

Hy-Lok

Fluid Compatibility Guide

FLOWTEKNIK
SCANDINAVIA APS

Fluid Compatibility Guide

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

Summary of Compatibility

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

Annotation

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

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

Summary of Abbreviation

Plastic

PTFE - Poly Tetra Fluoroethylene
PFA - Per Fluoro Alcoxypolymer
POM - Poly Oxy Methylene
PCTFE - Poly Chloro Tri Fluoroethylene
PEEK - Poly Ether Ether Ketone
PVDF - Poly Vinyli Dene Fluoride
UHMWPE - Ultra High Molecular Weight Poly Ethylene
TPE - Thermo Plastic Elastomer

Elastomer

NBR - Nitrile Butadeien Rubbers .
FPM(\liton@) - Fluorocarbon Rubbers
EPDM - Ethylene Propylene Diene Rubbers .
FFKM (Kalrez@) - Perfluoro Rubbers.

Reference

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

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Fluid Name	Abietic Acid	Acetaldehyde	Acetamide	Acetamine	Acetanilide	Acetate Solvents	Acetic Acid	Acetic Acid, 20%	Acetic Acid, 30%	Acetic Acid, 80%	Acetic Acid, aerated	Acetic Acid, Air Free	Acetic Acid, crude	Acetic Acid, glacial	Acetic Acid, pure	Acetic Acid, 10%	Acetic Acid, 80%	Acetic Acid Vapors	Acetic Acid, concentration 50%	Acetic Acid, concentration 80%	Acetic Anhydride	Acetoacetic Acid	Acetone	Acetone Cyanohydrin	Acetonitrile	Acetophenetidin	Acetophenone	Other Ketones	Acetylacetone	Acetyl - o - Toluidine	Acetyl Bromide	Acetyl Chloride	Acetylen	Acetylen Gas	Acetylen Gas with Water or Liquid Hydrocarbon	Acetylen Tetrabromide	Acid Fumes
Formula	$C_{19}H_{29}COOH$	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_2CHOOH	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			$(CHBr_2)_2$	
Aluminum		B		B		A	B				B	B	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				
Titanium							A																A									A				
Cast Iron		C		B		B					D	D	C		D	C	C				D		A					A			D	A				D
316 Stainless Steel		A		B		A	A				A	A	A	D	A	A	A	D			B		A					A			C	A				B
630 Stainless steel												A	A	A	A	A	A	D			B		A					A				A				
Carpenter 20®		A										A	A		A	A	A	B			B		A					A				A				B
PTFE/PFA (Teflon®)		A	B	A		A	A	A		A	A	A	A	A	A	A	A	A	A	A	A		A		A		D	A	D			A	A			A
Nylon		B					D				B	B	B	B	B	B	B				B		B								A					A
Polyethylen(PE)							C																C													
POM (Delrin®)		A				D	D				D	D	D	D	B	D		C	C	C	A		A					D			A	B				D
PCTFE (Kel-F®)							A				A	A	A	A	A	A		A			A											A				
PEEK		A		A		A	A				A	A	A	A	A	A	A	A			A		A					A			A	A				A
PVDF		D	A				A														D		A		C		A		D		A					
UHMWPE		D	A			A	A	A		D				D	A	C		C			D		B								D	D				
TPE							A	A													B		B									A				
Poly Acrylate		D				D	D							D				D			D		D													
Poly Urethane		D				D	D							D				D			D		D									A	A	D		
NBR		D	A	A		D	D	B	B	C	C	C	D	C	D	D	D	D	C	C	D		D		C		D	D	D			D	B	A	A	D	C
FPM (Viton®)		D	C			D	D	B	C	B	C	D	D	D	D	D	D	D			D		D		A		D	D	D			A	A	A	A	A	
Neoprene		C		B		D	C				C	C	D	D	D	C	D	C			C		D					D			D	B	B	B	B	B
EPDM		B	A			A	B		A					B		B	C	A	A		B		A		A		A	D	A			D	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	
Grafoil®		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	
Fluorosilicone		D	A			D	B		B					D				C			D		D				D		D			A				B	

Fluid Name	Aconitic Acid	Acridine	Acrolein	Acrylic Acid	Acrylonite	Acrylonitrile	Adipic Acid	Aero Lubriplate	Aero Shell 17 Grease	Aero Shell 1AC Grease	Aero Shell 750	Aero Shell 7A Grease	AEROSAFE 2300	AEROSAFE 2300W	Aerozene 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	Aldehyde Acetaldehyde	Alkanesulphonic Acid, Mixed	Alkazene	Alkyl Benzene	Alkytate, Light	Alkyl Arylsulphonic Acie	Allyl, Ketone	Allyl, Chloride
Formula	$H(COOH)C:C(COOH)CH_2(COOH)$	$C_{13}H_9N$	CH_2CHCHO	$CH_2:CHCOOH$		C_3H_3N	$COOH(CH_2)_3COOH$																							RSO_3H							H_2CCHCH_2Cl
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	A	C	B	B	A	A	A	A	A	A	A	A	A	A^2	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																								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	A	D	D	D
Poly Urethane			D			D										C		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	D	A	A	B	A	A	D	A		C	B	A	C	B	A	D		B	A	A	D	D	B
Neoprene			C		D	D										A	A	C		B	C	B	B		A	B	A	B	B	C			D	D	C	C	A
EPDM			A	C	D	D	B	D	D	D	D	D	A	A	A	A		A		C	B	A			A	A	A	A	A	A		D	D	D	A	A	A
Kalrez®	A	A	A	A		A	A	A	A	A	A	A	A	A	B	A															A	A					A
Grafoil®					A											B		A		A	A	A	A			A	A		A								
Silicone				D		D	B	B	B	D	B	C	C	D	A	A		D							A	A	A	B		A	D		D	D	D	B	D
Fluorosilicone				D		A	A	A	A	B	A	C	C	D	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 Sodium Sulfate	Alum (Aluminum Sulfate)	Alums	Aluminum oxide, max. +100℃	Aluminum Sulphate, Solution	AMBREX 33	AMBREX 830	Amines	Aminoanthraquinone	p - Aminoazobenzene	p - Aminobenzoic Acid (PABA)	2 - (2Aminoethoxy)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	$Al_2(SiF_6)_3$	$AlOH_3$	$Al(NO_3)_3:9H_2O$	$Al_2C_2O_{12}$	$AlPO_4$	$AlK(SO_4)_2:12HOH$		$AlNa(SO_4)_2:12HOH$	$Al_2(SO_4)$		Al_2O_3	$Al_2(SO_4)_3$			$C_6H_4(CO)_2C_6H_3NH_2$	$C_6H_5NNC_6H_4NH_2$	$NH_2C_6H_4CO_2H$	$NH_2CH_2CH_2OCH_2CH_2OH$	$C_6H_4NH_2OH$	$C_5N_4NNH_2$	$NH_2C_6H_3(OH)COOH$	NH_3		NH_3	NH_3
Aluminum	A		C			D		B	C		C		B	D	B		D			C					B							C			
Brass	A		D			D		B			D		A	D			D			C					B							D			
Carbon Steel						D		C			D		D							D		A			B							A			
Alloy 600						D														D					B										
Alloy 400/450(Monel®)	C		C			B		B	B		B		B	C	B		C			C					B							A			
Alloy 20			B					D	B				B	B	A		B			B					B										
Alloy C 276 (Hastelloy®)	A		B			A	A	B	A		B		B	B	A		A			A	B				B									A	
Titanium											B		A							A					A										
Cast Iron			D					D			D		D	D			D			D					C										
316 Stainless Steel	A		A			D		C	D		C		A	C			B			B					A							A			
630 Stainless steel			B						C				B				C			A					A										
Carpenter 20®			B					D	B				B	B	A		B			B					A										
PTFE/PFA (Teflon®)	A		A	A		A	A	A	A		A		A	A	A	A	A	A		A	A	B		A	A	A		A			C		A	D	A	A
Nylon	A					B					B		B	B	D		A			B															
Polyethylen(PE)						B					B									B																
POM (Delrin®)	D		C			C		D			D		D	C	C		D			D		B			D										
PCTFE (Kel-F®)	A																A																			
PEEK	A		A			A		A	A		A		A	A	A		D			A					A										
PVDF			A		A	A						A	A	A				A					A									A				
UHMWPE	A		A			B	B		A		A		A	A			A			A	A				C							A			C	A
TPE						C														B^1	D				A^1										
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		D		B	D	A	C
FPM (Viton®)			D	A		A	A	A	A		A		A	A		A	B	A		A	A		A	A	A	D			B		D		D	D	D	D
Neoprene	A	A	B			B		A	A		A		A	A			A			A			A		D										
EPDM	A	A	A	A		A		A			A		A	A		A	A	A		A			A	D	C	B			B		B		B	B		
Kalrez®			A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A		D		
Grafoil®	A		A					A	A		A		A	B	A		A			A						A										
Silicone		A	A		B				B	B			B		A		A		A	D			A	B	B	C						D		A		
Fluorosilicone		D	A		A				A	A			A				A		A	C			A	A	D	D						D		D		

Fluid Name	Ammonia, Alum	Ammonia, Anhydrous	Ammonia, Anhydrous (- 40 ~+ 140 °F)	Ammonia, Anhydrous (- 65 ~+ 240 °F)	Ammonia, Anhydrous Liquid	Ammonia, Aqueous	Ammonia Gas Cold	Ammonia Gas hot	Ammonia Liquor	Ammonia Solutions	Ammonia, gaseous NHaand liquid NH_4OH, max. +100℃	Ammonium Acetate	Ammonium Arsenate	Ammonium Benzoate	Ammonium Bicarbonate	Ammonium Bifluoride	Ammonium Bromide	Ammonium Bromide 5%	Ammonium Carbamate	Ammonium Carbonate	Ammonium Chloride	Ammonium Chloride, max. +20℃	Ammonium Citrate, Dibasic	Ammonium Dichromate	Ammonium Fluoride	Ammonium Fluorosilicate	Ammonium Formate	Ammonium Hydroxide	Ammonium Hydroxide 28%	Ammonium Hydroxide Concentrated	Ammonium Iodide	Ammonium Molybdate	Ammonium Monosulfate	Ammonium Monophosphate	Ammonium Nitrate	Ammonium Oxalate	Ammonium Oxalate 5%
Formula	NH_3	NH_3	NH_3	NH_3	NH_3	NH_3	NH_3	NH_3	NH_3	NH_3	NH_3	$NH_4(C_2H_3O_2)$	$(NH_4)_2HAsO_4$	$C_6H_5COONH_4$	NH_4HCO_3	NH_4HF_2	NH_4Br	NH_4Br	$NH_4CO_2NH_2$	$(NH_4)_2CO_3 : H_2O$	NH_4Cl	NH_4Cl	$(NH_4)_2HC_6H_5O_7$	$(NH_4)_2Cr_2O_7$	NH_4F	$(NH_4)_2SiF_6$	$HCOONH_4$	NH_4OH	NH_4OH	NH_4OH	NH_4I	$(NH_4)_2Mo_4$			NH_4NO_3	$(NH_4)_2C_2O_4 : H_2O$	$(NH_4)_2C_2O_4 : H_2O$
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					B	D							D	D	D				D	D		
Carbon Steel		A			A	A				B	A				C					B	D	C						B	C	C				D	D		
Alloy 600		A													D					B	B							A									
Alloy 400/450(Monel®)		A			B	B		B		B		B			B			B		B	B							D	D	C			B	B	D		B
Alloy 20	A	A			A	A		A	A	A		A			B			B		B	B								A	A			B		B		A
Alloy C 276 (Hastelloy®)	A	B			A	B		B	B	B		B				B				B	B							B	B	B			B		B		
Titanium															A						A							A							C		
Cast Iron					B	A		B		B		B			B					B	D								C	C					D		
316 Stainless Steel	A	A			A	A		A	A	A		B			B			B		B	C							A	B	B			A	B	A		A
630 Stainless steel					A																C								A	A					A		
Carpenter 20®	A				A	A		A	A	A		A			B			B		B	B								A	A			B		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
Nylon	B	B				B				D		B			B					C	B							C	A	A			A	A	B		
Polyethylen(PE)		B													A						B							B						A	B		
POM (Delrin®)		D			D	A		A	D	C	C	D			D			D		D	A	B						D	C	A			A	B	A		A
PCTFE (Kel-F®)												A																A						A			
PEEK	A	A			A	A		A	A	A		A			A			A		A	A							A	A	A			A	A	A		A
PVDF												A			A					A	A		A	A	A			D				A		A	A		
UHMWPE		B				A		A	C	A		A			A	A		A		B	A							A	A					A	A		
TPE		D																			A1							C						B1		
Poly Acrylate			D	D		D																						D							B		
Poly Urethane			D	D		D																						D									
NBR	B	B	A	C	B	B	A	D	C	B	C	B			B					D	B	B						D	B	C					A		
FPM (Viton®)		D	D	D	D	A	D	D		D		D			A	A				B	A							B	A	A				A	A		
Neoprene	B	B	A	A	A	B		B		B		B			A					A	A							A	A	A				A	A		
EPDM			A	A	B	A	A	B	A	B	C	A			A					A	A	C						A	B	A					A		
Kalrez®					A	A	A	A	A			A	A	A	A	A	A		A	A	A		A	A	A	A	A		A	A	A	A				A	A	A
Grafoil®	A				A	A		A	A	A		A			A			A		A	A								A	A					B		
Silicone			B	C		C	A	B																				D		A					B		
Fluorosilicone			D	D		D	D	D																				D		A							

Fluid Name	Ammonium Perchlorate	Ammonium Persulfate	Ammonium Phosphate Di - basic	Ammonium Phosphate	Ammonium Phosphate Tri - basic	Ammonium Phosphite	Ammonium Picrate	Ammonium Polysulfide	Ammonium Salts	Ammonium Sulfamate	Ammonium Sulfate	Ammonium Sulfide	Ammonium Sulfite	Ammonium Thiocyanate	Ammonium Thioglycollate	Ammonium Thiosulfate	Ammonium Tungstate	Ammonium Valerate	Amyl Acetate	Amyl Alcohol	Amyl Borate	Amyl Chloride	Amyl Chloronaphthalene	tert - Amyl Methyl Ether (TAME)	Amyl Naphthalene	Amyl Nitrate	Amyl Nitrite	Amyl Propionate	Amylcinnamic Aldehyde	o - sec - Amylphenol	AN - 0 - 3 Grade M	AN - 0 - 6	AN - 0 - 366	Anderol (Diester)	ANG - 25 (Diester Base)	ANG - 25 (Glyceral Ester)	Anderol L - 774 (MIL - L 7808 Type)
Formula	NH_4ClO_4	$(NH_4)_2S_2O_8$	$(NH_4)_2HOP_4$	$(NH_4)_2HOP_4$	$(NH_4)_2HOP_4$	$(NH_4)_2HPO_3 : H_2O$	$C_6H_2(NO_2)_3ONH_4$	$(NH_4)_2S$	$NH_4OSO_2NH_2$	$(NH_4)_2SO_4$	$(NH_4)_2S$	$(NH_4)_2SO_3 : H_2O$	$(NH_4)_2SO_3 : H_2O$	NH_4SCN	$HSCH_2COONH_4$	$(NH_4)_2S_2O_3$	$(NH_4)_6W_7O_{24} : 6H_2O$	$C_5H_{13}NO_2$	$CH_3COOC_5H_{11}$	$C_5H_{11}OH$	$CH_3(CH_2)_3CH_2Cl$			$C_5H_{11}NO_3$	$(CH_3)_2CHCH_2CH_2NO_2$	$CH_3CH_2COOC_5H_{11}$	$C_6H_5CH : C(CHO)C_5H_{11}$	$C_5H_{11}C_6H_4OH$								
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																C
UHMWPE		A	A	D	C						A	C							C	B		D														
TPE				B[1]							B[1]								C[1]	A[1]																
Poly Acrylate											D								D			D														A
Poly Urethane																			D																	D
NBR		D	A	A	A				A		A	A	B						D	B	A	D	D		D						A	A	A	B	B	B	A
FPM (Viton®)		B	A	A	A				C		A	D	A						D	D	A	A	A		A						A	A	A	A	A	A	A
Neoprene		C	A	A	A						A	A	A						D			D														D
EPDM		A	A	A	A				A		A	A	B						B	A	D	D	D		D						D	D	D	D	D	A	D
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
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	Aniline	Aniline Dyes	Aniline Hydrochloride	Aniline Oils	Animal Fats (Lard)	Anisole	Anisoyl Chloride	Ansul Ether 161 or 181	Anthracene Oil	Anthranilic Acid	Anthraquinone	Antimony Pentachloride	Antimony Pentafluoride	Antimony Salts	Antimony Sulfate	Antimony Tribromide	Antimony Trichloride	Antimony Trifluoride	Antimony Trioxide	AN - VV - 0 - 366B Hydraulic	Apple Juice	Aqua Regia (Strong Acid)	Arachidic Acid	Argon Gas	Argon, max. +100°C	Argon, max. +200°C	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	Aromatic Fuels (Up to 50% Aromatic)	Aromatic Hydrocarbons (100% Aromatic)	Aromatic Solvents	Arsenic Acid	Arsenic Pentafluoride	Arsenic Trichloride	Arsenic Trioxide	Arsenic Trisulfide
Formula	$C_6H_5NH_2$		$C_6H_5NH_2 : HCl$			$C_6H_5OCH_3$	$CH_3OC_6H_4COCl$		$C_6H_4(CH)_2C_6H_4$	$C_6H_4(NH_2)(CO_2H)$	$C_6H_4(CO)_2C_6H_4$	$SbCl_5$	SbF_5	$Sb_2(SO_4)_3$	$SbBr_3$	$SbCl_3$	SbF_3	Sb_2O_3			$HNO_3 : HCl(1 : 3)$	$CH_3(CH_2)_{18}COOH$	Ar										$H_3AsO_4 : 1/2H_2O$	AsF_5	$AsCl_3$	As_2O_3	As_2S_3
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	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	D		A	A	C	C	D	A	B	D	D	A		A		
FPM (Viton®)	C	B	B	C	A			D						A			A		A	A	D		A			A	A	A	A	A		A		D		
Neoprene	D	B	D											A						A	D		A			D		D	D	D	A				
EPDM	B	B	C	B	B			C	C					A					A	D	B	D	A			C	B	B	D	D	D	A		D		
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	B		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		A				

Fluid Name	Arsine	Ascorbic Acid	Askarel Transformer Oil	Aspartic Acid	Asphalt	Aspirin	Asphalt Emulsion	Asphalt Liquid	Asphaltic Bitumen, +220°C	ASTM Oil No. 1	ASTM Oil No. 2	ASTM Oil No. 3	ASTM Oil No. 4	ASTM Oil No. 5	ASTM Reference Fuel A	ASTM Reference Fuel B	ASTM Reference Fuel C	ASTM Reference Fuel D	AUREX 903R	Automotive Transmission Fluid	ATE brake fluid	AXAREL 9100	Automotive Gasoline	Aviation Gasoline	Azobenzene
Formula	AsH_3	$C_6H_8O_6$		$COOHCH_2CH(NH_2)COOH$		$CH_3COOC_6H_4COOH$									$(CH_3)_3CHCH_2C(CH_3)_2$	$(CH_3)_3CHCH_2C(CH_3)_2 : C_6H_5CH_3(7:3)$	$(CH_3)_3CHCH_2C(CH_3)_2 : C_6H_5CH_3(1:1)$								$C_6H_5N_2C_6H_5$
Aluminum					A		C	C																A	
Brass					B		A	A																A	
Carbon Steel					A		B	B	A												A			A	
Alloy 600																									
Alloy 400/450(Monel®)					A		A	A																	
Alloy 20							A	A																	
Alloy C 276 (Hastelloy®)							A	A																	
Titanium																									
Cast Iron							B	B																	
316 Stainless Steel					A		A	A																A	
630 Stainless steel																									
Carpenter 20®							A	A																	
PTFE/PFA (Teflon®)			A		A				A	A	B	C	B	A	C	D	D	D	A	A	A			A	
Nylon					A																				
Polyethylen(PE)																									
POM (Delrin®)					A				C												A			C	
PCTFE (Kel-F®)																									
PEEK																									
PVDF																									
UHMWPE					A																				
TPE					B1																				
Poly Acrylate							B													A			B		
Poly Urethane							B																B		
NBR			B		B		D	C	C	A	A	A	B	A	A	A	B	B	A	A	C		A	D	
FPM (Viton®)			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	A		D	D	
Kalrez®	A	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A	A	A	A			A
Grafoil®							A	A																	
Silicone			D		D		D			A	D	C	D		D	D	D		D	D	C		D		
Fluorosilicone			B		B		B			A	A	A	B		A	A	B		D		D		A		

