrin®)	A			A		A					A							A	A								A	A										B		
PCTFE (Kel-F®)						A																																		
PEEK	A	A		A		A					A							A	A									A												
PVDF						A							A					B						A														A		
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	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	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				
Formula	CH <sub>3</sub> CH							CH <sub>3</sub> Cl	CH <sub>3</sub> NH <sub>2</sub>	CH <sub>3</sub> COOCH(CH <sub>3</sub> )CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH(CH <sub>3</sub> )OH	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH(OH)CH <sub>3</sub>	H <sub>2</sub> NC <sub>6</sub> H <sub>4</sub> CO <sub>2</sub> CH <sub>3</sub>	C <sub>6</sub> H <sub>5</sub> COOCH <sub>3</sub>	C <sub>6</sub> H <sub>5</sub> CH(CH <sub>3</sub> )OH	CH <sub>3</sub> Br	(CH <sub>3</sub> ) <sub>2</sub> CSH(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	CH <sub>3</sub> COC <sub>4</sub> H <sub>9</sub>	CO(OCH <sub>3</sub> ) <sub>2</sub>																					
Aluminum	B		B	B	B			D	B																												A			
Brass	B		A	A	B			B	D																													A		
Carbon Steel	B	B	B	B	A	B		B	B																													A		
Alloy 600			A		A			B	A																													B		
Alloy 400/450(Monel®)			B	A	A			B	C																													A		
Alloy 20			A	A				A	A																													A		
Alloy C 276 (Hastelloy®)	A		A		A	A		B	B																													B		
Titanium			A	A	A				B																													A		
Cast Iron			B	A				B	B																													A		
316 Stainless Steel	B		A	A	B			A	A																													A		
630 Stainless steel																																								
Carpenter 20®			A	A				A	A																													A		
PTFE/PFA (Teflon®)	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	A			
Nylon			A	A				A																														A		
Polyethylen(PE)								B																																
POM (Delrin®)	B		B	B	A			A																													A			
PCTFE (Kel-F®)			A					C																														A		
PEEK			A	A				A																														A		
PVDF	C		A	C		A	B	D								A																					D	D		
UHMWPE	A		B			A	C	D																														D		
TPE	B					B																																		
Poly Acrylate			D	D				C	D																													D		
Poly Urethane			D	D				D																														D		
NBR	B	C	A	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	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		
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	
Grafoil®			A	A				A																															A	
Silicone			D	D				D							D		D	D																				A	D	
Fluorosilicone			D	D				A	D						A		A																					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						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																															
EPDM	D	A	D	B		C	C	B		A	D	B						B	B			C		D	D					D	D	D	D	D	D	D	D	D	
Kalrez®		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A								A	A	A	A	A	A	A	A	A	A
Grafoil®			A					A																															
Silicone	D	D	B	D		D	D	D		D								B						D	D					D	D	D	D	D	D	D	D	D	
Fluorosilicone	B	D	D	D		D	D	D		D	B							B						D	B					A	B	B	A	A	B	B	A	A	

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

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





Fluid Name	Nitric Acid Anhyd.	Nitric Acid Anhydrous	Nitrobenzene	p - Nitrobenzoic Acid	Nitrocellulose	Nitroethane	Nitrogen	Nitrogen Dioxide	Nitrogen Oxides	Nitro Methane	Nitrobenzene	Nitro dilution	Nitrogen Gas	Nitrogen Tetroxide	Nitrogen Tetroxide, Very limited exposure	Nitrogen Trifluoride	Nitroglycerin	Nitromethane	p - Nitrophenol	2 - Nitropropane	Nitrosyl Chloride	Nitrosylsulphuric Acid	p - Nitrotoluene	o - Nitrotoluene	Nitrous Acid	Nitrous Acid 10%	Nitrous Gases	Nitrous Oxide	NMP(n - Methyl2 - Pyrrolidone)	Nonane		
Formula			C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	C <sub>6</sub> H <sub>4</sub> (NO <sub>2</sub> )COOH		CH <sub>3</sub> CH <sub>2</sub> NO <sub>2</sub>	N <sub>2</sub>	NO <sub>2</sub>	Nox		C <sub>6</sub> H <sub>5</sub> - NO <sub>2</sub>			N <sub>2</sub> O <sub>4</sub>		NF <sub>3</sub>	CH <sub>2</sub> NO <sub>3</sub> CHNO <sub>3</sub> CH <sub>2</sub> NO <sub>3</sub>	CH <sub>3</sub> NO <sub>2</sub>	NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> OH	CH <sub>3</sub> CHNO <sub>2</sub> CH <sub>3</sub>	NOCl	HNO <sub>3</sub> S	NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>3</sub>	NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>3</sub>	HNO <sub>2</sub>			N <sub>2</sub> O	CH <sub>3</sub> NCH <sub>2</sub> CH <sub>2</sub> CO	CH <sub>2</sub> (CH <sub>2</sub> ) <sub>9</sub> CH <sub>3</sub>		
Aluminum	D	B	C				A				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	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									A	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				
Octachloro Toluene																																				
n - Octadecane	$C_{18}H_{38}$																																			
Octafluorocyclobutane	$C_4F_8$																																			
Octafluoropropane	$C_3F_8$																																			
Octanal	$CH_3(CH_2)_6CHO$																																			
n - Octane	$CH_3(CH_2)_6CH_3$																																			
n - Octyl Acetate	$CH_3COO(CH_2)_7CH_3$																																			
n - Octyl Alcohol	$CH_3(CH_2)_6CH_2OH$																																			
n - Octyl Chloride	$CH_3(CH_2)_6CH_2Cl$																																			
Oils&Fats		B																																		
Oils, Animal		A	A	A	A																															
Oils, Petroleum Refined		A	B	C	A																															
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																																				