Fluid Name	BAROOL B	Barium Carbonate	Barium Chlorate	Barium Chloride	Barium Cyanide	Barium Hydrate	Barium Hydroxide	Barium Iodide	Barium Nitrate	Barium Oxide	Barium Peroxide	Barium Salts	Barium Sulfate	Barium Sulfide	BAYOL 35	BAYOL D	Beer	Beer, wort	Beet Juice - Pulp	Beet Sugar Liquors	Benzaldehyde	Benzamide	Benzanthrone	Benzene	Benzene Hexachloride (BHC)	Benzene Sulfonic Acid	Benzidine	Benzil	Benzilic Acid	Benzine (Gasoline)	Benzoic Acid	Benzoin	Benzonitrile	Benzophenone	Benzotrichloride	Benzotrifluoride	Benzoyl Chloride
Formula		$BaCO_3$	$Ba(ClO_3)_2 : HOH$	$BaCl_2 : 2H_2O$	$Ba(CN)_2$		$Ba(OH)_2 : 8H_2O$	$BaI_2 : 2H_2O$	$Ba(NO_3)_2$	BaO	$BaO_2 : 8HOH$		$BaSO_4$	BaS							C_6H_5CHO	$C_6H_5CONH_2$	$C_{17}H_{10}O$	C_6H_6		$C_6H_5SO_3H$	$NH_2(C_6H_4)_2NH_2$	$C_6H_5CO : COC_6H_5$	$(C_6H_5)_2C(OH)COOH$		C_6H_5COOH	$C_6H_5CHOHCOC_6H_5$	C_6H_5CN	$(C_6H_5)_2CO$	$C_6H_5CCl_3$	$C_6H_5F_3$	C_6H_5COCl
Aluminum		D		D	D	D	D		B				D	D			A			A	A			B							B						
Brass		B		B	C	D	D		D				C	D			B			C	A			B							B						
Carbon Steel		B		C			C		B				C	C			D			B	A			B							D						
Alloy 600				A			B		B				B											A													
Alloy 400/450(Monel®)		B		B	D	B	B		C				B	C			A			A	B			A							B						
Alloy 20		B		C	B	A	A		B				A	B			A			A	A			A							B						
Alloy C 276 (Hastelloy®)		B		B	A		B						B								B			B		B					A						
Titanium		A		B			A							A										A													
Cast Iron		B		C	C		B						C	D			D			B	C			B							D						
316 Stainless Steel		B		B	B	A	B		A				A	B			A			A	A			B							B						
630 Stainless steel				B			A										A							B							A						
Carpenter 20®		B		C	B	A	A		A				A	B			A			A	A			A							B						
PTFE/PFA (Teflon®)	B	A		A	A	A	A		A			A	A	A	A	A	A			A	A			A		A					A			A	C		B
Nylon				C			B		B					B			B			B	A			A							D						
Polyethylen(PE)		A		B			B		B				B	B																							
POM (Delrin®)		A		A	A	A	A		A				A	A			A			A	A			C							A						
PCTFE (Kel-F®)																					A			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							A						
UHMWPE		B		A	B		B		B				B	B			A				D					A					A						
TPE				B[1]			B[1]						D								B			C		B					D						
Poly Acrylate				D			D		D					D			D	D	D	D	D			D						B	D						
Poly Urethane				A			D		A					A			B	B	D	D	D			D						B	D						
NBR	D	B		A	C		A		A			A	A	A	A	A	A	A	A	A	D			D		D				A	D			D	D		D
FPM (Viton®)	A	A		A	B		A		A			A	A	A	A	A	A	A	A	A	D			B		A				A	A			A	A		B
Neoprene		A		A	B		A		B				A	A			A	A	B	B	D			D						D	D						
EPDM	D	A	A	A	B		A		A			A	B	A	D	D	A	A	A	A	A			D		D				D	D			B	A		D
Kalrez®	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
Grafoil®		A		A	A	A	A		B				A	A			A			A	A			A							A						
Silicone	D			A			A					A	A	A	D	D	A	A	A	A	D			D		D				D	D						
Fluorosilicone	B			A			A		A			A	A	A	A	A	A	A	A	A	D			A		B				A	B			A			B

Fluid Name	Benzoyl Peroxide	Benzol	Benzyl Acetate	Benzyl Alcohol	Benzylamine	Benzyl Benzoate	Benzyl Bromide	Benzyl Chloride	p - Benzylphenol	Benzyl Salicylate	Beryllium Chloride	Beryllium Fluoride	Beryllium Oxide	Berryllium 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	$(C_6H_5CO_2)_2O_2$		$C_6H_5CH_2OOCCH_3$	$C_6H_5CH_2OH$	$C_6H_5CH_2NH_2$	$C_6H_5CH_2OOCC_6H_5$	$C_6H_5CH_2Br$	$C_6H_5CH_2Cl$	$C_6H_5CH_2C_6H_4OH$	$CH_4(6H_4OH)COOCH_2C_6H_5$	$BeCl_2$	BeF_2	BeO	$BeSO_4 : 4H_2O$	$Bi(NO_3)_3 : 5H_2O$		$BiOCl$	$(BiO)_2CO_3$						$Ca(OCl)_2 : H_2O$						BH_3	$Na_2B_4O_7 : 10H_2O$				H_3BO_3	B_2O_3	$C_{10}H_{17}OH$	$C_{10}H_{17}OOCH_3$
Aluminum														B					D						B				C	D		C	B			
Brass														B					B					B	B				D	B		A	C			
Carbon Steel																			B										C	A		C	D			
Alloy 600																																	B			
Alloy 400/450(Monel®)														B										D	B			A			A	B			
Alloy 20														A										B	A					A	A	B			
Alloy C 276 (Hastelloy®)		B																						A				A			B	A			
Titanium																																	A			
Cast Iron														B											D			C			C	D			
316 Stainless Steel														B					A					C	A			A		A	B	B			
630 Stainless steel																									A											
Carpenter 20®														A										B	A					A	A	B			
PTFE/PFA (Teflon®)		A		B		C		B						A					A	B	A	A	A	A	A		A		A	A	A	A	A			
Nylon																								D				D					D			
Polyethylen(PE)																												B								
POM (Delrin®)														A					C					D	A			A		A	A	A			
PCTFE (Kel-F®)																								A												
PEEK														A										A	A			A		A	A	A			
PVDF	C			C	C									A														A				A				
UHMWPE		C																						A				A				A				
TPE		C																														A^1				
Poly Acrylate								D							D						D		D	D		D		D		D		D				
Poly Urethane								D							A						D		D	D		D		D		D		A				
NBR		D		D	D		D	D						B	D				D	B	A	D	D	D	B	B	A	B	B	B		A				
FPM (Viton®)		A		A		A		A						B	A				C	B	A	A	A	B	B	B	A	A		A	A	A				
Neoprene								D						B	A					B		D		B	B	C		D	A	B	C	A				
EPDM				B		B		D						B	A				C	B	A	D	A	B	B	A	B	A		A	A	A				
Kalrez®	A		A	A	A	A	A	A	A	A	A	A	A	A		A	A	A	A	C	A	A	A					A	A		A		A	A	A	A
Grafoil®														A										A	A			A			A	A				
Silicone				B				D						A	A						C	A	B	B		C		B			B		A				
Fluorosilicone				B		A		A							A						C	B	B	B		B		B			B		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	$C_{10}H_{17}OOCH$		BPO_4	BBr_3	BCl_3	BF_3	B_2O_3				NaCl : H_2O							$HbrO_3$	Br_2		BrF_5	BrF_3	Br	C_6H_5Br	$BrCH_2Cl$	$Br(CH_2)_3Cl$	$CF_3CHBrCl$	$CHBr_3$	$BrFC : CF_2$	$CBrF_3$			$NH_4 : HF(10 : 1)$			C_4H_6	C_4H_{10}
Aluminum										C					C				D	C	D												A	B			B
Brass										B					B					B														B	C			A
Carbon Steel										C					D				D	D												A		B	B			B
Alloy 600															A					D	D																
Alloy 400/450(Monel®)										B					B					A	B													A	C			B
Alloy 20															B					B													A	A			A
Alloy C 276 (Hastelloy®)															A				A	D	D													B			A
Titanium															A					D	D																
Cast Iron										B					C					D														B	B			B
316 Stainless Steel										B					B				D	D	D													A	A			A
630 Stainless steel										A																											
Carpenter 20®															B					B														A	A			A
PTFE/PFA (Teflon®)		A						B	C	A	A				A				A	A	A	D	D	A	D	C		A			A		A	D	B	A
Nylon															C					D																	A
Polyethylen(PE)																				B	D																
POM (Delrin®)										B					A					D												C		A	A			A
PCTFE (Kel-F®)																				A																	
PEEK										A					A					C														A	A			A
PVDF																		A		A	A														A			A
UHMWPE															A				D	D														D	D			C
TPE																			D																		
Poly Acrylate										D		D	D	A		D	D		D															B	D			A
Poly Urethane										D		B	B	A		B	B		D															B	D			A
NBR		B						B	B	C	A	A	A	A	A	A	A		D	D	D	D	D	D	D	D		D			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	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			A	C		D	D	D	D
Kalrez®	A	A	A	A	A	A	A	A	A		A				A			A	A	A		B	B	A	A	A	A	A	A	A	B		A	A		A	A
Grafoil®										A					A					B														A	A			A
Silicone		D						D	D	D	A	A	A	A		A	A		D			D	D	D	D	D		D			D			D		D	D
Fluorosilicone		B						B	D	D	A	A	A	A		A	A		B			D	D	B	A	B		B			B			A	A	A	A

Fluid Name	Butter	Buttermilk	Butyl Acetate	n - Butyl Acetate	Butyl Acetyl Ricinoleate	n - Butyl Acetate	Butyl Acohol	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 Methracrylate	Butyl Oleate	p - tert - Butylphenol	Butyl Stearate	Butyraldehyde	Butyric Acid	Butyric Anhydride	Butyl Phthalate	Butyric Fat	Butyrolactone	Butyroyl Chloride	Bycloheхane
Formula				$CH_3COO(CH_2)_4$	$C_{24}H_{44}O_4$	$CH_2:CHCOOC_4H_9$		$CH_3(CH_2)_2CH_2OH$	$CH_3CH_2CHOHCH_3$	$(CH_3)_3COH$	$C_4H_9NH_2$	$C_6H_5COOC_4H_9$	$C_4H_9OOCC_6H_4COOC_7H_7$	$CH_3(CH_2)_2COOC_4H_9$	$C_4H_9O(CH_2)_2O(CH_2)_2OH$	$(CH_3)_3CC_6H_3(ON)_2$	$HO(CH_2)_2OC_4H_9$	$C_4H_9C(CH_2)_2OOCCH_3$	C_4H_9Cl		$C_4H_9OC_4H_9$	$CH_3CHOHCOOC_4H_9$	$C_{11}H_{23}COOC_4H_9$		$H_2C:C(CH_3)COOC_4H_9$	$CH_3(CH_2)_7CH:CH(CH_2)_7COOC_4H_9$	$(CH_3)_3CC_6H_4OH$	$C_{17}H_{35}COOC_4H_9$	$CH_3(CH_2)_2CHO$	$CH_3(CH_2)_2COOH$	$(CH_3CH_2CH_2CO)_2O$				$O(CH_2)_3CO$	C_3H_7COCl	C_6H_{12}
Aluminum		A	B																	A									B						A
Brass		D	B																	A									D						A
Carbon Steel		D																		A									D			C			A
Alloy 600																													C						
Alloy 400/450(Monel®)		D	B																	A									B						
Alloy 20	A	A	A																	A									B						
Alloy C 276 (Hastelloy®)			B																										A						
Titanium																													A						
Cast Iron		D	B																	A									D						
316 Stainless Steel	A	A	B																	A									B						A
630 Stainless steel																																			
Carpenter 20®	A	A	A																	A									B						
PTFE/PFA (Teflon®)	A	A	A	D	A	D		A		A	B				B	A	C	B		A				A		A		A	D	A		A			A
Nylon		A																		A									D						
Polyethylen(PE)		A																											B						
POM (Delrin®)	A	A	B																	A									A			A			D
PCTFE (Kel-F®)			B																																
PEEK	A	A	A																	A									A						
PVDF	A	A	D			B				C																	A		A				D		
UHMWPE	A	B	D																	B									D						
TPE			B																										B^1						
Poly Acrylate		D	D				D								D		D			A									D		D				
Poly Urethane		A	D				D										D			B									D		D				
NBR	A	A	D	D	B	D	A	A		B	C	D		D	D	D	C	D		B	C			D		D		B	D	D		D	A			C
FPM (Viton®)	A	A	D	D	A	D	A	A		A	D	A		A	C	A	D	B		A	D			A		A		A	D	B		D	B			A
Neoprene	B	A	D				B								C		C			C									C		D				
EPDM	A	B	B	B	A	D	A	B		B	D	A		A	A	B	B	B		D	C			D		B		D	B	B		A	C			C
Kalrez®			A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	A			A	A	
Grafoil®	A	A	A																	A									A						
Silicone		A	D	D			B	B		B	D				D			B		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		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	Calcine Liquors	Calcium Acetate	Calcium Arsenate	Calcium Bisulfide	Calcium Bisulfite	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 Hydrosulfide	Calcium Hydroxide	Calcium Hypochlorite	Calcium Hypophosphite	Calcium Nitrate	Calcium Oxalate	Calcium Oxide	Calcium Permanganate	Calcium Peroxide
Formula		$CdCl_2$			$Cd(CN)_2$	$Cd(NO_3)_2$	CaO	$CdSO_4$		$CdSO_4$			$Ca(C_2H_3O_2)_2H_2O$	$Cas(AsO_4)_2$			$CaBr_2 : 6H_2O$	CaC_2	$CaCO_3$	$Ca(ClO_3)_2 : 2H_2O$	$CaCl_2$	$CaCrO_4$	$CaCN_2$	$Ca(CN)_2$	CaF_2	$Ca(C_6H_{11}O_7)_2$	CaH_2	$Ca(HSO_3)_2$	$Ca(HS)_2$	$Ca(OH)_2$	$Ca(OCl)_2$	$Ca(H_2PO_2)_2$	$Ca(NO_3)_2 : 4H_2O$	$CaC_2O_4 : H_2O$	CaO	$Ca(MnO_4)_2 : 4H_2O$	CaO_2
Aluminum																D			C	B	C									D	D		B				
Brass																C			C	D	B									C	D						
Carbon Steel			C	C					A		A					D			D		C									C	C						
Alloy 600																D			B		A									B	D						
Alloy 400/450(Monel®)																D			B	B	A									B	C						
Alloy 20																B			B	B	B									B			B				
Alloy C 276 (Hastelloy®)															A	A			B		A									A	B						
Titanium																A			A		A									A	A						
Cast Iron																D			D	C	C									C							
316 Stainless Steel																A			A	B	B									B	C		B		A		
630 Stainless steel																					B																
Carpenter 20®																B			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				
Nylon																			A		D									B							
Polyethylen(PE)																			A																		
POM (Delrin®)			B	C					A		A					D			A	D	A									A	A		C		A		
PCTFE (Kel-F®)																					A																
PEEK																A			A	A	A									A			A				
PVDF		A							A				A		A		A		A	B	A				A			A		C	C		A				
UHMWPE															B				B	A	B									A	A		A				
TPE															B^1						A^1									B^1	C^1						
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		
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									A	B		A				
EPDM	A				A						A	A	A	A	A	A			A	B	A			A				D		A	A		A		A		
Kalrez®		A			A	A	A	A		A		A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
Grafoil®																A			A	B	A									A			B				
Silicone	A												D		C	C			A		A			A				A		A	B		B				
Fluorosilicone	A											A	D		C	C			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	$CaSO_3 : 2HOH$	$Ca(SCN)_2 : 3HOH$		$CaWO_4$		$C_{10}H_{16}$		$C_{10}H_{16}O$	$C_6H_{14}(COOH)_2$		$CH_3(CH_2)_8COOH$	$CH_3(CH_2)_6COOH$		$(CH_2)_5NHCO$		$(C_6H_4)_2NH$		C_6H_5OH			CO_2	CO_2		CO_2	CO_2	CO_2	CS_2	CF_4
Aluminum	D			D			B									C		A									A	B	A	A	A	A					
Brass	C			C			C									C		B									D	B	B	C	A	A					
Carbon Steel							C							B					A								D	D	B	B	A	A					
Alloy 600							D																				B				A						
Alloy 400/450(Monel®)							B									C		B									B	C	B	B	A	A					
Alloy 20	B			B			B							A		C		A									A	B	A	B	A	A					
Alloy C 276 (Hastelloy®)							B																				A				A	A				B	
Titanium							A																				A			A	A						
Cast Iron	C			C			C									C		B									D	B	A	B		B					
316 Stainless Steel	B			B			B							A		B		A									B	B	A	B	A	A					
630 Stainless steel							B																				B	B	B			A					
Carpenter 20®	B			B			B							A		C		A									A	B	A	B		A					
PTFE/PFA (Teflon®)	A		A	A			A	A	A		A			A		A		A	A				B				A	A	A	A	A	A	A			A	
Nylon							B																				B				B						
Polyethylen(PE)																															B						
POM (Delrin®)	B			A			A							A		A		A	A								D	A	A	A	D	A					
PCTFE (Kel-F®)																																					
PEEK	A			A			A							A		A		A									A	A	A	A		A					
PVDF	A		A				A	B	A																						A						
UHMWPE	A						B									D													A	D	A	A				C	
TPE																														C[1]	A	A[1]					
Poly Acrylate	A												D	A													D			D				D			
Poly Urethane	A												D	A				D									C			D	B			A	A		
NBR	A		A	A			A	A	A		B		A	A		A		A	C				A	C		B	D	B	A	D	B	A	A	A	A	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
Grafoil®	A			A			A							A		A		A									A	A	A	A		A					
Silicone	A		B					B	A		A		A	B				A				B				B	D			D		B		B	D	D	
Fluorosilicone	A		A					A	A		A		A	A				A				D		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	Cellosolve	Cellosolve Acetate	Celluguard	Cellulose Acetate	Cellulose / Pulp Wood	China Wood Oil (Tung)	Cellolube (Phosphate Esters)	Cellolube A60	Cellolube 220	Cellutherm 2505A	Cement, Portland	Ceric Sulfate	Cerous Chloride	Cerous Fluoride	Cerous Nitrate	Cetane (Hexadecane)	Cetyl Alcohol	Chaulmoogric Acid	Chloral	Chloramine	Chlordane	Chlorextol
Formula	H_2CO_3	CO_2	CBr_4	CCl_4					H_2SO_5				$Ca(OH)_2$	KOH	NaOH		$CH_3COO(CH_2)_2OC_2H_5$								C_4AF, C_3A, C_3S, C_2S	$Ce(SO_4)_2 : 4H_2O$	$CeCl_3$	CeF_3	$Ce(NO_3)_3$	$C_{16}H_{34}$	$C_{16}H_{33}OH$	$(CH_2)_2(CH)_3(CH_2)_{12}COOH$	CCl_3CHO	NH_2Cl	$C_{10}H_6Cl_8$	
Aluminum	B	A			D	B		A		C	A				D				B		A															
Brass	D	A			D	C		B		C	A								B		C															
Carbon Steel	D				D	B		B			B				B					C	C			A												
Alloy 600	A				A	A		A																												
Alloy 400/450(Monel®)	A	A			B	A				C				B	A				B		A															
Alloy 20		A			B	A				B	A			A	A						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						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																				A					
UHMWPE	B	A		D	D	D					A																									
TPE	D	A		D																																
Poly Acrylate							D				A				D					D				D												
Poly Urethane	A	A					D	B			A				D					B	C			D												
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			C												
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
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	D
Fluorosilicone	A	B		B			B	B		A	A		A	C	C	D	D	A		B	A	C	C	C	B					C				B	B

Fluid Name	Chloric Acid	Chlorinated Glue	Chlorinated Naphthalene	Chlorinated Salt Brine	Chlorinated Solvents	Chlorinated Water	Chlorine	Chlorine, Dry	Chlorine, Wet	Chlorine Dioxide	Chlorine Gas, Dry	Chlorine Gas, Wet	Chlorine Gaseous Dry, max. +100°C	Chlorine Gaseous Dry, over +100°C	Chlorine Liquid Dry, max. +100°C	Chlorine Liquid Dry, over +100°C	Chlorine Phosphoric Acid 75%/+20°C	Chlorine Trifluoride	Chlorine Water	Chlorine, anhydrous liquid	Chlorine, dry	Chlorinated Solvents	Chlorinated Biphenyl	Chloroacetaldehyde	Chloroacetic Acid	Chloroacetone	Chloroacetyl Chloride	m - Chloroaniline	Chlorobenzaldehyde	Chlorobenzene (Mono)	Chlorobenzene, Dry	m - Chlorobenzotrifluoride	Chlorobromomethane	Chlorobutadiene	Chlorodifluoroethane (FC 142b)	Chlorodifluoromethane (FC 22)	Chlorododecane
Formula	$HClO_3$		$C_{10}H_7Cl$				Cl_2	Cl_2	Cl_2	ClO_2								ClF_3	$H_2O : Cl_2$				$ClCH_2CHO$	$CH_2ClCOOH$	CH_3COCH_2Cl	$ClCH_2COCl$	$ClC_6H_4NH_2$	C_6H_4CHOCl	C_6H_5Cl		$ClC_6H_4CF_3$	$BrCH_2Cl$		CH_2ClF_2	$CHClF_2$	
Aluminum	D					D	D				D	D										D								B							
Brass	D					D	D				C	D										C								B							
Carbon Steel	D					D	D				B	D	A	C	A	C	C					C								B							
Alloy 600											D	B										A															
Alloy 400/450(Monel®)	C					D					A	B										B								B							
Alloy 20						A					A											A								A							
Alloy C 276 (Hastelloy®)	A					D					A	D							A	D	A	A							A	B							
Titanium	A					A					D	A										A															
Cast Iron											B											C								B							
316 Stainless Steel	C					C	D				B	C										A								A							
630 Stainless steel						D					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			B	D		B		B	A		C	C			B
Nylon						D					D	D																			A							
Polyethylen(PE)											C	C																									
POM (Delrin®)						D	D				D		A	C	A	C	C					A								B							
PCTFE (Kel-F®)											A																			D							
PEEK						D	D				A											A								A							
PVDF	A							A	C	B																			B						A	
UHMWPE						C					D								B	D	D								C	D						
TPE																					D								D							
Poly Acrylate							D			D												D	D	D	D					D		D				
Poly Urethane																							D	D	D					D		D				
NBR		B	D	D	D	B	D	D	C	D	C	D	C	C	C	C	C	D	D	D	B	D	D	D	D	D		D	D	D	D	D	D		D	D
FPM (Viton®)		A	A	A	A	A	C	A	A	B	B		A	A	A	A	A	D	A	A	A	A	A		D	D		C		A	A	A	A	A	D	D	A
Neoprene						A	D			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	B	A	A
Grafoil®						A					A											A								A							
Silicone			D		D		D	D	D									D	D			D	D			D			D	D	D	D	D	D		D	D
Fluorosilicone			B		A		D	A	B	B								D				A	D	C	D	D			B	A	B	B	B		C	A

Fluid Name	Chloroform	Chloroform, Dry	Chlorohydrin	p - Chloronitrobenzene	Chloronitroethane	Chloromethyl Ether	Chloropentafluoroethane (FC 115)	o - Chlorophenol	p - Chlorophenol	Chlorophyll, Dry	Chloropicrin	Chloroprene	Chlorosulfonic Acid	Chlorosulfonic Acid, Dry	Chlorosulfonic Acid, Wet	Chlorotetrafluoroethane (FC 124)	p - Chlorotoluene	Chlorotoluene Sulfonic Acid	Chlorotrifluoromethane (FC13)	Chlorotrifluoroethylene (CTFE)	Chlorox	Chloroxylenol	Cholesterol	Choline	Chrome Alum	Chrome Plating Solution	Chromic Acid	Chromic Acid < 50%	Chromic Acid > 50%	Chromic Acid 5%	Chromic Acid 10%	Chromic Acid 30%	Chromic Acid 50%	Chromic Chloride	Chromic Fluoride	Chromic Hydroxide	Chromic Nitrate
Formula	$CHCl_3$		$CH_2OHCHOHCH_2Cl$	$C_6H_4ClNO_2$			$CClF_2CF_3$	C_6H_4OHCl	C_6H_4OHCl		CCl_3NO_2	$H_2C : CHCCl : CH_2$	$ClSO_2OH$			$C_2CF_4Cl_2$	$CH_3C_6H_4Cl$	$CH_3C_6H_3(SO_3H)Cl$	$CClF_3$	$ClFC : CH_2$		$C_6H_2(CH_3)_2OHCl$	$C_{27}H_{45}OH$	$(CH_3)_3NOH(CH_2)_2OH$		H_2CrO_4							$CrCl_3$	CrF_3	$Cr(OH)_3$	$Cr(NO_3)_3$
Aluminum	D	D								B				B	D										C		D	C	D								
Brass	B	B								B				C	D										C		D	D	D								
Carbon Steel	B	B												B	D										B		D	D	D								
Alloy 600		A												C	C												B										
Alloy 400/450(Monel®)		A								B				C	D										B		D	C	D								
Alloy 20		A								A				B											A			B	B								
Alloy C 276 (Hastelloy®)	A	B											A	A	A												B	B	B	B	A	D	B				
Titanium		A												D													A										
Cast Iron		C								B				B											C			D	C								
316 Stainless Steel	A	A								B				B	D										A		D	C	C								
630 Stainless steel		B																										C	D								
Carpenter 20®		A								A				B											A			B	B								
PTFE/PFA (Teflon®)	A	A	A				D			A		C	A	A	A						A				A	A	A	A	A	A	A	A	A				
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						D										
Poly Urethane	D						D						D								D						D										
NBR	D	D	A		D	D	A	D		B		D	D	D	D		D		A		B				A	D	D	D	D	D	D	D	D				
FPM (Viton®)	A	B	A		D	D	A	A		B		A	D	D			A		A		A				A	A	A	C	C	A	B	A	A				
Neoprene	D	D				D				B			D	D	D						B				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	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		A					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_2O_3	$CrPO_4$	$Cr_2(SO_4)_3$	$CrK(SO_4)_2$	CrO_2Cl_2	$C_6H_5CH:CHCOOH$	$C_6H_5CH:CHCH_2OH$	$C_6H_5CH:CHCHO$												$Co(C_2H_3O_2)_2:4H_2O$	$CoBr_2:6H_2O$	$CoCl_2:6H_2O$	$Co(C_{18}H_{31}O_2)_2$	$CoSO_4$						$H_2:CH_4:N_2:CO$							$Cu(C_2H_3O_2)_2:H_2O$
Aluminum			B							B	B	C															B		A	A	A			B			D
Brass			C								C	B															B		A	B	C			B			D
Carbon Steel											D	D					A								B		C			C	B	A		B			D
Alloy 600											A																A				A						A
Alloy 400/450(Monel®)			B							A	B	B															B		B	A	B			A			C
Alloy 20			C							B	A	A														A	A		A	A	A			A			A
Alloy C 276 (Hastelloy®)																		A									A		A							B
Titanium																											A										A
Cast Iron			D								D	D															C		D	C	B			B			D
316 Stainless Steel			B							A	C	B														A	A		A	A	A			A			A
630 Stainless steel											C																										
Carpenter 20®			C							B	A	A														A	A		A	A	A			A			A
PTFE/PFA (Teflon®)	A		A	B					A	A	A	A	A	A	A		A		A			A			A	A	A	A	B	A	A	A	B	A	A	A
Nylon											D																			D	C						
Polyethylen(PE)											D																										
POM (Delrin®)			C							A	A	A					B								A	A	A		A	A	D	A		A			D
PCTFE (Kel-F®)																																					
PEEK			A							A	A	A														A	A		A	A	A			A			A
PVDF					A						A																	A									
UHMWPE										B	D															A	A		A								
TPE										B^1	A^1																										
Poly Acrylate										D									D							D	A			D	D					D	D
Poly Urethane										D						A			D						B	B	A			D	D					D	D
NBR	D		B	B					A	A	A	A	A	A	A	A	C	B	A			A			A	A	A	A	A	A	D	A	D	A	A	D	B
FPM (Viton®)	A		B	A					A	B	A	A	A	A	A	B	A	A	A			A			C	B	A	A	A	A	A	A	A	A	A	D	D
Neoprene			B							B	A	A				A			A						B	B	B		A	A	D			B		C	C
EPDM	B		B	B					D	A	A		D	D	D	A		B	D			A			D	A	C	A	A	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
Grafoil®			A							A	A	A														A	A		A	A	A			A			A
Silicone									D	B	A		D	D	D	C		B	D			B			D	A	A	B		A	B		D		D	D	D
Fluorosilicone									A	A	A		A	A	A	C		B	D			A			A	A	A	A		A	B				A	D	D

Fluid Name	Copper Carbonate	Copper Chloride	Copper Cyanide	Copper Gluconate	Copper Fluoborate	Copper Naphthenate	Copper Nitrate	Copper Plating Solution	Copper Salts	Copper Sulfate	Copper Sulfate 5%	Copper Sulfate > 5%	Corn Oil	Corn Starch Slurry	Corn Syrup	Cottonseed Oil	Cream	Creosote Oil	Cresote - Coal Tar	Cresol	Cresois Cresylic Acid	Cresylic Acid	Crontonaldehyde	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)	$(Cu_2OH(CHOH)_4COO)_2Cu$			$Cu(NO_3)_2$			$CuSO_4$										$CH_3C_6H_4OH$			$CH_3CH : CHCHO$	$CH_3CH : CHCOOH$				$C_6H_5CH(CH_3)_2$	$C_6H_5C(CH_3)_2OOH$	$(CH_3)_2CHC_6H_4CHO$					HN : C : NH		$CNCH_2COOH$	CNCl
Aluminum	D	D	D				D			D			D			B		B				C			B	B	A				D		C		D		
Brass		D	D				D			D			B			B		B				C			A	C	B						A		D		
Carbon Steel		D					D			D			C			C		B				C			A	B	B						B				
Alloy 600							D			B								A																			
Alloy 400/450(Monel®)		B	C				D			C			D			B		B				B				B	A				D				D		
Alloy 20	A		A				B			B			B			B		A		B		B				A	A				A		A		B		
Alloy C 276 (Hastelloy®)			A		B		B			A	A	A						B		B		B															
Titanium							A			B																											
Cast Iron			D				D			D			C			C		B				D				C	B						B		D		
316 Stainless Steel		D	A				B			B			A			B		B		B		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			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		
PVDF	A		A				A			A			A			A				B																	
UHMWPE			B				B			A	A	A	A			A		D		D		B															
TPE		A[1]									A[1]	A[1]								D																	
Poly Acrylate		D						D		D			A	D	D	A		D			D		D		A			D									
Poly Urethane		B						D		D			A	B	B	A		D			A		D		B			D									
NBR		A	A		B		A	B	A	A	A	A	A	A	A	A	A	A	A	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	B	A	A	D	D	A	A	A	A				A	A		B		B
Neoprene		B	A				A	A		A			C	B	B	C		D		D	D	D	D		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
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[1]								
Poly Acrylate			D	D	D	D	B				D				
Poly Urethane			D	D	D	D	A				D				
NBR			D	D	D	D	A	A	D		D				D
FPM (Viton®)			D	D	D	D	A	A	D		D				A
Neoprene			D	D	D	D	C		D		D				
EPDM		D	A	A	A	A	D	D	B		A				D
Kalrez®	A	A					A	A	B	A	A	A	A	A	A
Grafoil®							A		A						
Silicone			D	D	D	D	D	D	D		D				D
Fluorosilicone			C	D	D	D	A	A	D		C				B

Fluid Name	2, 4 - D	DC 200,510,550,710 (Silicone Oils)	DDT (Dichlorodiphenyltrichloroethane)	DDT Solutions (Toluene Solvent)	DDT Solutions (Kerosene Solvent)	Dead Oil	Decahydronaphthalene	n - Decane	Deionized Water	Delco Brake Fluid	Desmophen	Detergents, synthetic	Developing Fluids	Dextron	Diacetone	Diacetone Alcohol (Diacetol)	Diallyl Phthalate (DAP)	Diamylamine	Diazinon	Dibenzyl Ether	Dibenzyl Sebacate	Diborane	Dibromodifluoromethane	Dibromoethylbenzene	Dibromotetrafluoroethane (FC 114B2)	Dibutyl Cellosolve Adipate	Dibutyl Ether	Dibutyl Phtalate	Dibutyl tert - Peroxide	Dibutyl Phthalate (DBP)	Dibutyl Sebacate	n - Dibutylamine	Dicapryl Phthalate	Dichloroacetic Acid	3, 4 - Dichloroaniline	o - Dichlorobenzene	p - Dichlorobenzene
Formula	$Cl_2C_6H_3OCH_2COOH$		$(ClC_6H_4)_2CHCCl_3$				$C_{10}H_{18}$	$CH_3(CH_2)_8CH_3$	H_2O							$CH_3COCH_2C(CH_3)_2OH$	$C_6H_4(COOCH_2CH:CH_2)_2$	$(C_5H_{11})_2NH$	$[C(CH_3)_2CHC_6H_4H(CH_3)O]PS(OC_6H_5)_2$	$C_6H_5CH_2OCH_2C_6H_5$	$C_6H_5CH_2OC(CH_2)_8COOCH_2C_6H_5$	B_2H_6	CF_2Br_2		$(CBrF_2)_2$				$(CH_3)_3COOC(CH_3)_3$			$(C_4H_9)_2NH$	$(C_8H_{17}OOC)_2C_6H_4$	$CHCl_2COOH$	$C_6H_3NH_2Cl_2$	$C_6H_4Cl_2$	$C_6H_4Cl_2$
Aluminum												B																									
Brass												B																									
Carbon Steel											A																										
Alloy 600																																					
Alloy 400/450(Monel®)												B																									
Alloy 20												A																									
Alloy C 276 (Hastelloy®)												B																									
Titanium																																					
Cast Iron												B																									
316 Stainless Steel												B																									
630 Stainless steel																																					
Carpenter 20®												A																									
PTFE/PFA (Teflon®)								A	B	A	A	A	A	A		D			D	C	A			D	D		D			B	B	B			D	C
Nylon																																					
Polyethylen(PE)																																					
POM (Delrin®)												A																									
PCTFE (Kel-F®)																																					
PEEK												A																									
PVDF																											A	C						A			
UHMWPE												D				A																					
TPE																																					
Poly Acrylate		B		D	B	A										D		D								D	C	D								
Poly Urethane		B		D	B	B										D		D								D	D	C								
NBR		B	D	D	A	A	D	A	B	C	C	A	A	A	D	D		D	C	D	D		D	D	B	D	D	D		D	D	D	D		D	D
FPM (Viton®)		A	A	A	A	A	A	A	A	D	C	A	A	A	D	D		D	B	D	A		B	D	B	D	D	C		B	A	D	B	C	A	A
Neoprene		B		D	C	C						B				B		D								D	D	D								
EPDM		B	D	D	D	D	D	D	B	A		A	B	D	A	A		A	D	B	B		B	D	D	A	C	A		B	B	D	B		D	D
Kalrez®	A		A				A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	B		A		A	A	A	A	A	A	A	A	A
Grafoil®												A																									
Silicone		D	D	D	D	D	D	B		C		A	A	D		D		D	D		C		D	D	D	D	D	D		B	B	C	C		D	D
Fluorosilicone		A	A	A	A	A	A	A		D		A	A	B	D	D		D	B		C			B		D	C	C		C	B	D	B		B	B

Fluid Name	Dichlorobenzene	Dichlorobutane	Dichlorobutene	Dichlorodiethyl 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		$ClCH_2(CH_2)_2CH_2Cl$	$ClH_2CCH:CHCH_2Cl$	$S(CH_2CH_2Cl)_2$	CCl_2F_2			$ClHC:CHCl$	$CFCl_2CH_3$	$CHCl_2F$	$CH_2ClCHOHCH_2Cl$	$[ClCH_2C(CH_3)H]_2O$	$Cl_2C_6H_3OH$		$CHCl:CHCH_2Cl$		$(CClF_2)_2$	CF_3CHCl_2	$(C_6H_{11})_2NH$	$C_{12}H_{10}OCl_6$					$(HOCH_2CH_2)_2NH$	$(C_2H_5)_2NH$		$(C_2H_5)_2NC_6H_5$	$C_6H_4(C_2H_5)_2$	$(C_2H_5)_2CO_3$							$CH_2OHCH_2OCH_2CH_2OH$	$C_4H_8O(CH_2)_2O(CH_2)_2OH$	$CH_3O(CH_2)_2O(CH_2)_2OH$
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		
Poly Urethane	D					D								D							C			D		D		D	D	D	D	D	D	D	D		
NBR	D	B			A	D	D			D		D		D			A		C		A	B	B	D	B	D		D	D	D	C	C	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	A	C	
Neoprene	D					D	D							D							C			D	C	D		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	
Kalrez®		A	A	A	B	A		A	A	A	A	A	A		A	A	B	A	A	A	A	A	A	A	A		A	A	A						A	A	A
Grafoil®						A															A				A			A							A		
Silicone	D	D		A	D	D				D		D		D			D				D	D	D	D	B	D		D	D	D	D	D	A	D	B	D	
Fluorosilicone	A	B			D	C						C		C			B		D		A	B	B	D	D	D		C	B	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	Dimeythyl 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)	Dioctyl Amine	Dioctyl Phthalate	Dioxane	Dioxolane	Dipentene	Dipentane (Pinene)
Formula	$NH_2C_2H_4NHC_2H_4NH_2$		$[C_4H_9CH(C_2H_5)CH_2]_2NH$	$C_6H_4(COOCH_2CH(C_2H_5)C_4H_9)_2$	$C_4H_8COO(C_8H_{17})_2$	$C_6H_4(CO_2C_2H_5)_2$		$(C_2H_5)_2SO_4$	CH_3CHF_2	$O((CH_2)_2OCOCl)_2$		$(C_6H_4OH)_2SO_2$		$(CH_3)_2CHCH_2COCH_2CH(CH_3)_2$		$C_8H_{17}OOC(CH_2)_8COOC_8H_{17}$	$CH(CH_3)_2(C_6H_5)CH(CH_3)_2$	$[(CH_3)_2CH]_2CO$		$CH_3CON(CH_3)_2$	$(CH_3)_2NH$	$C_6H_5N(CH_3)_2$	CH_3OCH_3		$HCON(CH_3)_2$	$[(CH_3)_2CHCH_2]_2CHOH$	$(CH_3)_2NNH_2$	$C_6H_4(COOCH_3)_2$	$(CH_3)_2SO$	$C_6H_4(COOCH_3)_2$	$C_6H_3CH_3(NO_2)_2$			$(O(CH_2)_2)_2$	$O(CH_2)_2OCH_2$	$C_{10}H_{16}$	
Aluminum								B																	B									B			A
Brass								B																	B									B			A
Carbon Steel																																					
Alloy 600																																					
Alloy 400/450(Monel®)								B																	B									B			
Alloy 20								B																	A									B			A
Alloy C 276 (Hastelloy®)		B																																			
Titanium																																					
Cast Iron								B																	B									B			A
316 Stainless Steel								B																	A			D						B			A
630 Stainless steel																																					
Carpenter 20®								B																	A									B			A
PTFE/PFA (Teflon®)		D		B	A		B	A															D		A			A	B		D			A	D	C	A
Nylon																																					
Polyethylen(PE)																																					
POM (Delrin®)								A																	A			C						C			A
PCTFE (Kel-F®)																									A									A			
PEEK								A																	A			A						A			A
PVDF		A											A							D	D	C	A	D	D			D	D					D			
UHMWPE																									A												
TPE		C																																			
Poly Acrylate														D	D		D					D		D								D	D	D		D	
Poly Urethane														D	D		D					D		D								D	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	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	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	B	A	A	A	A	A	A	A	A	A	A			A	A	A	A
Grafoil®								A																	A			A						A			A
Silicone		D		C	C		B						D	D	D	C	D	D	D			D	A		B						D	D		D	D	D	
Fluorosilicone		C		B	C		B						C	D	C	C	B	D	D			D	A	B	D			B			D	D	D	D	D	A	

Fluid Name	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 Corning 1208,4050,6620,F - 60,Xf - 60	Dow Corning 3,4,11	Dow Corning 5,33,44,200,220,510,550,705,710	Dow Corning 55	Cow Corning F - 61	Dow Guard	Dowanols	Dowtherm	Dowtherm 209	Dowtherm A	Dowtherm E	Drilling Mud	Drinking Water	Dry Cleaning Fluids	Drying Oil	DTE Light Oil
Formula	$(C_6H_5)_2$	$(C_6H_5)_2NH$	$C_{12}H_8O$	$C_6H_5CH_2CH_2C_6H_5$		$(C_6H_5)_2O$	Si_2H_8						$C_{12}H_{25}SH$	$C_{12}H_{25}C_6H_5$															H_2O				
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	B	A	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	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	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	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	B		A
Grafoil®								A		A														A				A		A	A	
Silicone	D				D	C			D		D	D				D	A	C	C	C		A	D		C	D	D		A	D		C
Fluorosilicone	B				B	B			B		B	B			D			A	B	B		A	D		C	B	B		A	B		A