Fluid Name	Oil, Palm	Oil, Paraffin Base(Petroleum)	Oil, Peanut	Oil, Petroleum(Crude)	Oil, Pine	Oil, Quenching	Oil, Rapeseed	Oil, Silicone	Oil, Soya Bean	Oil, Tall	Oil, Transformer	Oil, Vegetable types(Food Service)	Oil, Vegetable types(Not - Food Service)	Oil, and Freon 11&12&114	Oil, and Freon 22(Low Aniline Oil)	Oil, and Freon 22(High Aniline Oil)	Oil - Water emulsion	Olaic Acid	Olefin, Crude	Olefins	Oleic Acid	Oleum	Oleum (Fuming Sulfuric Acid)	Oleum 25%	Oleum Spirits	Oleyl Alcohol	Olive Oil	Orthochloro Ethyl Benzene	Oronite8200&8515	Orthodichlorobenzene	OS 45and OS - 45 - 1	Oxalic acid	Oxalic Acid	Oxygen, gaseous, low pressure	Oxygen, Gas (Hot)	Oxygen, Liquid	Ozonated Deionized Water		
Formula																					$CH_3(CH_2)_7CH : CH(CH_2)_7COOH$				$CH_3(CH_2)_7CH : CH(CH_2)_7CH_2OH$							$C_{10}H_{18}COOH$	$HOOC-COOH : HOH$		$O_2$	$O_2$	$O_3 : H_2O$		
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 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	A	D	D	A	A	A	B	C	D	B		A	D	D	D	D	C	C	B	D	D						
FPM (Viton®)	C	A	A	A	A	A	A	A	A	A	A	A	D	D	D	A	A	A	C	A	A	A		A	A	A	A	A	B	A	A	C	D	A					
Neoprene	D	D	D	D	D	D	A	A	A			D	D	A	A	A					D	D		D	B	A	D	A	B	A									
EPDM	D	D	D	D	D	D	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	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 <sub>2</sub>	O <sub>3</sub>						O <sub>3</sub>		
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	B D	D	A A	A A	D D	D D	D C	C C		
FPM (Viton®)	D	A	A B	A 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 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	Paraformaldehyde	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			$CH_3(CH_2)_{14}COOH$										$(C_2H_5O)_2P(S)OC_6H_4NO_2$							$CHCl_2CCl_3$	$C_6Cl_5OH$	$C(CH_2OH)_4$	$C(CH_2ONO_2)_4$	$C_2HF_5$	$CH_3(CH_2)_5CH_3$	$CH_3COOOH$	$HClO_4$			$Cl_2C : CCl_2$											
Aluminum	A	B				A	A	D	B																																
Brass	A	B				A	B	B	A																																
Carbon Steel	A	C	B	A	B	C	B																																		
Alloy 600		A							A																																
Alloy 400/450(Monel®)	A	B				A	A	B	B																																
Alloy 20	A	B				A	A	A	B	B																															
Alloy C 276 (Hastelloy®)						B			A									A									B		B	A											
Titanium									B																																
Cast Iron	A	C				B	C	B	B																																
316 Stainless Steel	A	B				A	B	A	B	B																															
630 Stainless steel																																									
Carpenter 20®	A	B				A	A	A	B	B																															
PTFE/PFA (Teflon®)	A	C	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	C	A	B	A	A	A	A	A	A	A		
Nylon		D				A	A	A																																	
Polyethylen(PE)																																									
POM (Delrin®)		A	B	C	B		A	A	B							A																									
PCTFE (Kel-F®)																																									
PEEK	A	A				A	A	A	A							A																									
PVDF		A				A			A			A																A													
UHMWPE						C	A											D									B			B										D	
TPE																																								C	
Poly Acrylate						A	A									A	A											D		B									D	A	
Poly Urethane		A				A	A									A	D											D	D	A									D	B	
NBR	D	D	B	A	C	A	B	B	B	D	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	D	B	C	B	A	A	A	D	A	A	A	A	A	A		
FPM (Viton®)	B	B	A	B	C	A	A	B		D	A	B	A	C	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A	A	
Neoprene	D	B				C	D	B	B						B	C	D											A	B	D									D	D	
EPDM	D	D	B	C	C	D	D	B	D	D	C	D	D	A											D	B	B	A	D	D	D	D	D	D	D	D	D	A	A		
Kalrez®		A	A			A			C	A	B	A	A	A			A				A	A	A	B	A	A	A		A	A	A	A	A	A	A	A					
Grafoil®	A	A				A	A	A	A							A																									
Silicone		D	D			B	D					D	A			A	A	D								D	D	D	D	D	D	D	D	D	D	D	D	B	D	D	
Fluorosilicone		B	A			A	A					D	A			A	A	A								C	A	A	B	B	A	B	A	B	A	B	A	B	A	B	A