Fluid Name	ELCO 28 EP Lubricant	Embasiming Fluid	Enamel	Engine Oil	Epichlorohydrin	Epoxy Resins	Epsom Salts	Erucic Acid	Esam - 6 Fluid	ESSO Turbo Oil (-65°F~+250°F)	ESSO Turbo Oil (-20°F~+120°F)	ESSO Fuel 208	ESSO Golden Gasoline	ESSO Motor Oil	ESSO Transmission Fluid, Type A	ESSO WS2812 (MIL - L - 7808A)	ESSO XP9O - EP Lubricnat	ESSTIC 42, 43	Ethane	Ethanethiol	Ethanol	Ethanolamine (MEA)	Ethanolamine, Mono, Di, Tri	Ethers	Ethyl Acetate	Ethyl Acetoacetate	Ethyl Acrylate	Ethyl Alcohol	Ethyl Aluminum Dichloride	Ethylamine	Ethyl Benzene	Ethyl Benzoate	Ethyl Bromide	Ethyl Butyrate	Ethyl Cellulose	Ethyl Chloride	Ethyl Chloride, dry
Formula					CH_2OCHCH_2Cl		$MgSO_4$	$C_8H_{17}CH:CH(CH_2)_{11}COOH$											C_2H_6	C_2H_5SH		$HO(CH_2)_2NH_2$			$CH_3COOC_2H_5$	$CH_3COCH_2COOC_2H_5$	$CH_2:CHCOOC_2H_5$	C_2H_5OH	$C_2H_5AlCl_2$	$CH_3CH_2NH_2$	$C_6H_5C_2H_5$	$C_6H_5CO_2C_2H_5$	C_2H_5Br	$C_3H_7CO_2C_2H_5$		C_2H_5Cl	
Aluminum							A												A					A	A		C	B				B				B
Brass			A				B												B					B	C		B	A				A				B
Carbon Steel				A			C												C					A	B		C									B
Alloy 600							A												A						A			A								A
Alloy 400/450(Monel®)							B												B					B	B		B	A				B				B
Alloy 20							B												B					A	B		A	A		A		C				A
Alloy C 276 (Hastelloy®)							B														A	B		B	B		A			A					B	B
Titanium							A												A						A			A								A
Cast Iron							C												C					B	C		C					B				B
316 Stainless Steel			A				B												B					A	B		A	B		B		B				A
630 Stainless steel																								B	A											A
Carpenter 20®							B												B					A	B		A			A		C				A
PTFE/PFA (Teflon®)	A		A	A	D	B	A		D			A	C	A	A	A	A	A	A		A	A		A	A		A	A		A	C	A			B	B
Nylon							B																		A		A			B						A
Polyethylen(PE)																																				D
POM (Delrin®)			A	A			A												A					C	C		B	A		A		A				A
PCTFE (Kel-F®)																									C											
PEEK			A				A												A					A	A		A			A		A				A
PVDF																			A		B			A	C		C	B		C					B	
UHMWPE							A														B			D	C						C				C	D
TPE																									B										C	
Poly Acrylate										B	D								A			D	D	D	D			D				D		D	C	
Poly Urethane										D	D								B			D	D	D	D			D				D		B	B	
NBR	A	A	B	A	D	C	A		D	A	D	A	B	A	A	A	A	A	A	D	C	D	D	D	D	D	D	A		D	D	B		B	A	C
FPM (Viton®)	A			A	D	D	A		D	A	A	A	A	A	A	A	A	A	A	B	A	D	D	C	D	D	D	C	D	A	A	A		D	A	B
Neoprene			B				A			D	D								D			D	D	D	D		D	B		D		D		B	D	C
EPDM	D		D	C	B	A			A	D	D	D	D	D	D	D	D	D	D	C		B	A	C	B	B	B	A		D	D	D		B	C	C
Kalrez®	A				B	A		A	A			A	A	A	A	A	A	A	A	A		A		A	A	A	A	A	A	A	A	A	A	A	A	A
Grafoil®			A				A												A					A	A		A			A		A				A
Silicone	B				D					D	D	D	D	D	D	D	D	D	D	C		D		D	D	B	B	B		D	D	D		C	D	
Fluorosilicone	A				D				D	A	A	A	A	A	A	A	A	A	B			D	D	C	D	D	D	B		A	A	A		D	A	

Fluid Name	Ethyl Chloride, wet	Ethyl Chlorocarbonate	Ethyl Cyanide	Ethylcyclopentane	Ethyl Dibromide	Ethyl Dichloride	Ethylene	Ethylene Bromide	Ethylene Chloride	Ethylene Chlorohydrin	Ethylene Cyanohydrin	Ethylene Diamine	Ethylene Dibromide	Ethylene Dichloride	Ethylene Glycol	Ethylene Glycol Butyl Ether	Ethylene Glycol Butyl Ether Acetate	Ethylene Glycol Ethyl Ether Acetate(EGMEEA)	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		$ClCOOC_2H_5$	C_2H_5CN	$C_2H_5C_5H_9$			C_2H_4			$ClCH_2CH_2OH$	$HOCH_2CH_2CN$	$NH_2(CH_2)_2NH_2$	$BrCH_2CH_2Br$	$ClCH_2CH_2Cl$	$(CH_2OH)_2$	$HO(CH_2)_2OC_4H_9$	$C_4H_9C(CH_2)_2OOCCH_3$	$CH_3COO(CH_2)_2OC_2H_5$	CH_2OCH_2		$(C_2H_5)_2O$	$C_2H_5OOC(CH_2)_2OC_2H_5$	$HCOOC_2H_5$		$(CH_3)_2CHCH_2COOC_2H_5$	$CH_3CHOHCOOC_2H_5$		$(CH_2)_2O(CH_2)_2NCH_2CH_3$	$C_2H_5NO_3$	$(COOC_2H_5)_2$			$(C_2H_5)_4SiO_4$			$C_2H_5HSO_4$	
Aluminum	D								C						A				C		B												A				
Brass	C														B				C		B												B				
Carbon Steel	D														B				B																		
Alloy 600	A														A				A																		
Alloy 400/450(Monel®)	B								B					B	B				B		A												B				
Alloy 20	B								A					A	A				B		A												B		B		
Alloy C 276 (Hastelloy®)	B							B	B	B		C		B	A				A		B																
Titanium	A														A				A																		
Cast Iron	D														B				B		C												B				
316 Stainless Steel	B								A					B	B				B		A												B		B		
630 Stainless steel															A																						
Carpenter 20®	B								A					A	A				B		A												B		B		
PTFE/PFA (Teflon®)	A	B	A	B	B	A		A		A		B		A	A	C	B	C	A	D	A		A										A		A		B
Nylon	A													A	B				D																		
Polyethylen(PE)															B																						
POM (Delrin®)	A								A					C	A				A		A												A		A		
PCTFE (Kel-F®)									A						A				D		C																
PEEK	A								A					A	A				A		A												A		A		
PVDF												C	A						A																		
UHMWPE	D							D				A		D	A				C																		
TPE														C	A				A																		
Poly Acrylate							D	B	D	D			D	D	D				D													D					
Poly Urethane							D	B	D	D			D	D	B				D													D					
NBR	C	D	A	A	D	D	A	D	D	D		A	D	D	A	C	D	D	D	D	C		D	A			D		D	D	D	A		B		C
FPM (Viton®)	B	A	A	A	A	A	A	A	B	A		D	A	A	A	D	B	D	D	A	D		A	A			B		A	A	D	A		A		B
Neoprene	C					D	C	D	D			D	D	D	A				D		D						C				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	B	A	A	A	A	A	A	A		A			A	A
Grafoil®	A								A					A	A				A		A											A		A		
Silicone		D		D		D	D	D	D	C		A	D	D	A		B	D	D	D	D			B			D		D	D	D	D				
Fluorosilicone		B		A		A	A	C	B	B		D	C	C	A	D	B	D	D	C	C		A	A					B	B	D	A				

Fluid Name	Ethylhexyl Acrylate	Ethylmorpholinestannous Octotate	Explosive (Andex 1)
Formula	CH_2:$CHCOOCH_2CH(C_2H_5)C_4H_9$		
Aluminum			
Brass			
Carbon Steel			
Alloy 600			A
Alloy 400/450(Monel®)			
Alloy 20			
Alloy C 276 (Hastelloy®)			
Titanium			
Cast Iron			
316 Stainless Steel			
630 Stainless steel			
Carpenter 20®			
PTFE/PFA (Teflon®)			
Nylon			B
Polyethylen(PE)			
POM (Delrin®)			
PCTFE (Kel-F®)			
PEEK			
PVDF			
UHMWPE			
TPE			
Poly Acrylate			
Poly Urethane			
NBR			
FPM (Viton®)		D	A
Neoprene		D	
EPDM			
Kalrez®		B	
Grafoil®	A	A	
Silicone			
Fluorosilicone			

Fluid Name	Faeces	Fatty Acids	Fatty Acid, +100°C	Fatty Acid, +200°C	F 60 Fluid	F 61 Fluid	FC 11 (CFC)(Trichlorofluoromethane)	FC 12 (CFC)(Dichlorodifluoromethane)	FC 13 (CFC)(Chlorotrifluoromethane)	FC 13B1 (FC)(Bromotrifluoromethane)	FC 14 (FC)(Tetrafluoromethane)	FC 21 (CFC)(Dichlorofluoromethane)	FC 22 (HCFC)(Chlorodifluoromethane)	FC 23 (HFC)(Fluoroform)	FC 31	FC 32	FC 43 (Heptacosofluorotributylamine)	FC 75	FC 112	FC 113 (CFC)(Trichlorotrifluoroethane)	FC 114 (CFC)(Dichlorotetrafluoroethane)	FC 114B2 (Dibromotetrafluoroethane)	FC 115 (CFC)(Chloropentafluoroethane)	FC 116 (FC)(Hexafluoroethane)	FC 123 (HCFC)(Dichlorotrifluoroethane)	FC 124 (CFC)(Chlorotetrafluoroethane)	FC 125 (HFC)(Pentafluoroethane)	FC134a (HFC)(1,1,1,2 - Tetrafluoroethane)	FC 141b (HCFC)(Dichlorofluoroethane)	FC 142b (HCFC)(Difluorochloroethane)	FC 143a (HFC)(1,1,1 - Trifluoroethane)	FC 152a (HCFC)(Difluoroethane)	FC 152b	FC 218	FC 502	FC BF	FC C316
Formula							$CFCl_3$	CCl_2F_2	$CClF_3$	$CBrF_3$	CF_4	$CHCl_2F$	$CHClF_2$	CHF_3						CCl_2FCClF_2	$CClF_2$	$(CBrF_2)_2$	$CClF_2CF_2$	C_2F_6	CF_3CHCl_2	C_2CF_4Cl	C_2HF_5	CF_3CH_2F	$CFCl_2CH_3$	CF_2ClCH_3		CH_3CHF_2					
Aluminum		B																																		
Brass		C																																		
Carbon Steel	A	D	C	C																																
Alloy 600		A																																		
Alloy 400/450(Monel®)		B																																		
Alloy 20		A																																		
Alloy C 276 (Hastelloy®)		A																																		
Titanium		A																																		
Cast Iron		D																																		
316 Stainless Steel		A																																		
630 Stainless steel																																				
Carpenter 20®		A																																		
PTFE/PFA (Teflon®)	A	A	A	A	A	A	D	D								D	C	C	D	D	D	D	D		D	D				D	B					
Nylon		B																																		
Polyethylen(PE)																																				
POM (Delrin®)	A	A	A	C																																
PCTFE (Kel-F®)																																				
PEEK		A																																		
PVDF		A																																		
UHMWPE		D																																		
TPE																																				
Poly Acrylate		A																																		
Poly Urethane		B																																		
NBR	A	B		C	A	A	B	A	A	A	A	D	D		D	A	A	A	B	B	A	B	A	A					B	D	A		A	B	B	A
FPM (Viton®)	A	A	C	C	A	A	B	B	A	B	A	D	D		D	D	A	B	A	B	A	B	B	B					B	A	D		A	B	A	A
Neoprene		B																																		
EPDM		C			A	A	D	B	A	A	A	D	B		A	A	A	A	D	D	A	D	A	A					D	D	A		A	A	D	A
Kalrez®		A			A	A	B	B	B	B	A	A	A	A	B	A	D	D	A	B	B	B	B	B	A	B	B	A	A	B	A	A	B	B	B	B
Grafoil®		A																																		
Silicone		C			D	D	D	D	D	D	D	D	D				A	A	D	D	D	D								D					D	
Fluorosilicone		A			A	A	B	D	D	B			C				A	B	B	D	B									B						

Fluid Name	FC C318 (Octafluoro-tetraethylene)	FC PCA	FC TA	FC TC	FC TMC	FC T - P35	FC T - WD602	Ferric Acetate	Ferric Ammonium Sulfate	Ferric Chloride	Ferric Hydroxide	Ferric Nitrate	Ferric Sulfate	Ferrous Ammonium Citrate	Ferrous Ammonium Sulfate	Ferrous Chloride	Ferrous Iodide	Ferrous Sulfide	Ferrous Sulfate	Ferrous Sulfate, Saturated	Fertilizer Solutions	Film Dope	Fire extinguishing substance (Foamite)	Fish Oils	Fluoroboric Acid	Fluorine	Fluorine Gas, dry	Fluorine Gas, wet	FLUORINERT (FC 70)	Fluorobenzene	Fluorofoem (FC 23)	FLUOROLUBE	Fluorophosphoric Acid, Anhydrous	Flue Gases	Fluorosilicic Acid	Fluosulfonic Acid	FOMBLIN
Formula								$Fe(C_2H_3O_2)_2OH$	$FeNH_4(SO_4)_2$	$FeCl_3$	$Fe(OH)_3$	$Fe(NO_3)_3$	$Fe_2(SO_4)_3$		$Fe(SO_4) : (NH_4)_2SO_4$	$FeCl_2$	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			
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										A	D			
316 Stainless Steel										D	A	C	B	B		D		B	B	A	B			A	B	D	B	D						A	B			
630 Stainless steel												B	B																									
Carpenter 20®											A	A	A	B		D			B	A	B			A	A		A							A	B			
PTFE/PFA (Teflon®)	D	D								A	A	A	A	A		A		A	A	A	A			A	A	D	A	A				B		A	A			
Nylon										D			D			D			D																			
Polyethylen(PE)										B		B	B						B								B	B										
POM (Delrin®)										A	A	A	A	A		A		A	A				B	A	D	D									C	C			
PCTFE (Kel-F®)																A			A	A							A											
PEEK											A	A	A	A		A			A	A	A			A	D		A								A	D			
PVDF																										D												
UHMWPE										A		A	A	A		A			A						A	D									A			
TPE										C																												
Poly Acrylate																								A														
Poly Urethane										A			A						A					B														
NBR	A	A	A	A	B	A	B			A	B	A	A			A		B	A	C	B		A	A	A	D				D		A		C	A		
FPM (Viton®)	B	B	C	A	A	A	A			A		A	A			A		A	A	B			B	A	B	C			A	A		B		C	C		A
Neoprene										B		A	A			A			A	C	B			B	B			C							C	C		
EPDM	A	D	B	B	C	A	B			A		A	A			A		A	A	B		A	C	D	A	D				D		A		D	C		
Kalrez®	B	C	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A		A					A	A	B			B	A	A	B	A		A	A	A
Grafoil®											A	B	A	A		A			A	A	A			A										A				
Silicone		D	C	D	C	A	D			B		C	B						B					D	A	D				D		A			D		
Fluorosilicone										A		A	A						A					A	A					B		B			D		

Fluid Name	Formaldehyde	Formaldehyde, cold	Formaldehyde, hot	Formaldehyde, 40%	Formaldehyde, 100%	Formamide	Formic Acid	Formic Acid, cold	Formic Acid, hot	Freon	Freon Gas, dry	Freon 11, MF, 112, BF	Freon 12, 13, 32, 114, 115	Freon 21, 31	Freon 22	Freon 113, TF	Freon 113	Freon TF	Freon, wet	Fruit Juices	Fuel Oil	Fuel Oil Heavy, max. +80°C	Fuel Oil Heavy, max. +200°C	Fuel Oil Light, max. +80°C	Fumaric Acid	Furaldehyde	Furane	Furfural	Furfuraldehyde	Furfuryl Alcohol	Furoic Acid	Furyl Carbinol	FYRQUEL 90,100,150,220,300,500,550	FYRQUEL A60			
Formula	HCHO					$HCONH_2$	HCOOH																				HC : CHCH : CHO	C_4H_3OCHO		$C_4H_3OCH_2OH$	C_4H_3OCOOH							
Aluminum	A	A	B				D	D	D	B	B	B	A	B	A	B			D	C	A						B										
Brass	A	A	B				D	B	B	B	B	B	A	B	A	B			D	B	B						A										
Carbon Steel	C	A	D				D	D	D	C	B									D	B	A	A	A			A	A									
Alloy 600		B	B					C	D	B											B						B									
Alloy 400/450(Monel®)		A	B					B	B	A	A	B	B	B		B			B	B	B						B									
Alloy 20		A	B					A	B		A	A	A	A	A	A			B	A	A				A			A									
Alloy C 276 (Hastelloy®)		B	B	B	A		A	A	B	B	B	B	B	B	B	B	A	A	B	A	A						B	B									
Titanium		A	A					D	D	C											B																
Cast Iron		B	D					D	D		B	C	B	C	B	C			D	D	B							B									
316 Stainless Steel	A	A	C				B	B	B	C	A	A	A	A	A	A			C	A	A							A									
630 Stainless steel		A						B	D		A								B									B									
Carpenter 20®		A	B					A	B		A	A	A	A	A	A			B	A	A				A			A									
PTFE/PFA (Teflon®)	D	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	B		B	A	B			
Nylon		A						A	D	B	A	A	A	A	A	A			D																		
Polyethylen(PE)										B																		D									
POM (Delrin®)	A	A	A				D	D	D		A	A	A	A	A	A			A	A	A	C	C	A	A		C	A									
PCTFE (Kel-F®)			B					A	B			C	C	C	C	C																					
PEEK		A	A					A	A		A	A	A	A	A	A			A	A	A				A			A									
PVDF	A						A					A	A		A		B			A	A				B		D	D		C							
UHMWPE		A	A	D	B		D	A	A			C	A							A	D						D	D									
TPE				B			B					A	A				A	A																			
Poly Acrylate	D																				A							D									
Poly Urethane	D																				A							C									
NBR	C	B	B	B	C	C	C	D	D	C	C	C	B	D	D	B	A	A	B	A	A	C	C	A	A	D	C	D	D	D		D	D	D			
FPM (Viton®)	B	D		A	D	C	D	B	A	C	C	D	D	D	D	C	B	B	D	A	A	C	C	A	A	D	D	D	D	A		D	A	D			
Neoprene	D	B	B				B	A	A	C	C	C	A	D	B	C			B	A	B				B			C									
EPDM	B	B				A	A				C	C	A	D	D	C			B	A	D			C	B	B	D	C	B	B		B	A	B			
Kalrez®	B	A	A			A	B	B	B			D	D	A	C	D					A				A	B	A	A	B	A	A	A	A	A			
Grafoil®		A	A					A	A		A	A	A	A	A	A			A		A							A									
Silicone	C						C													A	D				B			D	D	D		D	A	A			
Fluorosilicone	D						C													A	A				A			D		D		D	C	C			

Fluid Name	GALDEN	Gallic Acid	Gallic Acid 5%	Gear Oil	Gas (Inert)	Gas (Inert gas), +100°C	Gas (Inert gas), +200°C	Gas, Manufactured	Gas, Natural	Gas, Odorizers	Gas Oil	Gasoline	Gasoline, Aviation	Gasoline, Aromatic	Gasoline, Automotive	Gasoline, Ethyl and Regular	Gasoline, Leaded	Gasoline, Motor	Gasoline, 100 Octane	Gasoline, 130 Octane	Gasoline, Refined	Gasoline, Sour	Gasolien, 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
Brass			C		B			B	B	A		A	A				A	A			B	B	A		A					A	B			B			B
Carbon Steel			D	A	B	A	A	B	B	B	A	A	A				A	A			B	B	A		D					B	A			C			C
Alloy 600								A	A			A													A					A	A			A			A
Alloy 400/450(Monel®)			B					A	A	B		A	A				B	A			B	C	A		B					A	B			A			B
Alloy 20			B					B	B	A			A				A	A			A	A	A		A					A	A			A			A
Alloy C 276 (Hastelloy®)		B	B					A	A			A	A				A	A			A	A	A		A					A	A			A			
Titanium								A	A			A																		A	A			A			A
Cast Iron			D					B	B	B			B				A	B			B	B	B		D					B	B			B			B
316 Stainless Steel			B		A			B	A	B		A	A				A	A			A	A	A		A					A	B			A			B
630 Stainless steel																		A															A			
Carpenter 20®			B					B	B	A			A				A	A			A	A	A		A					A	A			A			A
PTFE/PFA (Teflon®)	B	B	A	A	A	A	A	A	A	A	A	B	A				A	A			A	A	A		A			A		A	A			A			A
Nylon			A					A	A	A		A	A				A	A			A	B	A		A					A	A			B			
Polyethylen(PE)												D																						D			
POM (Delrin®)			A	A	A	A	C	A	A	A	A	B	A				A	A			A	A	A		A					A	A			C			C
PCTFE (Kel-F®)			A					A																													
PEEK			A					A	A	A			A				A	A			A	A	A		A					A	A			A			A
PVDF												A													A							A	A				
UHMWPE		A	A									A	D				D	D			D	D	D		A					A	A			A			A
TPE												A																			A			A			
Poly Acrylate		D									D			D	D	D			D	D	D	D		D	D		D	D		A	A			D			
Poly Urethane		D									B			A	B	B			B	B	B	B		B	D		D			D	A	A			D			
NBR		B		A	A	A	C	A	A	B	A	A	C	A	A	A	C	C	A	A	C	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	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	A		D	B		A	A	A			A			A
EPDM		B	B		D	C	C		D		D	D		D	D	D		D	D	D	D	D		D	A		A	B		A	B	A			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	A		D	A		A	A	A			A			A