Fluid Name	Petroleum Ether, Liquified (UL approved)	Phenol	Pentane	Pentane	Petroleum	Parez607	Perchloroethylene, dry	Petrolatum (Vaseline Petroleum Jelly)	propulsion fuel = JP - 4	Perchloroethylene	Petrol (pure)	Petroleum	Petroleum crude	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		$C_6H_5OH$	$C_5H_{12}$										$C_8H_9CH_2CH_2OH$	$C_6H_5OC_2H_5$	$HOC_6H_4SO_3H$	$C_6H_5CH_2CONH_2$	$C_6H_5OOCCH_3$		$C_6H_5(NH_2)_2$	$C_6H_5NHNH_2$	$C_6H_5HgOOCCH_3$					$(CH_3)_2CCHCOCH(CH_3)_2$	$COCl_2$	$PH_3$				$H_3PO_4$	$H_3PO_4/HNO_3/CH_3COOH$	$POCl_3$	$PBr_3$	$PCl_3$	$P$				
Aluminum	B	A	A	B			B	B					A																												
Brass	B	B	A	B			C	B					D																												
Carbon Steel	D	B	B	B	D		B	C	A	A	A	A	B																												
Alloy 600	B	B																																							
Alloy 400/450 (Monel®)	A	B					B	A																																	
Alloy 20	A	A					A	A																																	
Alloy C 276 (Hastelloy®)	A						B																		B																
Titanium	A	A																																							
Cast Iron	D	B					B	C																																	
316 Stainless Steel	A	B	A	A	D		A	B					A																												
630 Stainless steel	B																																								
Carpenter 20®	A	A					A	A																																	
PTFE/PFA (Teflon®)	A	A	A	A	A		A	A	A	A	A	A	A	D					C		D	A		A			D			A		A					A				
Nylon	D						A																																		
Polyethylen (PE)																																									
POM (Delrin®)	C	A	B	A			B	A	A	C	A	B	B																												
PCTFE (Kel-F®)	A																																								
PEEK	A	A					A	A																														D			
PVDF	A				A																							C		A						C		A			
UHMWPE	D						A																		B																
TPE																																									
Poly Acrylate	B	D																								D	D											C			
Poly Urethane	A	D																								D	D											D			
NBR	A	D	A	B	B		D	A	B	C	B	B	B	D					D		D	D		D	D	D	D										D				
FPM (Viton®)	A	B	A	A	A		A	A	B	C	A	A	A	D	A				A	D	D	A		A	D	A	D											A			
Neoprene	D	D	B				D	B																		D	A												B		
EPDM	A	D	D	D	D		D	D	B	C	A	A	D	D					D		D	D				A	A	A											A		
Kalrez®		A	A				C						A	A	A	A	A	A	A	A	A	A	A				A	A	A	A									A		
Grafoil®		A	A				A	A																																	
Silicone	D	D												D					D		D	D				D	A	D											C	B	D
Fluorosilicone	A	B												D					B		D					D	A	D													A

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



Fluid Name	Polyulfide Liquor	Polyvinyl Acetate	Poly Glycols	Polyvinyl Chloride	Potassium Molten	Potassium Acetate	Potassium Bicarbonate	Potassium Bicarbonate	Potassium Bifluoride	Potassium Bichromate	Potassium Bisulfate	Potassium Bisulfite	Potassium Bitartrate	Potassium Bromide	Potassium Carbonate	Potassium Chlorate	Potassium Chloride	Potassium Chloride	Potassium Chromate	Potassium Citrate	Potassium Copper Cyanide	Potassium Cyanate	Potassium Cyanide sols	Potassium Cyanide	Potassium Dichromate	Potassium Ferricyanide	Potassium Fluoride	Potassium Gluocyanate	Potassium Hydroxide	Potassium sulphate	Potassium phosphate	Potassium phosphate	Potassium phosphate	Potassium permanganate	Potassium dichromate	Potassium ferrocyanide	Potassium Hydroxide Dilute Cold	
Formula					K	KC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>	KHCO <sub>3</sub>	KHF <sub>2</sub>	KHSO <sub>4</sub>	KHSO <sub>3</sub>	KHC <sub>4</sub> H <sub>4</sub> O <sub>6</sub>	KBr	K <sub>2</sub> CO <sub>3</sub>	KClO <sub>3</sub>	KClO <sub>4</sub>	KCl	K <sub>2</sub> CrO <sub>4</sub>	K <sub>3</sub> C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> : HOH	C <sub>2</sub> CuN <sub>2</sub> : K	KOCN	KCN	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	K <sub>3</sub> Fe(CN) <sub>6</sub>	KF	K <sub>2</sub> H <sub>11</sub> O <sub>7</sub>	KOH	K <sub>2</sub> SO <sub>4</sub>								K <sub>4</sub> Fe(CN) <sub>6</sub> : 3H <sub>2</sub> 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	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	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	A	B
EPDM	B	A	A	B			A	A		B		B	B	B	A	A	B	A					A	A	B		A	A							B			
Kalrez®		A	A	A			A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	A	A								A	A	A
Grafoil®	A	A	A				A	A	A	A		A	A	C	A									A													A	A
Silicone		A					D	A					A	A	A								A	A			C											
Fluorosilicone		A					D	A					A	A	A								A	A			C											

Fluid Name	Potassium Hydroxide Dilute Hot	Potassium Hydroxide To 70% Cold	Potassium Hydroxide To 70% Hot	Potassium Iodide	Potassium Iodate	Potassium Nitrate	Potassium Nitrite	Potassium Oxalate	Potassium Perchlorate	Potassium Perfluoroacetate	Potassium Permanganate	Potassium Peroxide	Potassium Persulfate	Potassium Phosphate	Potassium Phosphate DI - basic	Potassium Pyrosulfate	Potassium Phosphate Tri - basic	Potassium Silicate	Potassium Sodium Tartrate	Potassium Stannate	Potassium Stearate	Potassium Sulfate	Potassium Sulfide	Power Steering Fluid	Potassium Sulfite	Potassium Tartrate	Potassium Thiocyanate	Potassium Thiosulfate	PRESTONE Antifreeze	PRL - High Temp. Hydraulic Oil	Prestone	Producer Gas	Propane	Propionaldehyde	n - Propyl Acetate	n - Propyl Acetone	n - Propyl Alcohol		
Formula				KOH	KI	KIO <sub>3</sub>	KNO <sub>3</sub>	KNO <sub>2</sub>	K <sub>2</sub> C <sub>2</sub> O <sub>4</sub> · H <sub>2</sub> O	KClO <sub>4</sub>	KMnO <sub>4</sub>	K <sub>2</sub> O <sub>2</sub>	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	K <sub>3</sub> PO <sub>4</sub>	K <sub>2</sub> HPO <sub>4</sub>	K <sub>2</sub> S <sub>2</sub> O <sub>7</sub>	SiO <sub>2</sub> · K <sub>2</sub> O	KNaC <sub>4</sub> H <sub>4</sub> O <sub>6</sub> · 4HOH	K <sub>2</sub> SnO <sub>3</sub> · 3HOH	C <sub>17</sub> H <sub>35</sub> COOK	K <sub>2</sub> SO <sub>4</sub>	K <sub>2</sub> S		K <sub>2</sub> SO <sub>3</sub> · 2HOH	K <sub>2</sub> C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> · 1/2HOH	KCNS	K <sub>2</sub> S <sub>2</sub> O <sub>3</sub>						C <sub>3</sub> H <sub>8</sub>	C <sub>2</sub> H <sub>5</sub> CHO	C <sub>3</sub> H <sub>7</sub> OOCCH <sub>3</sub>	CH <sub>3</sub> COOC <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH		
Aluminum	D	D	D	D		A		C			B			D	B																								
Brass	D	D	D	D		B					B			C	B																								
Carbon Steel	B	B	A	C		B					B				A	A																							
Alloy 600																																							
Alloy 400/450(Monel®)	A	A	A	C		B					B			B	B	B																							
Alloy 20	B	B	B	B		B		A			B			B	A	B																							
Alloy C 276 (Hastelloy®)						B					B			B	B																								
Titanium																																							
Cast Iron	B	B	B	C		B					B			C	A	A																							
316 Stainless Steel	B	B	B	B		B		A			B			B	A	B																							
630 Stainless steel	C	C	D	B		B					B																												
Carpenter 20®	B	B	B	B		B		A			B			B	A	B																							
PTFE/PFA (Teflon®)	A	A	A	A		A		A			A			A	A	A																							
Nylon				B																																			
Polyethylen(PE)																																							
POM (Delrin®)	D	D	D	A		A		A			A			A	A																								
PCTFE (Kel-F®)	A	A	A								A																												
PEEK	A	A	A	A		A		A			A			A	A	A																							
PVDF								A			A																												
UHMWPE	A	A	A			B					A																												
TPE						B					D																												
Poly Acrylate																																							
Poly Urethane																																							
NBR	B	B	C	A		A					B	A		A	A	A	B	A																					
FPM (Viton®)		D		A		A					D	A		A																									
Neoprene	B	B	B	A		A					B	A		A	A	B	A																						
EPDM		B	A	B		A					A	B		A	B	B	A																						
Kalrez®	A	A	A	A	A	A	A	A			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®	A	A	A	A		B		A						A	A	A																							
Silicone						A								A																									
Fluorosilicone						A					D			A																									



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



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

Fluid Name	Salad Oil	Salad dressings	Salt	Salt Brine	Sauerkraut Arine	Sea Water	Saccharin Solution	Sal Ammoniac	Salicylic Acid	Salt Water	SANTOSAFE300	Sebacid Acid	Selenic Acid	Selenious Acid	Sewage	SHELL TELLUS 27 (Petro Base)	SHELL UMF (5%Aromatic)	Shellac	Silane	Silicate Esters	Silicone Tetrachloride	Silicone Tetrafluoride	Silicone	Silver nitrate	Silicone Fluids	Silver Bromide	Silver Chloride	Silver Cyanide	Silicate Esters	Silver Oxide	Silver Sulfate	Silver Salts	Silver Nitrate 10%	Silver Plating Sol	Skydrol 500B	Skydrol (7000and500)	SKYDROL 500				
Formula			NaCl						CaH <sub>4</sub> (OH)(COOH)			COOH(CH <sub>2</sub> ) <sub>n</sub> COOH	H <sub>2</sub> SeO <sub>3</sub>						SiH <sub>4</sub>		SiCl <sub>4</sub>	SiF <sub>4</sub>		AgNO <sub>3</sub>		AgBr	AgCl	AgCN		Ag <sub>2</sub> O	AgSO <sub>4</sub>										
Aluminum			B	B	C				C						C			A							D	B	D	D	D							B					
Brass	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		
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		
Poly Urethane			D		D		A								D										A			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		
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		
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									D	C	
Fluorosilicone			A		A		A		A	A					A	A	A							A	A				A											D	C