Fluid Name	Glycol Amine	Glyco, Diethylenel	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
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	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	Hexamethyldisilizane (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
Formula	$CF_3CHBrCl$								He	$C_{10}H_7Cl_7$	$C_6H_{13}CHO$		$CH_3(CH_2)_5CH_3$	$CH_3(CH_2)_5COOH$		$Cl_3CCOCCl_3$	$Cl_2C : CClCCl : CCl_2$	Cl_3CCCl_3	$C_{16}H_{34}$		C_2F_6	$CH_3(CH_2)_4CHO$	$(CH_3)_3SiNHSi(CH_3)$	$H_2N(CH_2)_6NH_2$	$(CH_2)_6N_4$		$CH_3(CH_2)_4CH_3$		$CH_3(CH_2)_3CH : CH_2$		$CH_3COOC_6H_{13}$	$CH_3(CH_2)_4CH_2OH$	$(CH_3)_2COHCH_2CHOHCH_3$	$C_6H_{13}C_6H_{13}(OH)_2$			
Aluminum			B	A					B			A														A		A								
Brass			B	B					B			A														B		A								
Carbon Steel			B	B	A				B			B														B		A								
Alloy 600												A														A										
Alloy 400/450(Monel®)									B			B														B		A								
Alloy 20									A			A														A		A								
Alloy C 276 (Hastelloy®)									A			A														A		A								A
Titanium												A														A										
Cast Iron									B			B														B		A								
316 Stainless Steel			A	A					A			A														A		A								
630 Stainless steel																																				
Carpenter 20®									A			A														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		A								
Polyethylen(PE)																																				
POM (Delrin®)			C	C	C				A			A														A		A								
PCTFE (Kel-F®)																										C										
PEEK									A			A														A		A								
PVDF												A					A	A							C	A		A								A
UHMWPE									A			C														D		A								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	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	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	B	A	A	B	B		A	A	A		A	A	A	A	A	A	
Grafoil®									A			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			D				A	A		A	D		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 Dihydrochloride	Hydrazine Hydrate	Hydriodic 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 Acid100%	Hydrofluosilicic Acid	Hydrofluosilicic Acid 20%	Hydrofluosilicic Acid 100%	Hydrogen, Gas
Formula													H_2NNH_2		$N_2H_4 : 2HCl$	$NH_2NNH_2 : HOH$	HI	HBr				HCl	HCl	HCl	HCl	HCN	HCN	HF	HF	HF	HF	HF	HF				H_2
Aluminum					A	A		D		A	A		C					D				D				A		D						D			
Brass					C	C			A	A	B		D					D				D				D		D						A			
Carbon Steel	A	A			A	A	A	A	B	A	A							D				D				D		D						D			
Alloy 600											A											D				A		D									
Alloy 400/450(Monel®)											A		D					D				B				C		B						B			
Alloy 20											A		B									D				A								B			
Alloy C 276 (Hastelloy®)											A	A							A	C			A	B	A	B		B	B	B	B		B		B	B	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
Nylon																		D				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		
PVDF											A	A	C					A				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		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	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
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	A	A			A
Grafoil®											A																								A			
Silicone			C	B							D		C	B				D			D	D		C	D	C		D		D		D	D	D			C
Fluorosilicone			B	B							A		D	D				C			A	D		B	C	B		D		D		D	D	D			C

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	Hydyne	HYJET	Hypo (Sodium Tiosulfate)	Hypochlorous Acid	Hypoid Lubes, Gear Oils
Formula			HBr	HCl			HF	HI			H_2O_2						H_2O_2			H_2Se	H_2S						$C_6H_4(OH)_2$	$CH_2OHCOOH$		$(CH_3)_2C(OH)(CH_2)_2CH(CH_3)CH_2CHO$	$NH_2(CH_2)_2NH(CH_2)_2OH$				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	D
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				A	B	A		A	A	D	A				A	A	A	B	D
Kalrez®			A	A			B	A				A	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		B				C				D	B	B	B				D	D			D
Fluorosilicone														D	D		B				C				A	B	B	D				D	D			D

Fluid Name	Illuminating Gas	Ink - Newsprint	Iodine	Iodoform	Iron Pyritic Acid	Iron Sulfate Solution	Iso - Butane	Iso - Butyl Alcohol	Iso - Butyl Methyl Ketone	Iso - Butylene	Iso - Butyraldehyde	Iso - Cyamate	Iso - Octane	Iso - Pentane	Isopropyl Acetate	Isopropyl Alcohol	Isopropyl Benzene	Isopropyl Chloride	Isopropyl Ether	J P - 4 Fuel	J P - 5 Fuel	J P - 6 Fuel	Kerosene	Ketchup	Ketones
Formula			I_2													$(CH_3)_2CHOH$									
Aluminum	A	C	D	C									A			B			B	A	A	A	A	D	A
Brass	A	C	D	C									A			B			A	A	A	A	A	D	A
Carbon Steel	A	D	D	B									A			A			A	A	A	A	B	D	A
Alloy 600	A		D	B												A									
Alloy 400/450(Monel®)	A	B	B	C									A			B			B	A	A	A	A	B	A
Alloy 20	A	A		A			B						A		A				A	A	A	A	A	A	A
Alloy C 276 (Hastelloy®)	A		B	B												A			A	A	A	A	A		
Titanium	A		D	A									A			A			A	A	A	A	A	A	A
Cast Iron	A	D		C									B						B	B	A	A	B	D	A
316 Stainless Steel	A	A	B	A			B						A		B	B			A	A	A	A	A	A	A
630 Stainless steel																									
Carpenter 20®	A	A		A			B						A		A				A	A	A	A	A	A	A
PTFE/PFA (Teflon®)	A	A	A	A			A						A		A	A			A	A	A	A	A	A	A
Nylon		A																							
Polyethylen(PE)			C																				B		
POM (Delrin®)	A	A	A	A			D						D		A	B			A	A	A	A	A	A	A
PCTFE (Kel-F®)																									
PEEK	A	A		A			A						A		A				A	A	A	A	A	A	A
PVDF			A	A									A			A			A				A	A	
UHMWPE		A		A			A						A						A	A	A				A
TPE																									
Poly Acrylate																									
Poly Urethane																									
NBR	C	A	B				B						A		D	C			B	A	A	A	A	A	D
FPM (Viton®)	D	A	A	A			A						A		B	C			A	A	D	B	A	B	A
Neoprene	D	A	B	C			A						D		C	C			C	C	C	C	C	B	D
EPDM	D	B	A	B	A	A	B	A	A	D	A	A	D	D	B	A	D	D	B	B	A	B	D	D	C
Kalrez®	A	A		A			A						A								A				
Grafoil®	A	A		A			A						A		A				A	A	A	A		A	A
Silicone																									
Fluorosilicone																									

Fluid Name	Lactic Acid Concentrated cold	Lactic Acid Concentrated hot	Lactic Acid Dilute cold	Lactic Acid Dilute hot	Lactose	Lard	Lactic Acid	Latex	Laquer(and Solvent)	Lactic Acid	Lard	Latex	Lead Acetate	Lead Sulfate	Lecithin	Lead Acetate Salt Soolution	Lead Nitrate Solution	Linseed Oil	Linoleic Acid	Lithium Chloride	Lime Water(Milk of Lime)	Lindol	Linseed Oil	Lithium Bromide Brine	Lithium Hydroxide	Liard Oil	LPG	Lubricating Oil Petroleum Base	Ludox	Lube Oil(SAE)10,20,30,etc..	Lyes(alkaline)
Formula													$Pb(C_2H_3O_2)_2$	$PbSO_4$			$Pb(NO_3)_2$														
Aluminum	C	C	A	B	B	A	A	A	A				D	D	C			A		D						B	A	A	D		
Brass	D	D	D	D	B	B	D	A	B				C	C	C			B		B						B	A	B	D		
Carbon Steel	D	D	D	D			D	B	C				D					A								C	B	A			B
Alloy 600							A																								
Alloy 400/450(Monel®)	D	D	C	D	B		B		B				B	B	B			B		B						B	B	B	B		
Alloy 20	A	A	A	A	B	A			A				B	B	B			A		A						A	B	A	B		
Alloy C 276 (Hastelloy®)	A	B	A	B			B																								
Titanium							A																								
Cast Iron	D	D	D	D	C	A			C				D	D	C			A		B						C	B	A	B		
316 Stainless Steel	A	B	A	A	B	A	B	A	A				B	B	B			A		B						B	B	A	B		
630 Stainless steel	D	D	B	D																											
Carpenter 20®	A	A	A	A	B	A			A				B	B	B			A		A						A	B	A	B		
PTFE/PFA (Teflon®)	A	A	A	A	A		A	A	A		A		A	A	A			A	A	A						A	A	A	A		A
Nylon	A																														
Polyethylen(PE)							B																								
POM (Delrin®)	D	D	D	D	A		D	A	A		A		A	A	A			A	A	A						A	A	A	B		A
PCTFE (Kel-F®)																															
PEEK	A	A	A	A	A				A		A		A	A	A			A	A	A						A	A	A	A		
PVDF					A		A						A	A				A	A	C					C						
UHMWPE	A	A	A	A							A		A					A								A		C			
TPE																															
Poly Acrylate									D	D	A	D				D				D	D	D	A	D	D		C			A	
Poly Urethane									D	D	A	D				D				D		D	B	D	D		A			A	
NBR	B	C	B	C	B		C	D	D	A	B	A	A	B	D	C	A	A	B	B	A	D	A	A	D	A	A	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	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	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	Magnesium Salts	Magnesium Sulfate	Magnesium Sulfite	MALATHION	Magnesium sulphate(Epson Salts)	Magnesium sulphate	Magnesium Hydroxide Hot	Magnesium Nitrate	Maleic Acid	Maleic Anhydride	Maleic Hydrazide	Malic Acid	Mandelic Acid	Manganese Acetate	Malt (from barley)	Margarine	Malt Beverages	Maganese Chloride	Marsh Gas	Manganese Carbonate	Manganese Dioxide	Manganese Gluconate	Manganese Hypophosphite	Manganese Linoleate	Manganous Phosphate	Manganous Sulfate,Aqueous	Mannitol	MEA(Ethanolamine)	Manganese Sulfate
Formula				$MgCO_3$	$MgCl_2$		$Mg(OH)_2$	$(CH)_2$		$MgSO_4$	$MgSO_3 : {}_6HOH$			$MgSO_4 : 7H_2O$	$Mg(OH)_2$	$Mg(NO_3)_2 : 6H_2O$	$(HCCOOH)_2$	$COCO(CH)_2O$	HCCHC(O)NHNHCO	$COOHCH_2CH(OH)COOH$	$C_6H_5CHOHCOOH$	$Mn(C_2H_3O_2)_2$				$MnCl_2 : 4H_2O$	$MnCO_3$		$MnCO_3$	MnO_2	$Mn(C_6H_{11}O_7)_2 : 2HOH$	$Mn(H_2PO_2)_2 : HOH$	$Mn(C_{18}H_{31}O_2)_2$	$Mn3(PO4H)2 : 7HOH$	$MnSo_4 : 4HOH$	$C_6H_8(OH)_6$	$HO(CH_2)_2NH_2$	
Aluminum		B	C	B	D	D	D	D		B				B	D	B	B	B		B								B								B
Brass		B	D	B	B	B	B			B				B	D		B	B		B																B
Carbon Steel		B			C	B	B	B		B				C	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	A
Nylon					C		D			A					D																					
Polyethylen(PE)					B	B				B																										
POM (Delrin®)		A	A	A	A	A	A	A		A				A	A	A	A	C		A				A	A			A						C		A
PCTFE (Kel-F®)																																		A		
PEEK		A	A	A	A		A			A					A	A	A	A		A					A			A						A		A
PVDF				A	A		A		A					A		A	A			A																
UHMWPE				B	A		A			A					A	A	A			B																
TPE					C		C																													
Poly Acrylate	D						D						D				D								D	D	A								
Poly Urethane	D				A		D										D								B	B	B								
NBR	D	B	B	B	A	A	B	A	A	A	A	B	A	B	B	B	D	D		A			C	A	A	A	A	B						B	D	B
FPM (Viton®)	D	B	B	B	A	A	B	A	A	A	A	A	A	A	A	B	A	A		A			C	C	A	A	A							D	D	B
Neoprene	D	B	B	B	A	A	B			A			A		B	A	D	D		B					A	A	D							A		B
EPDM	A	B	B	B	A		A	A	A	A	A	D	A	A			D	D		D			C		B	A	D							D	B	B
Kalrez®					A		A		A	A	A	A			A		A	A	A	A	A	A						A	A	A	A	A	A	A	A	A
Grafoil®		A	A	A	A		A			A					A	B	A	A		A					A			A						A		A
Silicone	D				A				A	A	A	D	A				D			B					A	A	D								B	
Fluorosilicone	D				A				A	A	A	B	A							A					A	A	A								D	