Fluid Name	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								
Formula											Na <sub>2</sub> CO <sub>3</sub>	Na	C <sub>19</sub> H <sub>39</sub> COONa	NaC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> : 3H <sub>2</sub> O	CH <sub>3</sub> COONa	NaAlO <sub>2</sub>	NaSbO <sub>3</sub>	Na <sub>3</sub> AsO <sub>4</sub> : 12H <sub>2</sub> O	NaAsO <sub>2</sub>	C <sub>6</sub> H <sub>5</sub> COONa						Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> : 10H <sub>2</sub> O	Na <sub>2</sub> CO <sub>3</sub>	NaClO <sub>3</sub>	NaF	NaOH												Na NO <sub>3</sub>						
Aluminum							C								B	C	D																											A				
Brass							A								B	B	B																												B			
Carbon Steel							A	B							C	B	C					A	A	C																				B				
Alloy 600															A		B																															
Alloy 400/450(Monel®)							A								B		B																															
Alloy 20							A								B		B																															
Alloy C 276 (Hastelloy®)							A								B		B												A	B	A	B	C	A	B	A					A	B						
Titanium															A		A																															
Cast Iron							B								C		C																															
316 Stainless Steel							A								B	B	A																												B			
630 Stainless steel																																																
Carpenter 20®							A								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	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		A																															
PVDF							A								A														A																			
UHMWPE							D								A											A	A	A	A	B	B	A	D	D	D	B	A					A			A			
TPE							A																					C	B	B																		
Poly Acrylate							D	D							D												D	D	D																			
Poly Urethane							D	D							D												D	A	A																			
NBR	D	A					A	A	A	A	A				B	B	A							A	C	A	A	B	A	A	A	A	A	A	B	A	A	D	D	B			A	A	B			
FPM (Viton®)	A	A					A	A	A	B	A	A			D	D	A							A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A			A	A	A		
Neoprene							A	B							B		A										A	A	A																			
EPDM	A	D	A				A	A	A	D					A	A	B									A	A	A																			A	
Kalrez®	A	A					A	A							A		A																															
Grafoil®							A								A		A																															
Silicone	C	D					A	A	A						A																																	
Fluorosilicone	C	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	Sodium Metasilicate Cold	
Formula	NaCl	NaClO <sub>2</sub>	ClCH <sub>2</sub> COONa	Na <sub>2</sub> CrO <sub>4</sub> : 10HOH	CaH <sub>5</sub> O <sub>7</sub> Na <sub>3</sub> : 2HOH	NaOCN	NaCN			CH <sub>3</sub> COONa : x(CCH <sub>3</sub> COOH)	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> : 2HOH	C <sub>2</sub> H <sub>5</sub> ONa	Na <sub>3</sub> Fe(CN) <sub>6</sub> : 10HOH	Na <sub>4</sub> Fe(CN) <sub>6</sub> : 10HOH	NaF	Na <sub>2</sub> SiF <sub>6</sub>	COOH(CH <sub>2</sub> ) <sub>2</sub> CH(NH <sub>2</sub> )COONa	NaH	NaSHH : 2HOH	NaOH						NaOCl : sH <sub>2</sub> O	NaH <sub>2</sub> PO <sub>2</sub> : HOH			NaI	C <sub>2</sub> H <sub>5</sub> OHCOONa	(NaPO <sub>3</sub> ) <sub>n</sub>	CH <sub>3</sub> ONa		Na <sub>2</sub> SiO <sub>3</sub>			
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	A	
Nylon								B						C						B	C	C	C	C	C			B								A		
Polyethylen(PE)						B		B						B						B																		
POM (Delrin®)			A	A		A	A	A					A	A							D	D	D	D	D	D		D	A		B		A		A			
PCTFE (Kel-F®)								A													A	A	A	A	A	A												
PEEK			A	A		A	A	A					A	A							A	A	A	A	A	A		A	A		A	A		A	A	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						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 <sub>3</sub>	C <sub>17</sub> H <sub>35</sub> COONa	Na <sub>2</sub> SiO <sub>3</sub> : 2NaOH	Na <sub>2</sub> C <sub>2</sub> O <sub>4</sub>	NaNO <sub>2</sub>	NaBO <sub>3</sub>	Na <sub>2</sub> CO <sub>3</sub> : 1-1/2HOH	NaClO <sub>4</sub> H <sub>2</sub> O	Na <sub>2</sub> O <sub>2</sub>	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	C <sub>6</sub> H <sub>5</sub> ONa	Na <sub>2</sub> HPO <sub>4</sub>	Na <sub>2</sub> HPO <sub>4</sub>	Na <sub>2</sub> PbO <sub>2</sub>	Na <sub>2</sub> P <sub>2</sub> O <sub>7</sub>	HOC <sub>6</sub> H <sub>4</sub> COONa	Na <sub>2</sub> Si <sub>2</sub> O <sub>7</sub>	Na <sub>2</sub> SiO <sub>3</sub> : 9H <sub>2</sub> O	Na <sub>2</sub> Sn(OH) <sub>6</sub>	NaOCC <sub>17</sub> H <sub>35</sub>	Na <sub>2</sub> SO <sub>4</sub> : 10HOH	Na <sub>2</sub> SO <sub>4</sub>	Na <sub>2</sub> S : 9HOH	Na <sub>2</sub> SO <sub>3</sub>	Na <sub>2</sub> C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> : 2HOH	Na <sub>2</sub> S <sub>4</sub>	NaSCN	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : 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	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	A	B				
FPM (Viton®)		A			B	A			A				A	A	A				A			A			A	A	A	A	A	A	A	A				
Neoprene		B			D	B			B				B	A	B		B		A			B			A	A	A	A			B	A				
EPDM		A			A	A			A				A	A	A				A			A			B	A	B	A	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	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	A		
Fluorosilicone						A			A																A	A	A	A					A	A	A	A