Fluid Name	Mayonnaise	Meat Juices	Melamine	Melamine Resins	Mercaptans	Mercuric Chloride	Methanol	Mercaptobenzothiazole(MBT)	Mercuric Acetate	Mercuric Chloride	Mercuric Chloride (dilute)	Mercuric Cyanide	Mercuric Iodide	Mercuric Nitrate	Mercuric Sulfate	Mercurous Nitrate Hydrated	Mercurous Nitrate	Mercury	Mercury Fulminate	Mercury Vapor	Mesityl Oxide	Metaldehyde	Methacrylic Acid	Methanol Std,fluorocarbon not satisfactory	Mercury	Methane	Methanethiol	Methoxychlor	Methyl Abietate	Methyl Acetate	Methyl Acetoacetate	Methylacetophonone	Methyl Acrylate	Methylal	Methyl Alcohol(Methanol)	Methylallyl Chloride	Methane
Formula								CCHCHCHCHCCSC(SN)N	$Hg(C_2H_3O_2)_2$	$HgCl_2$		$Hg(CN)_2$	HgI_2	$Hg(NO_3)_2$	$HgSO_4$	$HgNO_3 : 2HOH$		Hg	$Hg(CNO)_2$	Hg	$(CH_3)_2 : CHCOOCH_3$	$(CH_3CHO)_6$	$H_2 : C(CH_3)_2 : COOH$		Hg	CH_4	CH_3SH	$CL_3DDH(C_6H_4OCH_3)_2$	$C_{19}H_{28}COOCH_3$	$CH_3CO_2CH_3$	$CH_3COCH_2CH_3$	$CH_3C_6COCH_3$	$CH_2 : CHCOOCH_3$	$CH_3OCH_2OCH_3$	CH_3OH	$CH_2 : C(CH_3)CH_2Cl$	CH_4
Aluminum	D	B		B			B			D		D					D	D						D	A											A
Brass	D	D					B			D		D					D	D						D	A											A
Carbon Steel	D									D		D						A						A	B											B
Alloy 600																		A							A											
Alloy 400/450(Monel®)	B						B			D		C					D	B							B											
Alloy 20	A	A		C			A			B		A					A	A							A											
Alloy C 276 (Hastelloy®)	A									B	C	B						B							A											
Titanium												A						D							A											
Cast Iron	D			D			B			D		D						A							B											
316 Stainless Steel	A			C			A			B		B					A	A						A	A											B
630 Stainless steel																																					
Carpenter 20®	D	A		C			A			B		A					A	A							A											
PTFE/PFA (Teflon®)	A	A	A	A		A		A		A	A	A					A	A		A	D		B		A	B				D	D		D		A		
Nylon						C												A																			
Polyethylen(PE)																		B																			
POM (Delrin®)	A			A		A						A					A	A						A	A									B		
PCTFE (Kel-F®)						A																															
PEEK	A	A		A		A						A					A	A							A											
PVDF						A								A				B					A		A								A				
UHMWPE	D	A				A					A	A					A	A																			
TPE											B							B																			
Poly Acrylate				D	D																D		D														
Poly Urethane	D			D	D																D		D														
NBR	A	B	C	B	D	A		C		A	A	A						A		A	D		C	A	A	A			D	D		D		A		
FPM (Viton®)	A		A		D	A		A		A	A	A					B	A		A	D		C	A	A	A			D	D		D		B		
Neoprene	D	B		B	D	A						B						A			D			A		B										
EPDM	D			A	A	A		A		A		A						A		A	B		B	A	A	D			B	B		B		A		
Kalrez®						A		A	A	A		A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	A	A	A	A	A	A	A	
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℃	Methanol up to+64℃	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	Methylbromide 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_3CH									CH_3Cl	CH_3NH_2	$CH_3COOCH(CH_3)CH_2CH(CH_3)_2$	$(CH_3)_2CHCH_2CH(CH_3)OH$	$(CH_3)(CH_2)_4CHOHCH_3$	$H_2NC_6H_4CO_2CH_3$	$C_6H_5COOCH_3$	$C_6H_5CH(CH)OH$	CH_3Br	$(CH_3)_2CSH(C_2H)_5$	$CH_3COC_4H_9$	$CO(OCH_3)_2$			$ClCH_2COOCH_3$		$ClCOOCH_3$	CH_3ClSi	$CH_3C_6H_9CO$	$C_5H_9CH_3$	CH_2Br_2	CH_2Cl_2	CH_2I_2					
Aluminum	B			B		B	B			D	B											C		A								C					A
Brass	B			A		A	B			B	D											C		A								A					A
Carbon Steel	B	B	B	B		A	B			B	B													B								B					A
Alloy 600				A			A			B	A																					A					B
Alloy 400/450(Monel®)				B		A	A			B	C											B		B								B					A
Alloy 20				A		A				A	A											A		A								A		A			A
Alloy C 276 (Hastelloy®)	A			A			A	A		B	B												B	B								B		B			B
Titanium				A		A	A				B																					A					A
Cast Iron				B		A				B	B											D		B								B					A
316 Stainless Steel	B			A		A	B			A	A											B		A								B		A			A
630 Stainless steel																																					
Carpenter 20®				A		A				A	A											A		A								A		A			A
PTFE/PFA (Teflon®)	A	A	A	A		A	A	A	A	D						B		B	A	D	B	A	A	A		D	A			B		A	A	A		D	A
Nylon				A		A				A																						A	B				A
Polyethylen(PE)										B																						C					
POM (Delrin®)	B			B		B	A			A												A										A	A	A			A
PCTFE (Kel-F®)				A						C																											A
PEEK				A		A				A												A										A	A	A			A
PVDF	C				A		C		A	B	D							A							B						C	D				D	D
UHMWPE	A			B				A	C	D												D										D					D
TPE	B							B																								D					
Poly Acrylate				D	D				C	D																						D	D				D
Poly Urethane				D	D					D																						D	D				D
NBR	B	C	A	D	D	D	A	A	B	D						D		B	D	D	D	B	C	B		D	D			D	B	D	C	D	D	A	D
FPM (Viton®)	D			D	D	D	D	C	A	D						A		A	A	D	A	B	D	D		B	A			A	A	B	D	D	A	A	D
Neoprene				D	B	D	A		D	C												D										D	D	B			D
EPDM	A			B	A	A			D	D						D		D	D	A	D	D	B	B		D	D			D	D	D	B	B		B	A
Kalrez®				A						A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		A	A
Grafoil®				A		A				A												A										A	A	A			A
Silicone				D	D					D						D			D	D	D		D	B		D	D			D		D	D			A	D
Fluorosilicone				D	D				A	D						A		A		D	B		D	D		B	B			B	A	C	D			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	Metylysulfuric Acid	MMethyltertiary 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 I Fuel
Formula		$CH_3COCH_2CH_3$	$C_8H_{16}O_4$	$HCOOCH_3$	$CH_3COC_6H_{13}$	CH_3I	$(CH_3)_2CHCH_2COCH_3$	CH_3NCO		$CH_3COCH(CH_3)_2$	$CH_3CHOHCOOCH_3$		$CH_2:C(CH_3)COOCH_3$	$CH_3(CH_{17})COOCH_3$	C_5H_{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	A	
Nylon																																				
Polyethylen(PE)																																				
POM (Delrin®)				A					A																											
PCTFE (Kel-F®)				A																																
PEEK				A					A																											
PVDF							D						A						A			C														
UHMWPE		B							C	D												A														
TPE		B							B																											
Poly Acrylate	D			D					D														D	D												
Poly Urethane	D			D					D														D	D												
NBR	D	D	D	D			D		D	D			D	D					D		C	B	D	D	A	B	B	A	A	A	C	B	B	B	B	A	A
FPM (Viton®)	A	D	D	D			D		D	D			D	A				B			D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Neoprene	D			D					D														D	D												
EPDM	D	A	D	B			C		C	B		A	D	B				B	B		C		D	D					D	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
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 - 3136Type V Oil,MediumSwell	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℃	Mining sewage	Mineral Spirits	Mixed Acide(cold)	Mixed Acid Etchants	MLO - 7277,7557	MLO - 8200,8515(MIL - H - 8446)	MOBIL DELVAC1100,1110,1120,1130	MOBIL HF	MOBIL MIVAC 20,30	MOBIL THERM 600	MOBILJET II Lucricant	Molybdenum Disulfide Grease	Monomethyl Hydrazine	Monomethylaniline	Monovinyl Acetylene	MOPAR BRAKE FLUID	Myristic Acid	Molasses	Monoethanolamine	Monochloracetic Acid	Monochlorobenzene	Monoethanolamine(MEA)	Mononitrochlorobenzene	Molasses, crude
Formula																	HNO₃/HF/CH₃COOH(3/1/2)																				
Aluminum								B			A	A			A	D							A														B
Brass								D			B	B			B	D							A														A
Carbon Steel								D	A	A	D	B	A	A	B	C							C														A
Alloy 600								A															A														
Alloy 400/450(Monel®)								B			B	A			B	C							A														A
Alloy 20											A	A			B	B																					A
Alloy C 276 (Hastelloy®)								A							B								A														
Titanium																																					
Cast Iron											D	B			B	C																					A
316 Stainless Steel								A			A	A			B	B							A														A
630 Stainless steel																																					
Carpenter 20®											A	A			B	B																					A
PTFE/PFA (Teflon®)						B	B	A	A	A	A	A	A	A	A	A	C	A	A	A	B	A	A		A	B	B	C	A		A	A				A
Nylon											A	A				C															B						A
Polyethylen(PE)								C				A																			B						
POM (Delrin®)								B	A	A	A	A	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	B	D	A	C		A	B	D	D	D	D	A
FPM (Viton®)	A	A	A	A	A	A	A	A	C	C	A	A	A	A	A	B	C	A	A	A	A	A	A		A	D	B	A	D		A	D	D	A	D	A	A
Neoprene								A			A	B			C	D															A		D	D	D	D	A
EPDM	D	D	D	D	D	D	D	A			A	C	C		D	D	D	D	D	D	D	A	D		D	A	D	A	A		A		A	D	A	D	
Kalrez®	A	A	A	A	A	A	A	A				A					A	A	A	A	A	A	A	A	A	B	A	A	A	A							
Grafoil®											A	A			A																						A
Silicone	D	D	D	B	C	D	D	A				B			D		D	C	A							D		B	C		A		B	D	D	D	
Fluorosilicone	B	B	B	A	A	B	B	A				A			A		D	C	A										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	Naptha	Naphthalenesulfonic Acid	Naphtha	Naphthalene	Naphthenic Acid	Naphthylamine	Napthatine	Natural Gas +100°C	Natural Gas, Sour	Neats Foot Oil	Neon	Neville - Winter Acid	Niacinamide	Nickel Acetate	Nickel Ammonium Sulfate	Nickel Chloride	Nickel Cyanide	Nickel Nitrate	Nickel Sulphate	Nickel Sulfate	Nicotine	Nickel Acid	Nitric Acid,(concentrated)	Nitrating Acids	Nitric Acid (5 - 10)%	Nitric Acid (0 - 50%)	Nitric Acid (10 - 50%)	Nitric Acid 10%	Nitric Acid 20%	Nitric Acid 30%	Nitric Acid 50%	Nitric Acid 70%	Nitric Acid 80%	Nitric Acid 100%	Nitric Acid Fuming	Nitric Acid Red Fuming	p - Nitroaniline
Formula		$C_{10}H_7SO_3H : HOH$		$C_{10}H_8$						Ne			$C_5H_4NCONH_2$	$Ni(C_2H_3O_2)_2$	$NiSO_4(NH_4)_2SO_4 : 6HOH$	$NiCl : 6H_2O$	$Ni(CN)_2 : 4HOH$	$Ni(NO_3)_2 : 6H_2O$	$NiSO_4 : 6H_2O$	$NiSO_4$	$C_5H_4NC_4H_7NCH_3$	HNO_3				HNO_3					HNO_3					$HNO_3 / NO_2 / H_2O$	$NO_2C_6H_4NH_2$
Aluminum	A			B			B		B						D	D		C	D	D		B						D		D			D	D			
Brass	B			B			B		B						D	D		D	C	D		D						D		D			D	D			
Carbon Steel	B			B			B	A	B						D	D		D	D	D		B						D		D			D	D			
Alloy 600	A			B												D		B	B									D		C			A	A			
Alloy 400/450(Monel®)	B			B					D						C	B		B	A	B		A						D		D			D	D			
Alloy 20	B			B					A						A	A		A		A		A						A		A			B	A			
Alloy C 276 (Hastelloy®)	A		B	A					A							A		B	B	B			B		A			A	A	A	A		A	D			
Titanium	A			A												A		A										A		A			B	B			
Cast Iron	B			B					B						D	D		D		D		C						D		D			D	D			
316 Stainless Steel	A			B			B		A						A	B		B	B	B		A						A		A			A	A			
630 Stainless steel																												A		D			D	D			
Carpenter 20®	B			B					A						A	A		A		A		A						A		A			A	A			
PTFE/PFA (Teflon®)	A		B	C	A		A	A	A	A	A	A		D	A	A		A		A		A	A		A	B		A	A	A	A	C	A	A		C	
Nylon	A			A					A						A	C				A								D		D			D	D			
Polyethylen(PE)																B			B																		
POM (Delrin®)	A			A			A	A	A						C	D		C	A	C		D						D		D			D	D			
PCTFE (Kel-F®)															A													A		A			A	A			
PEEK	A			A					A						A	A		A		A		A						A		A			D	D			
PVDF		A	A	A				A	A									A	A				A														
UHMWPE	D		A	D					A							A		A		A		A	C		B			A		A	B		D	D			
TPE			B	B																			D		C				D		D						
Poly Acrylate	A		A					A		A						C				D		D	D			D								D			
Poly Urethane	A		A	B				B		A						C				C		D	D			D								D			
NBR	B		A	D	D		D	A	A	A	A	D		B	A	A			A	A		D	D	D	D	D	D	C	D	C	D	D	D	D	D	D	
FPM (Viton®)	A		A	A	A		A	A	A	A	A	A		D	D	A		A	A	A		D	D	A	A	A	A	A	A	A	A	B	B	B	B	C	
Neoprene	D		D	D				B	A	D					B	B		A	A	A		D	D	D			D	B		C			D	D	D		
EPDM	D		D	D	D		D	D	D	B	A	B		A	B	A		A		A		D	B	A		C	A					D	D	D	D	D	
Kalrez®	A	A		A	A	A		A	A	A	A	A	A	A	A	A	A	A		A	A					A		A		A		A	A	A		A	A
Grafoil®	A			A					A						A	A		B		A		A						A		B			C	D			
Silicone	D		D	D	D			D		B	A	D		D		A				A		D	D			B	D					D			D	D	
Fluorosilicone	B		A	A	A			C		A	A	B		D		A				A		D	D			B	D		A		A	D			D	D	

Fluid Name	Nitric Acid Anhyd.	Nitric Acid Anhydrous	Nitrobenzene	p - Nitrobezoic Acid	Nitrocellulose	Nitroethane	Nitrogen	Nitrogen Dioxide	Nitrogen Oxides	Nitro Methane	Nitrobenzene	Nitro dilution	Nitrogen Gas	Nitrogen Teroxide	Nitrogen Teroxide.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			$C_6H_5NO_2$	$C_6H_4(NO_2)COOH$		$CH_3CH_2NO_2$	N_2	NO_2	Nox		$C_6H_5 - NO_2$			N_2O_4		NF_3	$CH_2NO_3CHNO_3CH_2NO_3$	CH_3NO_2	$NO_2C_6H_4OH$	$CH_3CHNO_2CH_3$	NOCl	HNO_5S	$NO_2C_6H_4CH_3$	$NO_2C_6H_4CH_3$	HNO_2			N_2O	$CH_3NCH_2CH_2CH_2CO$	$CH_{23}(CH_2)CH_3$
Aluminum	D	B	C				A				C															D	B	C		
Brass	D	D	D				A				D															D	D	B		
Carbon Steel	A	D	B				A					A														D	B	B		
Alloy 600	A		A				A																					D		
Alloy 400/450(Monel®)	D	D	B				A																			D	D	D		
Alloy 20		A	A				A																			B	A	B		
Alloy C 276 (Hastelloy®)	B		B				A																		D			B		
Titanium	D						A																							
Cast Iron		C	B				A																			D	C	C		
316 Stainless Steel	A	A	A				A				A															B	A	B		
630 Stainless steel		D																												
Carpenter 20®		A	A				A																			B	A	B		
PTFE/PFA (Teflon®)	A	A	A				A				A	A		C				C		B					A	A	A	A		
Nylon		D	A				A																					A		
Polyethylen(PE)							A																							
POM (Delrin®)		D	B				A				D															B	B	A		
PCTFE (Kel-F®)			A																											
PEEK		D	A				A																			A	A	A		
PVDF			C			C			A								A	C												
UHMWPE			D				A																					C		
TPE			D																											
Poly Acrylate			D							D			A		D															
Poly Urethane			D							D			A		D															
NBR		D	D			D	A			D	D	C	A	D	D			D		D						C		B		
FPM (Viton®)		A	B			D	A	D		D	C	C	A	D	D			D		D					B	A		A	B	
Neoprene	D	D	D				A			D			A		D											A		B		A
EPDM		D	D			B	B			A	D	C	A	D				B		B								B		
Kalrez®			A	A	A	A	A	A	A					B		A	A	A	A	A	A	A	A	A	A	A		A	A	A
Grafoil®		D	A				A																			A	A	A		
Silicone			D			D	A			D			A	D	D			D		D								A	B	
Fluorosilicone			D			D	A			D			A	D	D			D		D									B	

Fluid Name	Octachloro Toluene	n - Octadecane	Octafluorocyclobutane	Octafluoropropane	Octanal	n - Octane	n - Octyl Acetate	n - Octyl Alcohol	n - Octyl Chloride	Oils&Fats	Oils, Animal	Oils, Petroleum Refined	Oils, Petroleum Sour	Oils, Water Mixture	Oil, Air Force Hydraulic,MIL - H5606B	Oil, Aaphalt Base	Oil, Bunker C Fuel Oil	Oil, Caster	Oil, Chinawood	Oil, Coconut	Oil, Corn	Oil, Cottonseed	Oil, Cude(Asphalt Base)	Oil, Cude(Corrosive)	Oil, Cude(Paraffin Base)	Oil, Cude(Sweet)	Oil, Cutting Soluble	Oil, Diesel	Oil, Domestic Fuel	Oil, Fuel&Gas	Oil, #6Fuel Oil	Oil, Hydraulic	Oil, Linseed	Oil, Lubricating	Oil, Mineral	Oil, Nut	Oil, Olive
Formula		$C_{18}H_{48}$	C_4F_8	C_3F_8	$CH_3(CH_2)_6CHO$	$CH_3(CH_2)_6CH_3$	$CH_3COO(CH_2)_7CH_3$	$CH_3(CH_2)_6CH_2OH$	$CH_3(CH_2)_6CH_2Cl$																												
Aluminum										B	A	A	A	A																						
Brass											A	B	C	A																						
Carbon Steel											A	A	B	B																						
Alloy 600																																				
Alloy 400/450(Monel®)											B	A	A																							
Alloy 20										A	A	A	A	A																						
Alloy C 276 (Hastelloy®)											A	A	A	A																						
Titanium																																				
Cast Iron											A	A	C	B																						
316 Stainless Steel										A	A	A	A	A																						
630 Stainless steel																																				
Carpenter 20®										A	A	A	A	A																						
PTFE/PFA (Teflon®)		A						A		A	A	A	A	A																						
Nylon										A	A	A	A	A																						
Polyethylen(PE)																																				
POM (Delrin®)										A	A	A	A	A																						
PCTFE (Kel-F®)																																				
PEEK										A	A	A	A	A																						
PVDF											A																									
UHMWPE																																				
TPE																																				
Poly Acrylate															A	B	A	A		A	A	A	B	B	B	B	A	A	A	A	A		A	A	A	A	A
Poly Urethane															B	B	A	A	C	A	A	A	B	B	B	B	A	A	A	A	A	A	B	A	A	A	A
NBR	D	A				B		B		B	A	A	B	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A
FPM (Viton®)	A	A	B			A		A			B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Neoprene											B	B	B	B	D	D	D	A	B	A	C	C	D	D	D	D	C	D	D	D	C	D	C	D	D	D
EPDM	D	D	A			D		A		D	B	D	D		D	D	D	B	D	D	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Kalrez®	A	A	B	B	A	A	A	A	A			A	A	A																						
Grafoil®										A	A	A	A	A																						
Silicone	D	D				D		B							D	D	D	A	D	B	A	A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Fluorosilicone	B	A				B		B							A	B	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Fluid Name	Oil, Palm	Oil, Paraffin Base(Petroleum)	Oil, Peanut	Oil, Petroleum(Crude)	Oil, Pine	Oil, Quenching	Oil, Rapeseed	Oil, Silicone	Oil, Soya Bean	Oil, Tall	Oil, Transformer	Oil, Vegetable types(Food Service)	Oil, Vegetable types(Not - Food Service)	Oil, and Freon11&12&114	Oil, and Freon 22(Low Aniline Oil)	Oil, and Freon 22(High Aniline Oil)	Oil - Water emuision	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	Orthodichiorobenzene	OS 45and OS - 45 - 1	Oxalic acid	Oxalic Acid	Oxygen, gasenous, low pressure	Oxygen, Gas (Hot)	Oxygen, Liquid	Ozonated Deionized Water
Formula																					$CH_3(CH_2)_7CH:CH(CH_2)_7COOH$					$CH_3(CH_2)_7CH:CH(CH_2)_8OH$					$C_{10}H_{33}COOH$	$HOOCCOOH:2HOH$			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	D			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	D	D	D			A			D							D	D			B			
Poly Urethane	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	A	D	D	A		A		B	D	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	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	D	A	A	A		D	D	A	A	A			D		D	D			D		B		A	D	A		B	A			
EPDM	D	D	D	D	D	D	D	A	D	D	D	D	D	D	D	D			D		D	D	D		D		B	D	D	D	D	D	A	A	D	D	B
Kalrez®																				A	A	A	A			A	A						A		A	B	A
Grafoil®	A																				A						A						A				
Silicone	D	D	D	D	D	D	D	D	D	A	A	D	D	D	D	D			D		D	D	D		D		C	D	D	D	D		B	A	B		
Fluorosilicone	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D			A			D	B		B		A	B	A	B	B		A	A	A		

Fluid Name	Oxygen, Liquid	Oxalic acid (cold)	Oxygen	Oxygen	Oxygen	Oxygen gas, +60℃(oxygen)	Oxygen max,+60℃	Ozone, dry	Ozone, wet	Ozone	Ozone(High Concentration)	Ozone(High Concentration Dynamic)
Formula				O_2	O_3					O_3		
Aluminum			A		B			A	B			
Brass			A	A	B			A	B			
Carbon Steel			B	B	C	A	A	A	C			
Alloy 600			A					A	A			
Alloy 400/450(Monel®)			A					A	A			
Alloy 20			A					A	A			
Alloy C 276 (Hastelloy®)		B	A					A	A			
Titanium												
Cast Iron			B					A	C			
316 Stainless Steel												
630 Stainless steel			A	A	A			A	A			
Carpenter 20®			A									
PTFE/PFA (Teflon®)			A					A	A			
Nylon		A	A	A	A	A	A	A	A	A		
Polyethylen(PE)			D					D	D			
POM (Delrin®)			D	D	D	A	A	C	C			
PCTFE (Kel-F®)								A	A			
PEEK			A					A	A			
PVDF										A		
UHMWPE		A	A					C	C	A		
TPE		D								C		
Poly Acrylate	D										A	A
Poly Urethane	D										A	A
NBR	D	D	B	D	D	A	A	D	D	D	C	C
FPM (Viton®)	D	A	A	B	A	A	A	B	B	A	A	A
Neoprene	D		A					C	C		B	B
EPDM	D		A	D	A			A	B	A	D	D
Kalrez®			A							A		
Grafoil®			D									
Silicone	D									A	A	D
Fluorosilicone	D									A	A	D

Fluid Name	Paints&Solvents	Paint Thinner - DUCO	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	Pentasol	Pentachloro Phenol	Perchloroethylene	Petrolatum	Petrolatum <121 °C/250°F	Petrolatum >121 °C/250°F	Petroleum, Crude	Peroxide of Hydrogen	Perchloroethylene	Petroleum Ether (Ligarine)
Formula			$CH_3(CH_2)_{14}COOH$								$C_6H_{12}O_3$		$(C_2H_5O)_2P(S)OC_6H_4NO_2$		$CH_3(CH_2)_7COOH$			$(CH_3)_2C_5H_3NSO(COOH)NHCOR$		$CHCl_2CCl_3$	C_6Cl_5OH	$C(CH_2OH)_4$	$C(CH_2ONO_2)_4$	C_2HF_5	$CH_3(CH_2)_3CH_3$	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			D	C	A	B	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		D	B	C	B	A	A	D	A	A
FPM (Viton®)	B	B	A	B	C	A		A	B			D		A			A	C	A			A			A		A	B	A	A	A	A	B	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			A			D		B	B	A	D	D	D	D	D		A	A
Kalrez®		A	A			A				C	A	B	A	A	A			A		A	A	A	A	A	A				A	A	A	A	A			
Grafoil®	A		A			A		A	A	A						A																				
Silicone		D	D			B		D				D		A			A	A	D						D		D	D		D	D	B	D	D		B	D
Fluorosilicone		B	A			A		A				D		A			A		A						C		A	A	B	B	A	B		A		B	A

Fluid Name	Petroleum Ether,Liquified(UL approved)	Phenol	Pentane	Pentane	Petroleum	Parez607	Perchlorethylene,dry	Petrolatum(Vaseline Petroleum Jelly)	propulsion fuel = JP - 4	Perchloroethylene	Petrol(pure)	Petroleum	Petroleum crude	Phenethy Alcohol	Phenetole	Phenolsulfonic Acid	Phenylacetamide	Phenyl Acetate	Phenylbenzene	p - Phenylenediamine	Phenylethyl Ether	Phenylhydrazine	Phenylmercuric Acetate	Phenol 10%	Phenylacetic Acid75%	Phenylcellosolve	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}										$C_6H_5CH_2CH_2OH$	$C_6H_5OC_2H_5$	$HOC_6H_4SO_3H$	$C_6H_5CH_2CONH_2$	$C_6H_5OOCCH_3$		$C_6H_4(NH_2)_2$		$C_6H_5NHNH_2$	$C_6H_5HgOCOCH_3$				$(CH_3)_2CCHCOCHC(CH_3)_2$	$COCl_2$	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	B	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	A	A			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	A	A			A	
Kalrez®		A	A				C							A	A	A	A	A	A	A	A	A	A				A	A	A	A		A	A	A	A	A
Grafoil®		A	A				A	A																												
Silicone	D	D													D				D		D	D			D	A	D			C	B	D				
Fluorosilicone	A	B													D				B		D				D	A	D			B	A	C			A	

Fluid Name	Phosphate Ester 10%	Phosphate Ester	Phosphoric - 10% - cold	Phosphoric - 10% - Hot	Phosphoric Acid	Phosphoric Acid 10%	Phosphoric Acid (<40%)	Phosphoric Acid (>40%)	Phosphoric Acid (crude)	Phosphoric Acid 50%cold	Phosphoric Acid 50%Hot	Phosphoric Acid 85%cold	Phosphoric Acid 85%Hot	Phosphoric Anhydride	Phosphorous Trichloride	Photographic developer	Phthalic Acid	Phthalic Anhydride	Pickling Solution	Picoline, Alpha	Picric Acid,Aqueous Solution	Picric Acid	Pine Oil	Pine Tar	Pinene	Piperazine	Pineapple Juice	Pitch(Bitumen)	Pit water	Piperidine	Piranha	Plating Solution, Chrome	Plating Solution, Others	Polyethylene Glycol	Polyglycerol	Polyvinyl Acetate Emulsion	Potash
Formula					H_3PO_4												$C_6H_4(COOH)_2$	$C_6H_4(CO)_2O$				$C_6H_4(COOH)_2$	$C_6H_4(CO)_2O$			$NH(CH_2)NH(CH_2)_2$				$(CH_2)_6NH$	$H_2SO_4 : H_2O_2$			$HOCH_2(CH_2OCH_2)nH_2OH$	$(CH_2OHCHOHCH_2)n$	$CH_2CH(OOCCH_3)$	
Aluminum	D		A	A	D	D				D	D	D	D	A	D		B	A				C	A				A		C								
Brass	D	D	B	B	D	D				D	D	D	D				B	B				C	B				C		A								
Carbon Steel	A	A	D	D	D	D				D	D	B	C		B		C	C				D	B				C		B								
Alloy 600			A	D						A	D	A	D				B	A																			
Alloy 400/450(Monel®)	A	A	A	A		D				C	C	A	A				A	A				D	B				A										
Alloy 20	A		A	A		B				B	B	B	B	A	A		B	B				B	A				A	A									
Alloy C 276 (Hastelloy®)							A	A	A		D					B	B	A				B														B
Titanium			A	D						D	D	D	D				A																				
Cast Iron	A					D				D	D	B	C		C		C	C				D	B				C										
316 Stainless Steel	A	A	B	D	B	D				B	D	A	B	A	A		B	B				B	A				A	A	A								
630 Stainless steel						B				B	D	C	D									C															
Carpenter 20®		A				B				B	B	B	B	A	A		B	B				B	A				A	A									
PTFE/PFA (Teflon®)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B			A	A		A		A	A	A		A	A	A		A	
Nylon		A				D				D	D	D	D	D	D		A	A				B														
Polyethylen(PE)																																				
POM (Delrin®)	A	A	D	D	D	D				D	D	D	D	B	D		A	A				D	A				A	A	A							
PCTFE (Kel-F®)						A				A	A	A	A																							
PEEK		A				A				A	A	B	B	A	A		A	A				A	A				A	A								
PVDF															A	A	A	A				A														
UHMWPE						A	A	B	B	A	A	A	A		A	A		A				A	D													A
TPE																																				D
Poly Acrylate																																				
Poly Urethane																					B															
NBR	D	D	B	B	B	B	D	D	D	B	B	C	C	D	D	A	C	C	D		B	C	A		B		A	C	A	D		D	A	B		A	A
FPM (Viton®)			A	A	A	A	A	A	A	A	A	B		B	B	A	A	D	B	D	A	B	A		A		A		A	D		A	A	C		C	A
Neoprene			A	A		B				B	B	C	C	D	D		C	C			A	A	D				A	C								
EPDM	A	A			B	B				B	B				B			B	C	A	A	B	D		D			D	A	D		B	A	A		A	
Kalrez®						A				A	A	A	A				A	A	A			A	A	A	A	A				A	A	A	A	A	A	A	
Grafoil®		A				A				A	A	A	A	A	A		A	A					A				A	A								
Silicone																			D			D	D		D				D		D	D				
Fluorosilicone																			D		B	B	A		A				D		B					

Fluid Name	Polysulfide Liquor	Polyvinyl Acetate	Poly Glycols	Polyvinyl Chloride	Potassuum. Molten	Potassuum. Acetate	Potassium Bicarbonite	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	Pot.Ferricyanide	Potassium Fluoride	Potassium Glucocyanate	Pot.Hydroxide	Potassium sulphate	Pot.Diphosphate	Pot.Ferrocyanide	Pot.Hypochlorite	Pot.Permanganate	Potassium Dichromate	Potassium Ferrocyanide	Potassium Hydroxide Dilute Cold
Formula					K	$KC_2H_3O_2$		$KHCO_3$	KHF_2		$KHSO_4$	$KHSO_3$	$KHC_4H_4O_6$	KBr	K_2CO_3	$KClO_3$	$KClO_3$	KCl	K_2CrO_4	$K_3C_6H_5O_7 : HOH$	$C_2CuN_2 : K$	KOCN		KCN	$K_2Cr_2O_7$	$K_3Fe(CN)_6$	KF	$KC_6H_{11}O_7$	KOH	K_2SO_4						$K_4Fe(CN)_6 : 3H_2O$	
Aluminum	D	B		B				A		A	B	B		D	D	D	D		B					D	A	B		D	A	B	A	D	A	A	B	D
Brass	D	B		B								C		C	B	B	C	B	B					D	D	B			D	B	B	B	D	B	B	B	D
Carbon Steel												D		D	B	C	C	C						B	C	C			C	C	A	A	C	B	B	C	A
Alloy 600												D		B	B	C	B							B		B			A			B	D	B	B		
Alloy 400/450(Monel®)	B	B		B				B		A	B	D		A	B	C	B		B					B	B	B			A			B	D	B	B	A	A
Alloy 20	A	B		B				A		A	A	B		B	B	B	A		B					B	A	B									B	B
Alloy C 276 (Hastelloy®)								B				C		B	A	D	B		A				B	B		B			B			B	B	B	D		
Titanium														A	A	A	A									A			D			A	A		A		
Cast Iron	B	B		B								D		D	B	B	B		B					B	C	C									C	A
316 Stainless Steel	B	B		B				A		A	A	B		A	B	B	B	C	B					B	B	B			A	B	A	B	B	B	A	B	B
630 Stainless steel														C	A	B	B									B										B
Carpenter 20®	A	B		B				A		A	A	B		B	B	B	A		B					B	A	B									B	B
PTFE/PFA (Teflon®)	A	A		A				A		A	A	A		A	A	A	A	A	A		A		A	A	A	A			A	A	A	A	A	A	A	A	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	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	A	B		A		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	A	B		A		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	A
Silicone			A			D	A							A	A		A				A			A	A				C								
Fluorosilicone			A			D	A							A	A		A				A			A	A				C								

Fluid Name	Potassium Hydroxide Dilute Hot	Potassium Hydroxide To70% 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 Thiosultate	PRESTONE Antifreeze	PRL - Hign Temp,Hydraulic Oil	Prestone	Producer Gas	Propane	Propionaldehyde	n - Propyl Acetate	n - Propyl Acetone	n - Propyl Alcohol
Formula			KOH	KI	KIO_3	KNO_3	KNO_2	$K_2C_2O_4 : H_2O$	$KClO_4$		$KMnO_4$	K_2O_2	$K_2S_2O_8$	K_3PO_4	K_2HPO_4	$K_2S_2O_7$		$SiO_2 : K_2O$	$KNaC_4H_4O_6 : 4HOH$	$K_2SnO_3 : 3HOH$	$C_{17}H_{35}COOK$	K_2SO_4	K_2S		$K_2SO_3 : 2HOH$	$K_2C_4H_4O_6 : 1/2HOH$	KCNS	$K_2S_2O_3$						C_3H_8	C_2H_5CHO	$C_3H_7OOCCH_3$	$CH_3COC_4H_9$	$CH_3CH_2CH_2OH$
Aluminum	D	D	D	D		A		C			B			D	B		D					A	D		B						B	A					
Brass	D	D	D	D		B					B			C	B							B	B		B						B	A					
Carbon Steel	B	B	A	C		B					B				A		A					B	B		B						B	A					
Alloy 600																						B	B									A				
Alloy 400/450(Monel®)	A	A	A	C		B					B			B	B		B					B	C		C						A	A					
Alloy 20	B	B	B	B		B		A			B			B	A		B					A	A		A						B						
Alloy C 276 (Hastelloy®)						B					B			B	B							B	B		B												
Titanium																						A	A									A					
Cast Iron	B	B	B	C		B					B			C	A		A					C	B		B						B						
316 Stainless Steel	B	B	B	B		B		A			B			B	A		B					A	A		A						B	A					
630 Stainless steel	C	C	D	B		B					B											A									A						
Carpenter 20®	B	B	B	B		B		A			B			B	A		B					A	A		A						B						
PTFE/PFA (Teflon®)	A	A	A	A		A		A			A			A	A		A					A	A		A				B	A		A	A		D	D	A
Nylon		B												A	A		A					B	A		B												
Polyethylen(PE)																						B			B												
POM (Delrin®)	D	D	D	A		A		A			A			A	A							A	A		A												
PCTFE (Kel-F®)	A	A	A								A																										
PEEK	A	A	A	A		A		A			A			A	A		A					A	A		A												
PVDF							A		A		B			A												A						A					
UHMWPE	A	A	A			B					A											A	A		A												
TPE						B					D											B															
Poly Acrylate														D				A				D									D	D	D				
Poly Urethane														D				A				A									D	D	D				
NBR	B	B	C	A		A				B	A			A	A	A	B	A				A	B	A	A				A	B	A	A	A		D	D	A
FPM (Viton®)		D		A		A				D	A			A				A				A	B		B				A	A	A	A	A		D	D	A
Neoprene	B	B	B	A		A				B	A			A	A		B	A				A	A		B						A	D	D				
EPDM		B	A	B		A				A	B			A	B		B	A				A	A		B				A	D	A	D	D		B	A	A
Kalrez®	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A
Grafoil®	A	A	A	A		B		A						A	A		A					A	A		A												
Silicone						A								A				A				A			A				A	B	A	B	D		D	D	A
Fluorosilicone						A				D				A				A				A			A				A	A	A	B	B		D	D	A

Fluid Name	n - Propylamine	n - Propylbenzene	Propane (liquefied)	Propanol4087	Propanol8307	Propionic Acid	Propion Aldehyde	Propylene	Propylene Chhlorohydrin	Propylene Dichloride	Propylene Glycol	PropyleneGlycolMmethyl Etther Acetate	Propylene Imine	Propylene Oxide	Propyl Nitrate	n - Propyl Nitrate	n - Propyl Propoinate	PRS - 3000	PYDRAUL115E	PYDRAUL 230C,312C&540C	PYDRAUL TRANSFORMER OIL	Pulp Stock	Pyridine	Producer Gas	Propane	Propylene	Pydraul60,up to max.+50℃	Pydraul F9	Propyl Alcohol	Pyrogallic Acid	Pyrogallol	PYROGARD 42,43,53&55	PYROGARD C&D(Water&Petroleum)	Pyroligneous Acid	PYROLUBE	Pyrosulfuryl Chloride	Pyrrole
Formula	$C_3H_7NH_2$	$C_6H_5CH_2CH_2CH_3$						$CH_3CH:CH_2$	$CH_2ClCHOHCH_3$	$CH_3CHClCH_2Cl$	$CH_3CHOHCH_2OH$		$CH_2HCNHCH_2$	$H_2COCHCH_3$	$CH_3CH_2COOCH_2CH_2CH_3$	$C_3H_7NO_3$	$CH_3CH_2COOCH_2CH_2CH_3$						$N(CH_3)$							$C_6H_3(OH)_3$							$S_2O_5Cl_2$	
Aluminum																													A	B							
Brass																													A	B							
Carbon Steel								A																				A	A	A	C						
Alloy 600																													A	B							
Alloy 400/450(Monel®)																													A	B							
Alloy 20																																					
Alloy C 276 (Hastelloy®)											B												B						A	B							
Titanium																													A								
Cast Iron																																					
316 Stainless Steel																													A	B							
630 Stainless steel																																					
Carpenter 20®																																					
PTFE/PFA (Teflon®)			A					A			A			D					A	A	A		B	A	A	A	A	A	A	A		B	A	D	A		
Nylon																																					
Polyethylen(PE)																																					
POM (Delrin®)																								A	A	A	B	A		A							
PCTFE (Kel-F®)																																					
PEEK																								A													
PVDF											D	A			B																A						
UHMWPE			C									B											B														
TPE			A																				C														
Poly Acrylate				D	D	D	D	D		D	D			D	D							D	D														
Poly Urethane				D	D	D	D	D		D	D			D	D							D	D														
NBR			A	A	A	A	D	D		D	A			D	D	D	D		D	D	A	A	D	A	A	A	C	C	A	A		D	A	D	D		D
FPM (Viton®)			A	D	A	D	D	A		A	A			D	D	A	D	B	A	A	A	A	D	A	A	B	C	A		A		A	A	D	A		D
Neoprene				A	A	B	D	D		D	A			D	D							A	D	B	B				C	A							
EPDM				A	A	A	A	D		D	A			B	B	B	B	B	A	D	D	A	B	D	A	B	A					A	D	B	B		D
Kalrez®	A	A						A	A	A	A	A	A	A		A	A	A	B	B	A		A								A	A	A	A	A	A	A
Grafoil®																								A													
Silicone				A	A	A	D	D		D	A			D	D	D	D	B	D	D	D	A	D									D	C		B		B
Fluorosilicone				A	A		D	B		B	A			D	D	D	D	B	C	D	A	A	D									D	B	D	B		D

Fluid Name	Pyruvic Acid	Propane Gas	Propyl Bromide	Propylene Glycol	Pyridine	Pyrolgallic Acid
Formula	$CH_3COCOOH$					
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	Quinine,Sulfate dry	Quinine	Quinizarin	Quinoline	Quinone	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
Formula			$C_{20}H_{24}N_2O_2$: 3HOH	$C_{14}H_8O_2(OH)_2$	C_9H_7N	$C_6H_4O_2$						$C_6H_4(OH)_2$	Rh	$C_{17}H_{20}N_4O_8$	$CH_3(CH_2)CH(OH)CH_2CH$: $CH(CH_2)_7COOH$													
Aluminum	A										A							A	A	A					A	A	A
Brass	B										A							A	A	B					A	A	A
Carbon Steel	B										C							A	A	C					A	B	A
Alloy 600																												
Alloy 400/450(Monel®)		B									A							A	A	A					A		A
Alloy 20	A	A									A	B						A	A	A					A	A	A
Alloy C 276 (Hastelloy®)																												
Titanium																												
Cast Iron	B										C							A	A	C					A	B	A
316 Stainless Steel	A	A									A	B						A	A	A					A	A	A
630 Stainless steel		B									B																	
Carpenter 20®	A	A									A	B						A	A	A					A	A	A
PTFE/PFA (Teflon®)	A	A					A		A	A	A	A				A	A	A	A	A		A	A			A	A	A
Nylon											A																	
Polyethylen(PE)																												
POM (Delrin®)	A	A									A							A	A	A					A	A	C
PCTFE (Kel-F®)																												
PEEK	A	A									A	A						A	A	A					A	A	A
PVDF			A																									
UHMWPE												A										B						
TPE																												
Poly Acrylate									D												D	D						
Poly Urethane									D												D	D						
NBR	A						C		B	A	C	D				A	B	B	B	D	A	A	A	A	A	B		D
FPM (Viton®)	A						D		A	A	A	A				A	A	A	A	B	A	A	A	A	A	A	A	D
Neoprene	B								B		C							C	C	C	A	A				B		C
EPDM							A		D	D		D				D	D	D			A	A	D			D		
Kalrez®		A	A	A	A	A	B	A	A	A		A	A	A	A	A	A					A	A					
Grafoil®	A	A									A	A						A	A	A						A	A	A
Silicone							B		D	D						D	D				A	A	D					
Fluorosilicone							D		A	A						A	A				A	A	A					

Fluid Name	Salad Oil	Salad dessings	Salt	Salt Brine	Sauerkraut Arine	Sea Water	Saccharin Solution	Sal Ammoniac	Salicylic Acid	Salt Water	SANTOSAFE300	Sebacid Acid	Selenic Acid	Selenious Acid	Sewage	SHELL TELLUS 27 (Petro Base)	SHELL UMF (5%Aromatic)	Shellac	Silane	Silicate Esters	Silicone Tetrachloride	Silicone Tetrafluoride	Silicone	Silver nitrate	Silicone Fluids	Silver Bromide	Silver Chloride	Silver Cyanide	Silicate Esters	Silver Oxide	Silver Sulfate	Silver Salts	Silver Nitrate 10%	Silver Plating Sol	Skydrol 500B	Skydrol (7000and500)	SKYDROL 500
Formula			NaCl						$C_6H_4(OH)(COOH)$			$COOH(CH_2)_8COOH$	H_2SeO_3						SiH_4		$SiCl_4$	SiF_4		$AgNO_3$		AgBr	AgCl	AgCN		Ag_2O	$AgSO_4$						
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				D	
Poly Urethane			D			D		A							D									A				D	D			D				D	
NBR	A	A	A	A		A		A	B						A			A					A	C	B			B	B			A	B		D	D	D
FPM (Viton®)	A	A	A	B		A		A	A	B	A				B	A	A	A		A			A	A	B			B	A			A	A		D	D	A
Neoprene	A		A	D		B		A	A						B			A						C	B			B	B			A	A	B		D	
EPDM	B		A	B		A		A	A	A	C				A	D	D	A		D			A	A				D	D			A				A	A
Kalrez®						A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	A		A	A		A				A
Grafoil®	A		A	A	A	A			A						A			A							A	A		A					B				
Silicone			A			A		B		A	A				A	D	D			D			C	A				D	D			A				D	C
Fluorosilicone			A			A		A	A	A	A				A	A	A			A			A	A				A	A			A				D	C

Fluid Name	SKYDROL 7000	SINCLAIR OPALINE CX - EP LUBE	Sludge Acid	Soap,Liquor	Soap Solutions	SOCONY PD9959B 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 arsentate + sodium arsenite	Sodium arsentate + 200℃	Sodium bisulphate, 20℃/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_2CO_3	Na	$C_{19}H_{29}COOONa$	$NaC_2H_3O_2 : 3H_2O$	CH_3COONa	$NaAlO_2$	$NaSbO_3$	$Na_3AsO_4 : 12H_2O$	$NaAsO_2$	C_6H_5COONa							$Na_2B_4O_7 : 10H_2C$	Na_2CO_3	$NaClO_3$	NaF	NaOH								$Na NO_3$
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
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				B	C	D		A			
Poly Acrylate				D	D			D				D										D	D	D													
Poly Urethane				D	D			D				D										D	A	A													
NBR	D	A		A	A	A	A	A	A			B	B	A					A	C	A	A	B	A	A	A	B	A	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	B	B	B	A	A		A	A	A
Neoprene				A	B			A				B		A								A	A	A		A											
EPDM	A	D	A	A	A	D		A	A			A	A	B								A	A	A		A											A
Kalrez®	A	A			A	A			A	D	A	A		A	A	A	A	A																			
Grafoil®					A							A		A																							
Silicone	C	D		A	A	A		A	A			D										A	A	A		A											
Fluorosilicone	C	B		A	A	A		A	A			D										A	A	A		A											

Fluid Name	Sodium Hydroxide Solution	Sodium Hydrosulfite Solution	Sodium Hypochlorite Solution	Sodium bicarbonate	Sodium onloride	Sodium hydroxide	Sodium sulphate	Sodium sulphide	Soluble oil	Steam(100℃)	Sulphuric acid	Sodium bisulphate, 50%at+20℃	Sodium carbonate, +20℃	Sodium chloride, +20℃	Sodium hydroxide, 20%at -20℃	Sodium monofluorophosphate, +20℃	Sodium nitrate, +20℃	Solvents	Sodium Bicarbonate Solution	Sodium Bifluoride	Sodium Bisulfate Solution	Sodium Bisulfite Solution	Sodium Bitartrate	Sodium Borate	Sodium Bromate	Sodium Bromide	Sodium Benzoate	Sodium Bicarbonate	Sodium Bichromate	Sodium Bisulfate	Sodium Bisulfate 10%	Sodium Bisulfite	Sodium Bisulfite 10%	Sodium Bromide	Sodium Bromide 10%	Sodium Chlorate	Sodium Carbonate(Soda Ash)
Formula				$NaHCC_3$	Na Cl	Na OH	Na_2SO_4	Na_2S			H_2SO_4								$NaHCO_3$	$NaHF_2$	$NaHSO_4$	$NaHSO_3$	$NaHC_4H_5O_6$: HOH	$Na_2B_4O_7$: 10HOH	$NaBrO_3$	$NaBrO_3$											$NaClO_3$	
Aluminum				D	C	D	D	D	A	C	D													B			B	B	A	B	D	D	D	D	B		D
Brass				B	C	B	B	D	A	A	C													B				B		C	B	D	B	C	B		B
Carbon Steel				B	B	B	B	B	B	B	B	C	C	C	A	C	B	A						C				B		D	D	B	D	B	C		B
Alloy 600																												A		B		B		B			A
Alloy 400/450(Monel®)																								B			B	A		B	B	B	B	B	B		B
Alloy 20																								B			B	A	B		A		B		B		A
Alloy C 276 (Hastelloy®)																			B		B	B						A		B		B	B	B		A	B
Titanium																												A		A		B					B
Cast Iron																								C				C			D		D		D		B
316 Stainless Steel				B	B	A	A	B	A	A	B													B			B	B	B	B	A	A	A	B	B		A
630 Stainless steel																																					
Carpenter 20®																								B			B	A	B		A		B		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	A	A		A
Nylon																												B			A		A				A
Polyethylen(PE)																												A		A		B		B			A
POM (Delrin®)				B	A	D	A	B	A	D	D	C	A	A	C		A	B						A			B	A	A	A	D	A	D	A	A		A
PCTFE (Kel-F®)																								A							A		A				A
PEEK																								A			A	A	A		A		A		A		A
PVDF				A																					A	A	A										B
UHMWPE																								A			A	A			A		A		A		A
TPE																																					
Poly Acrylate	D	D	D																																		
Poly Urethane	D		D																																		
NBR	B	A	B	B	A	B	B	B	B	D	D	C	A	A	A	B	C	C	A		A	A		A				A	D	A	A	A	A	A	A		A
FPM (Viton®)	A	A	A	A	A	B	A	A	A	D	B	C	A	A	B	B	B	C	A		A	A		A				A		A	A	A	A	A	A		A
Neoprene	A	A	B																					A				A		A	A	A	A	A	A		A
EPDM	A	A	A	A	A	A	A	A	D	A	C	C					C	C	A		A	A		B				A			B		B		B		B
Kalrez®																			A	A	A	A	A	A	A	A	A	A	A		A		A		A	A	A
Grafoil®																								A			A	A			A		A		A		A
Silicone	C	A	B																A		A	A		A													
Fluorosilicone	C	A	B																A		A	A		A													