Fluid Name	Sodium Trichloroacetate	Sodium Tripolyphosphate	SOLVASOL 1,2&3	Sorbitol	Sour Crude Oil	Sour Natural Gas	Soybean Oil	SR6 FUEL	Spirit	Standard Clean 1 (sc-1)	Standard Clean 2 (sc-2)	Stannic Chloride	Stannous Bromide	Stannous Chloride	Stannous Fluoride	Stannous Sulfate	STAUFFER 7700	Soy Bean Oil	Sperm Oil	Steam and Hot Water to Continuous 400°	Starch	Stream, max +180 °C	Steam(212°F)	Steam <149 °C/300°F	Steam >149 °C/300°F	Stearic Acid	Stoddard Solvent	Strontium Acetate	Strontium Carbonate	Strontium Chloride	Strontium Hydroxide	Strontium Nitrate	Strontium Monomer	Styrene	Sugar Liquide	Succinaldehyde	Succinic Acid					
Formula	CCl <sub>3</sub> COONa	Na <sub>3</sub> P <sub>3</sub> O <sub>10</sub>	C <sub>6</sub> H <sub>14</sub> (OH) <sub>6</sub>							NaOH : H <sub>2</sub> O <sub>2</sub>	HCl : H <sub>2</sub> O <sub>2</sub>	SnCl <sub>4</sub>	SnBr <sub>2</sub>	SnCl <sub>2</sub>	SnF <sub>2</sub>	SnSO <sub>4</sub>								H <sub>2</sub> O	H <sub>2</sub> O	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH	Sr(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> : 1/2HOH	SrCO <sub>3</sub>	SrCl : 6H <sub>2</sub> O	Sr(OH) <sub>2</sub> : 8H <sub>2</sub> O	Sr(NO <sub>3</sub> ) <sub>2</sub> : 4H <sub>2</sub> O	C <sub>6</sub> H <sub>5</sub> CH : CH <sub>2</sub>		OHCC <sub>2</sub> H <sub>2</sub> CHO	CO <sub>2</sub> H(CH <sub>2</sub> ) <sub>2</sub> CO <sub>2</sub> H							
Aluminum							B					D											B	B		D									A	A						
Brass							B					D												B	A		C									A	A					
Carbon Steel							C	A				D												C	A	A		C								A	B					
Alloy 600												D																B								B						
Alloy 400/450(Monel®)							A					C												A	B		B									B	A					
Alloy 20							A																	A	A			B								A	A					
Alloy C 276 (Hastelloy®)												B	B											A			B	A								A	A					
Titanium												B															A	B								A						
Cast Iron							C																	C	A		C									B	B					
316 Stainless Steel							A					D												B	A		B									A	A					
630 Stainless steel																										A																
Carpenter 20®							A																	A	A		B									A	A					
PTFE/PFA (Teflon®)	A	D					A	A	A			A	A					C					A	A	A	B	C	A	B						D	A	A					
Nylon																												A									A	A				
Polyethylen(PE)																																										
POM (Delrin®)							B	C				A												A	C	D		A									A	A				
PCTFE (Kel-F®)																																										
PEEK							A																	A	A			A										A	A			
PVDF																												A										C		A		
UHMWPE							A					A	B											B	A		B	C									A					
TPE													C															C									D					
Poly Acrylate																												D	A									D	D			
Poly Urethane																												D	A									D	D			
NBR	D	A	C	C	A	B	C					A	A					B	A	A	D	A	C	D	D	D	B	A								D	D	A				
FPM (Viton®)	B	A	A	A	A	A	C					A	A					A	A	A	D	A	C	C	B	D	A	A								A	B	A				
Neoprene							C					D												C	C	D	A	D										D	B			
EPDM	A	D	D	D	C	D	C					A	A					D	C	D	A	C	A	B	A	D	B	D									D	D	B			
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		
Grafoil®							A																	A	A		A											A	A			
Silicone							D	D	A	D		D	B	B												C	D	B	D										D	D	A	
Fluorosilicone							D	D	A	A		D	A	A												D	D	A												C	C	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	$C_{12}H_{22}O_{11}$	$HOSO_2NH_2$	$H_2NC_6H_4SO_3H : HOH$		$(CH_2)_4SO_2$	S	$S_2Cl_2$	$SO_2$	$SF_6$	$SF_4$	$SO_3$							S	$SCl_2$	$SO_2$				$SO_3$				$H_2SO_4$														
Aluminum													B	C	D	B	A	D	A	D	A	B	A	D	D	D	B	A	D					A	C	A	A					
Brass													B	C	C	C	D	D	C	D	D	B	C	C	C	C	D	D	B					B	D	B	D					
Carbon Steel											B			B	B	C	B	D	B	D	B	B	D	D	B	D	C	D					B				C					
Alloy 600															B	D	A		B	B	B	B	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					A	A						C	A	D	D	C	A	A		A	D	A	D			
PCTFE (Kel-F®)																																										
PEEK												A		A	A	A																						A	A	A	A	
PVDF																																										
UHMWPE												A	A																										A	A	B	
TPE																																										
Poly Acrylate																																										
Poly Urethane																																										
NBR	A			B	B	D	D	B		D	A		B	C	C	C	D	D	D	D				C		B	C	C	D	C	D	D	D	D	D	D	D	B	D			
FPM (Viton®)	A			A	B	A	A	C		A	C		A	C	C	C					A	A	A				A	A	A	B	A	A	A	D	D	D	D	A	B			
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				A	A	A																										
Grafoil®													A		A	A	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	Sulphite Pulp	Sulfuric Acid 0 to 77%	Sulfuric Acid 100%	SUNOCO SAE 10	SUPERSHELL Gasoline	SWANFINCH EP Lubricant
Formula						H <sub>2</sub> SO <sub>4</sub>						H <sub>2</sub> SO <sub>4</sub>						
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	Terpinyol 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				$C_{76}H_{52}O_{46}$									$HOOC(CH_2OH)_2COOH$	$(C_2H_5)_4SiO_4$	$C_6H_4(COOH)_2$	$C_{10}H_{17}OOCCH_3$			$Ti(OC_4H_9)_4$		$(CH_2Cl)_2$	$Cl_2C : CCl_2$	$Pb(C_2H_5)_4$	$CF_3CH_2F$	$CF_4$	$CH_2CH_2CH_2CH_2O$	$C_{10}H_{12}$	$(CH_3)_4NOH$				$HSCl_2COOH$			$SOCl_2$						
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		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	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													B																		
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	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	A		A	D	A		A	A	A	A		A	A	A	B				
Neoprene		C	D	B	B	C	C		B			D	B										D	D	B																
EPDM		D	D	A	A	D	D	B				B	A	C	D	A	D	D	D	D	D	D	D		A	C	D		D	D	D	D		A	A	C					
Kalrez®	A		A	A								A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®			A	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	B	B			D	A		A	A	B				B	B				

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





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 <sub>6</sub>	H <sub>2</sub> WO <sub>4</sub>	C <sub>10</sub> H <sub>16</sub>	(CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8</sub> O)(CH <sub>2</sub> ) <sub>2</sub> O) <sub>3</sub> PO	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> N	C <sub>2</sub> H <sub>5</sub> O(COOC <sub>4</sub> H <sub>9</sub> ) <sub>3</sub>						
Aluminum										D	B	B		
Brass											B	B		
Carbon Steel											B	B	A	A
Alloy 600												A		
Alloy 400/450(Monel®)											C	B		
Alloy 20										B	A	B		
Alloy C 276 (Hastelloy®)										A	A	A		
Titanium												A		
Cast Iron											B	B		
316 Stainless Steel										B	A	B		
630 Stainless steel												A		
Carpenter 20®										B	A	B		
PTFE/PFA (Teflon®)	A			A	A					A	A	A	A	A
Nylon												A		
Polyethylen(PE)														
POM (Delrin®)										A	A	A	B	A
PCTFE (Kel-F®)														
PEEK										A	A	A		
PVDF					A									A
UHMWPE										A	D			
TPE										A				
Poly Acrylate										D	A	B		
Poly Urethane										D	A	B		
NBR	A			B	A	D				A	A	C	C	A
FPM (Viton®)	A			A	A	A				B	A	A	A	A
Neoprene										A	B	D		
EPDM	D			D	D	A				B	D	D	C	
Kalrez®	A	A	A	A	A	A	A	A						
Grafoil®										A	A	A		
Silicone	D			D	D					A	D	D		
Fluorosilicone	B			B	B	B				A	A	A		

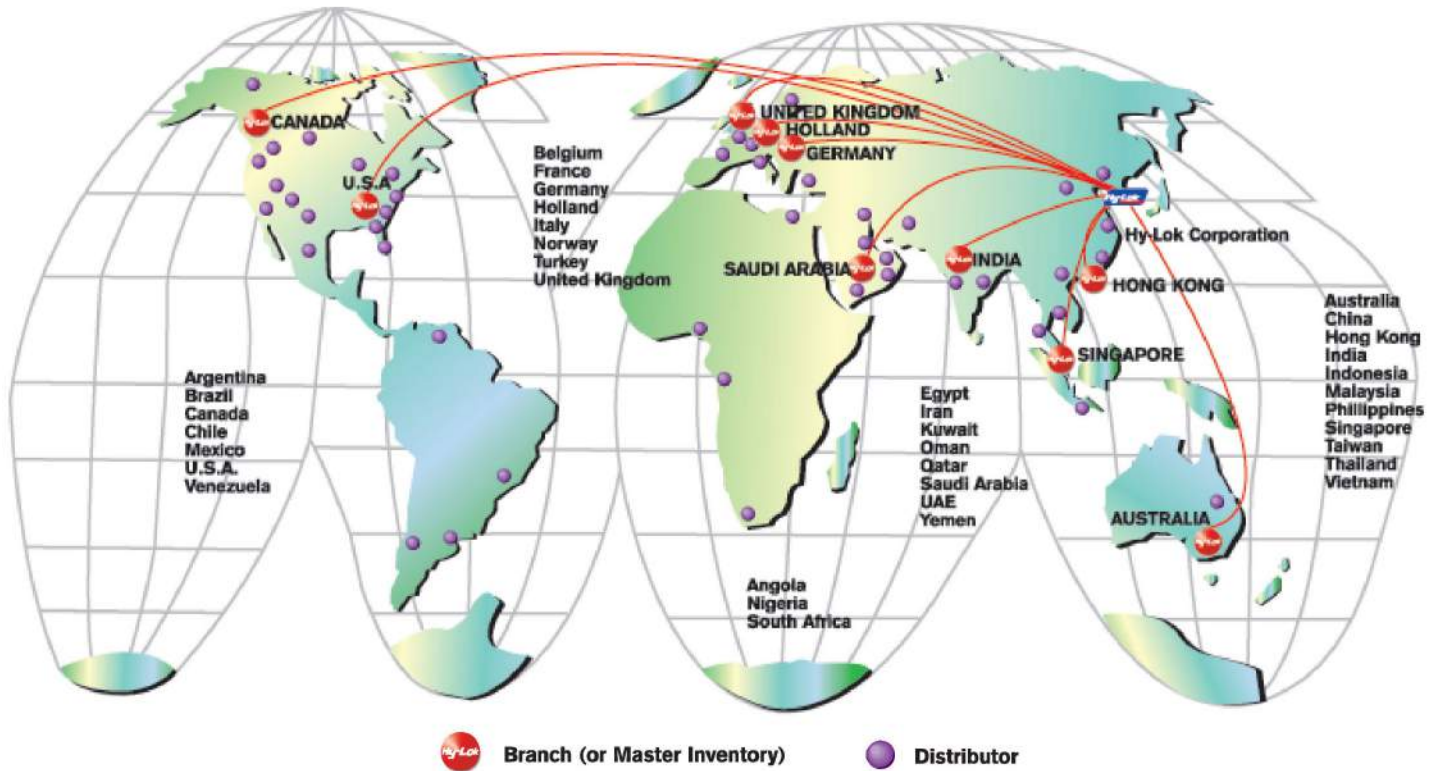


Fluid Name	Water, Distilled	Water, Boiler Feed	Water, acid mine	Water, distilled	Water, Fresh	Water, Salt	Whiskey	Water Acid Mine	Water, +80 °C	Water, +180 °C	Water	Waxes	Water to 275°F	Water to 180°F	Water Detergent Solution to 180°F	Water, Sea, to 180°F	Water, Soap Solution to 180°F	Water, with Soluble Oil, to 180°F	Whiskey and Alcoholic	Wine	WAGNER 21B Brake Fluid	WEMCO C	Whiskey&Wines	White Pine Oil	Wolmar Salts	White liquor (pule mill)	
Formula											H <sub>2</sub> 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															C		A		
TPE					A	A																					
Poly Acrylate													D	D	D	D	D	D	D	D	D						
Poly Urethane													D	D	D	D	D	D	D	D	D						
NBR	C		A	A	A	A	A	B	A	C	B	A	D	B	B	B	B	B	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	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	A	
Fluorosilicone												A	A	A	A	A	A	B	A	A	D	A	A	A	A	A	

Fluid Name	Formula						Zeaolites	Zinc Acetate	Zinc Ammonium Chloride	Zinc Bromide	Zinc Chloride	Zinc Chromate	Zinc Cyanide	Zinc Diethyldithiocarbamate	Zinc Fluorosilicate	Zinc Hydrosulfite	Zinc Naphthenate	Zinc Nitrate	Zinc Oxide	Zinc Phenolsulfonate	Zinc Phosphate	Zinc Salts	Zinc Stearate	Zinc Sulfate	Zinc Sulfide	Zinc Sulphate
	Xe	C <sub>8</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>	(CH <sub>3</sub> ) <sub>2</sub> CaH <sub>3</sub> NH <sub>2</sub>	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			A	C	A	B											A	A	A	A	A	
Nylon																										
Polyethylen(PE)																										
POM (Delrin®)																										
PCTFE (Kel-F®)																										
PEEK																										
PVDF																										
UHMWPE																										
TPE																										
Poly Acrylate																										
Poly Urethane																										
NBR	A	D	C	D	D	D			B	B	B										A	A	A	A	A	
FPM (Viton®)	A	B	D	A	A	B			A	D	B	A									A	A	A	A	A	
Neoprene																										
EPDM	A	D	D	D	D	D			A	A	B	A									A	A	A	A	A	
Kalrez®	A	A	A	A	A	A			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®																										
Silicone	A	D	D	D	D				D		B										A	A	A	A	A	
Fluorosilicone	A	A	D	A	D				A	D	B										A	A	A	A	A	



# INVENTORY NETWORK



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