Fluid Name	Sodium Chloride Solution	Sodium Chlorite	Sodium Chloroacetate	Sodium Chromate	Sodium Citrate	Sodium Cyanate	Sodium Cyanide	Sodium Chlorate	Sodium Chloride	Sodium Diacetate	Sodium Dichromate	Sodium Ethylate	Sodium Ferricyanide	Sodium Ferrocyanide	Sodium Fluoride	Sodium Fluorosilicate	Sodium Glutamate	Sodium Hydride	Sodium Hydrosulfide	Sodium Hydroxide	Sodium Hydroxide 20% Cold	Sodium Hydroxide 20% Hot	Sodium Hydroxide 50% Cold	Sodium Hydroxide 50% Hot	Sodium Hydroxide 70% Cold	Sodium Hydroxide 70% Hot	Sodium Hypochlorite	Sodium Hypophosphite	Sodium Hypochlorite(Bleach)	Sodium Hyposulfite	Sodium Iodide	Sodium Lactate	Sodium Metaphosphate	Sodium Methylate	Sodium Lactate	Sodium Metasilicate	Sodium Metasilicate Cold
Formula	NaCl	$NaClO_2$	$ClCH_2COONa$	$Na_2CrO_4 : 10HOH$	$C_6H_5O_7Na_3 : 2HOH$	NaOCN	NaCN			$CH_3COONa : x(CCH_3COOH)$	$Na_2Cr_2O_7 : 2HOH$	C_2H_5ONa	$Na_3Fe(CN)_6 : {}_{10}HOH$	$Na_4Fe(CN)_6 : 10HOH$	NaF	Na_2SiF_6	$COOH(CH_2)_2CH(NH_2)COONa$	NaH	$NaxHH : {}_2HOH$	NaOH								$NaOCl : {}_5H_2O$	$NaH_2PO_2 : HOH$			NaI	$CH_3CHOHCOONa$	$(NaPO_3)n$	CH_3ONa		Na_2SiO_3	
Aluminum				D	D		D	C	B				A		C					D	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																	
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	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
Nylon									B						C					B	C	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
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	B	D	B		B				A				B
FPM (Viton®)	A			A			A	A	A						A					C	B	C	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	B		A				A				
Kalrez®	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	A	A	A	A	A	A	A	A	A	A
Grafoil®					A		A	B	A				A		A						A	A	A	A	A	A			A	A			A		A		A
Silicone	A						A													B							B										
Fluorosilicone	A						A													B							B						A				

Fluid Name	Sodium Metasilicate Hot	Sodium Nitrate	Sodium Oleate Sodium	Sodium Orthosilicate	Sodium Oxalate	Sodium Nitrite	Sodium Perborate	Sodium Percarbonate	Sodium Perchlorate	Sodium Peroxide	Sodium Persulfate	Sodium Phenate	Sodium Polyphosphate	Sodium Phosphate	Sodium Phosphate Di - basic	Sodium Phosphate Tri - basic	Sodium Plumbite	Sodium Pyrophosphate	Sodium Polyphosphate	Sodium Salicylate	Sodium Salts	Sodium Sesquisilicate	Sodium Silicate	Sodium Stannate	Sodium Stearate	Sodium Silicate hot	Sodium Sulfate	Sodium Sulfate Decahydrate	Sodium Sulfate,Anhydrous	Sodium Sulfhydrate Solution	Sodium Sulfide	Sodium Sulfite	Sodium Tartrate	Sodium Tetrasulfied	Sodium Thiocyanate	Sodium Tetraborate	Sodium Thiosulfate
Formula		$NaNO_3$	$C_{17}H_{33}COONa$	$Na_2SiO_3 : 2NaOH$	NaC_2O_4	$NaNO_2$	$NaBO_3$	$Na_2CO_3 : 1\text{-}1/2HOH$	$NaClO H_2O$	Na_2O_2	$Na_2S_2O_8$	C_6H_5ONa		Na_3HPO_4	Na_2HPO_4		Na_2PbO_2	$Na_4P_2O_7$	HOC_6H_4COONa		$Na_6Si_2O_7$	$Na_2SiO_3 : 9H_2O$	$Na_2Sn(OH)_6$	$NaOOCC_{17}H_{35}$			$Na_2SO_4 : 10HOH$	Na_2SO_4			$Na_2S : 9HOH$	Na_2SO_3	$Na_2C_4H_4O_6 : 2HOH$	Na_2S_4	$NaSCN$		$Na_2S_2O_3 : 5HOH$
Aluminum	B	A				A	D			D				D	D	D						B			C	B			C	B						B
Brass	B	B					B			D				C	C	C						B			C	B			D	C						C
Carbon Steel	D	B					B			C				C	C	C						B			C	B			B	D						B
Alloy 600		A					B			B				A								A				D			D	D						D
Alloy 400/450(Monel®)	A	A				C	B			B				B	B	B			B			B			B	A			B	B						B
Alloy 20	A	A				B	B			B				B	B	B			B	A		B			B	A			B	A					A	B
Alloy C 276 (Hastelloy®)	A	B				B	B			B			A	B	B	B			B			B				B			B	B					B	B
Titanium		A												A								A				B				A						
Cast Iron	D	B					B			C				C	C	C						B			C	B			B	A					A	C
316 Stainless Steel	A	A				B	A			B				B	B	B			B	A		B			B	A			B	A					A	B
630 Stainless steel		B					B			B				B												B			A	A						A
Carpenter 20®	A	A				B	B			B				B	B	B			B	A		B			B	A			B	A					A	B
PTFE/PFA (Teflon®)	A	A				A	A			A			A	A	A	A			A	A	A	A			A	A	A		A	A					A	A
Nylon		B				A								A	A	A						D			D	B			B	D						A
Polyethylen(PE)		B																								B			B	B						
POM (Delrin®)	A	A				B	A			A				A	A	A				A		A			A	A			A	A					A	A
PCTFE (Kel-F®)														A																						
PEEK	A	A				A	A			A				A	A	A			A	A		A			A	A			A	A					A	A
PVDF		A			A		B		B	C	A			A							A	A									A		A		
UHMWPE		A				A	A			A			A	A								A			A	A			A	B					A	A
TPE																																				
Poly Acrylate										D												D				D			D	D					D	D
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	A
Neoprene		B				D	B			B				B	A	B			B			A				A			A	A	A					B	A
EPDM		A				A	A			A				A	A	A			A		A	A			B	A	B	A	A	A	A					B	A
Kalrez®		A	A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A	A	A	A	A		A	A	A		A	A	A	A	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	A					B	A
Fluorosilicone							A			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	Stram, 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_3COONa	$NA_5P_3O_{10}$		$C_6H_6(OH)_6$						$NaOH : H_2O_2$	$HCl : H_2O_2$	$SnCl_4$	$SnBr_2$	$SnCl_2$	SnF_2	$SnSO_4$								H_2O	H_2O	$CH_3(CH_2)_{16}COOH$		$Sr(C_2H_3O_2)2 : 1/2HOH$	$SrCO_3$	$SrCl : 6H_2O$	$Sr(OH)_2 : 8H_2O$	$Sr(NO_3)_2 : 4H_2O$	$C_6H_5CH : CH_2$			$OHCCH_2CH_2CHO$	$CO_2H(CH_2)_2CO_2H$
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											A			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																		A	A	D						D	A							D	D		
Poly Urethane																				D						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			B	B								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				A		A	A	B	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			D	A	D	D				C	D	B	D							D	D	A		
Fluorosilicone					D	D	A	A			D	A		A			B	A	A	D				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 Ddioxide	Sulphur Ddioxide - Dry	Sulphur Ddioxide - Wet	Sulphur Molten	Sulphur Trioxide	Sulphuric Acid 0 - 7%	Sulphuric Acid 20%	Sulphuric Acid 50%	Sulphuric Acid 100%	Sulphuric Acid	Sulfur	Sulfur Chlorides	Sulfur, Dioxide Gaseous	Sulfur Dioxide Liquid	Sulfur Dioxide, dry	Sulfur Dioxide, wet	Sulfur Hexafluoride	Sulfur Molten
Formula	$C_{12}H_{22}O_{11}$	$HOSOONH_2$	$H_2NC_6H_4SO_3H$: HOH		$(CH_2)4SO_2$	S	S_2Cl_2	SO_2	SF_6	SF_4	SO_3							S	SCl_2	SO_2				SO_3					H_2SO_4								
Aluminum													B		C	D	B	A	D		A	D	A	B	A	D	D	D	B	A	D			A	C	A	A
Brass													B		C	C	C	D	D		C	D	D	B	C	C	C	C	D	D	B			B	D	B	D
Carbon Steel												B			B	B	C	B	D		B	D	B	B	D	D	D	B	D	C	D			B			C
Alloy 600																B		D	A		B	B		B	B	D	D	D	D								
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	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
Nylon																					D	D	D							C				A			
Polyethylen(PE)																							D														
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	A	A
PVDF																																					
UHMWPE													A	A					C	B	A									A				A	A	B	
TPE																				C	C																
Poly Acrylate														D																D	D	D	D			D	
Poly Urethane																																					
NBR	A			B	B	D	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	B	D
FPM (Viton®)	A			A	B	A	A	C	C		A	C		A	C	C	C		A	A	A				A	A	A	B	A	A	A	D	D	D	A	B
Neoprene													B	B	B	B	B				C		D		A	B	C	D	C	A	D	D	D	D	B	B	C
EPDM	A			B	A	C	D	A	A		B			A	B															B	C	A	A	A	B		B
Kalrez®	A	A	A	A	A	A	A	A	B	B	A				A	A	A													A	A			A	A	C	A
Grafoil®													A		A	A	A													A	A			A	A	A	D
Silicone	A			D		C	C	B	B		B			D																C	B	B			B	
Fluorosilicone	A			B		A	A	B	B		B			B															A	A	B	B			B	

Fluid Name	Sulfur Trioxide	Sulfur Trioxide ,dry	Sulfuric acid(10%)	Sulfuric acid(10 - 75%)	Sulfuric acid(20% Oleum)	Sulfuric acid(96%)	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_2SO_4						H_2SO_4						
Aluminum		A										C		C	D			
Brass	B	B										D		C	C			
Carbon Steel	B	B										D		D	C			
Alloy 600																		
Alloy 400/450(Monel®)		B										D		B	D			
Alloy 20	B	B										B		B	A			
Alloy C 276 (Hastelloy®)	B	B	B	B	B				A	D		B						
Titanium																		
Cast Iron	B	B										D		D	B			
316 Stainless Steel	B	B										B		C	A			
630 Stainless steel	B	B													B			
Carpenter 20®	B	B										B		B	A			
PTFE/PFA (Teflon®)	A	A	A	A		D		A	A	A		A		A	A	A	C	B
Nylon		A										D		D	D			
Polyethylen(PE)																		
POM (Delrin®)	D	A										C		D	D			
PCTFE (Kel-F®)														A	A			
PEEK	A	A										A		A	A			
PVDF																		
UHMWPE		C	A	A				B	C	D		B		B	D			
TPE			A					C	B									
Poly Acrylate	D						D				D		D					
Poly Urethane							C				D							
NBR	D	D	A	B	B	D	D	C	D	D	D	B	B	B	D	A	A	A
FPM (Viton®)	B	A	A	A	A	A	A	A	B	A	A	C	A	A	B	A	A	A
Neoprene	D	D					C				D	B	B	B	D			
EPDM		B			A	D	A				C	B	B		C	D	D	D
Kalrez®	A	A			A	A						A		A	A	A	A	A
Grafoil®	D	D										A		A	D			
Silicone	B				A	D	D				D	D	D			D	D	D
Fluorosilicone	B				A	D	C						B			A	B	A

Fluid Name	Tallow	Tallow - Hot	Tall Oil	Tannic Acid	Tanning Liquors (Vegetable)	Tar&Tar Oils	Tar, Hot	Tar and creosote	Tannic Acid(Tannin)	Tannic Acid	Tannic Acid(Weak)	Tanning Liquors	Tartaric Acid	TEOS(Tetraethylorthosilicate)	Terephthalic Acid	Terpineol	Terpinyl 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	THIOKOL TP - 90B	THIOKOL TP - 95	Thionyl Chloride	Thiophene
Formula				$C_{76}H_{52}O_{46}$									$HOOC(CHOH)_2COOH$	$(C_2H_5)_4SiO_4$	$C_6H_4(COOH)_2$	$C_{10}H_{17}OOCCH_3$			$Ti(OC_4H_9)_4$		$(CHC_2)_2I$	$Cl_2C:CCl_2$	$Pb(C_2H_5)_4$	CF_3CH_2F	CF_4	$CH_2CH_2CH_2CH_2O$	$C_{10}H_{12}$	$(CH_3)_4NOH$					$HSCH_2COOH$			$SOCl_2$	
Aluminum			C	B		A		A	C			A	B							B			B													
Brass			B	B		A		A	B				D							B			B													
Carbon Steel			B	C		A		A	C		C		D							C		A	C													
Alloy 600									A				A																							
Alloy 400/450(Monel®)			B			A			B				B										A													
Alloy 20			B			A			B			B	A										B													
Alloy C 276 (Hastelloy®)			A	B	B				B	B			A								A															
Titanium									A				B																							
Cast Iron			B			A			C				D										C													
316 Stainless Steel			B	A		A		A	B			B	A							B			B													
630 Stainless steel						A			B				A																							
Carpenter 20®			B			A			B			B	A										B													
PTFE/PFA (Teflon®)	A		A	A	A	A		A	A	A	A		A			A		C	A	A	D	D	A			D	D		A	A	A			A	A	
Nylon			D						A																											
Polyethylen(PE)									B				D																							
POM (Delrin®)			A	A		A		C	A		A	D	A							A		C	A													
PCTFE (Kel-F®)																																				
PEEK			A			A			A			A	A										A													
PVDF	A			A		A							A								B					C		B				A		C	
UHMWPE	C			B	A				A	A			A									B													
TPE				A						C																									
Poly Acrylate		A	A	D	D		D														D	D													
Poly Urethane		A	A																		D	D													
NBR	A	A	B	A	B	C	B	B	B	A	A	B	C	A		B		D	B	B	D	D	B		A	D	D		A	A	A	B		D	D	D	
FPM (Viton®)	A	A	A	A	A	C	A	B	A	A	A		A	A		A		A	A	A	A	A	A		A	D	A		A	A	A	A		A	A	B	
Neoprene		C	D	B	B	C	C		B			D	B								D	D	B													
EPDM		D	D	A	A	D	D	D	B				B	A		C		D	A	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
Grafoil®			A			A			A				A										A													
Silicone		D	D	B	B	B	B						A	D				D	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(Tetramethylcyclotetrasiloxane)	TMP (Trimethyl Phosphite0	TMPO (Trimethyl Phosphate)	Toluol/Toluene, +20℃		Toluol (Toluene)	Toluene Diisocyanate	p - Toluenesulfonyl Chloride	p - Toluidine	Toluquinone	p - Tolylaldehyde	Transformer Oil	Transmission Fluid Type A	Tomato Juice	Trichloroethane	Transformer Oil	Tributyl Mercaptan	Tributyl Phosphate	Trichloroacetic Acid(TCA)	Trichloroacetyl Chloride	1, 2, 3 - Trichlorobenzene	1, 1, 1 - Trichloroethane	Trichloroethylene(TCE)
Formula	$PSCl_3$	$Th(NO_3)_4 : 4HOH$					H_2TiO_3	TiO_2	$Ti(SO_4)_2 : 9HOH$	$TiCl_4$	$(CH_3)_3N$	$(CH_3)_4NOH$	$(CH_3)_3Al$	$(CH_3O)_3B$	$(His(CH_3)O)_4$	$(CH_3O)_3P$	$(CH_3O)_3PO$			$C_6H_5CH_3$	$CH_3C_6H_3(NCO)_2$	$H_3CC_6H_4SO_2Cl$	$CH_3C_6H_4NH_2$	$CH_3C_6H_3O_2$	$CH_3C_6H_4CHO$							$(C_4H_9)_3PO_4$	CCl_3COOH	CCl_3COCl	$C_6H_3Cl_3$	CH_3CCl_3	$CHCl : CCl_2$
Aluminum																				A							A		A		A					
Brass																				A							C		B		A					
Carbon Steel																		A	A	A							C		A		A					
Alloy 600																				A																
Alloy 400/450(Monel®)																				A							B		A		A					
Alloy 20																				A							A		A		A					
Alloy C 276 (Hastelloy®)				A	C															A																
Titanium																				A																
Cast Iron																				A							C		B		A					
316 Stainless Steel																				A							A		A		A					
630 Stainless steel																																				
Carpenter 20®																				A							A		A		A					
PTFE/PFA (Teflon®)				A	A	A				B								A	A	D	D					A	A	A		A		A	C			D	D
Nylon																				A												A				
Polyethylen(PE)																				D																
POM (Delrin®)																		C	A	C							A		A		A					
PCTFE (Kel-F®)																				A																
PEEK																				A							A		A		A					
PVDF										A										A							A		A		A					B
UHMWPE				C																D									C							
TPE				B																B																
Poly Acrylate										D										D								D								
Poly Urethane										D										D								D								
NBR				D	A	A				B								C	A	D	D					A	A	A	D	A	D	D	B			D	C
FPM (Viton®)				D	A	A				A								C	A	B	C					A	A	A	A	A	A	D	C			A	A
Neoprene										D										D								A	D	B		D					
EPDM						D				D								C		D	B					D	D		D	D		A	B			D	D
Kalrez®	A	A	A			A	A	A	A	B	B	A	A	A	A	A	A			A	A	A	A	A	A	A				A	A	A	A	A	A	D	A
Grafoil®																				A							A		A		A					
Silicone						B				D										D	D					B	B		D		D	D				D	D
Fluorosilicone						A				B										B	D					A	A		B		C	D	D			B	B

Fluid Name	Trichlorofluoromethane(FC 11)	Trichlorophenylsilane	1, 2, 3 - Trichloropropane	Trichlorosilane	Trichlorotrifluoroethane(FC 113)	Tricresyl Phosphate	Triethanolamine(TEA)	Triethylaluminum	Trichloroethylene	Tricresyl Phosphate	Trichloro Benzene	Trichlor - acetic acid, max, +60℃	Trichloroacetic Acid	Trichloroethane	Trichloroethylene(tri)	Trichloropropane	Tricesylphosphate	Triethanolamine	Triethylamine	Triethylborane	Triethyl Borate	Triethylene Glycol(TEG)	Triethylenetetramine(TETA)	Tri - Normal - Butyl Phosphate	Triacetin	Trialkyl Phosphate	Trifluoroacetic Acid	Trifluoroethane(FC 143a)	Trimethylaluminum(TMAl)	Trimethylamine(TMA)	Trimethyl Borate(TMB)	2, 2, 4 - Trimethylpentane	Trimethyl Phosphate(TMPO)	Trimethyl Phosphite(TMP)	Trimethylolpropane	Trinitrotoluene(TNT)	Trioctyl Phosphate
Formula	CCl_3F	$Cl_3SiC_6H_5$	$CH_2ClCHClCH_2Cl$	$SiHCl_3$	CCl_2FCClF_2	$(CH_3C_6H_4O_3)_3PO$	$(COCH_2CH_2)_3N$	$(C_2H_5)_3Al$										$(C_2H_5)_3N$	$(C_2H_5)_3B$	$(C_2H_5)_3BO_3$	$HO(C_2H_4O)_3H$	$NH_2(C_2H_4NH)_2C_2H_4NH_2$		$C_3H_5(OCOCH_3)_3$	$(C_2H_5)_3PO_4$	CF_3COOH		$(CH_3)Al$	$(CH_3)N$	$(CH_3O)_3B$	$(CH_3)_2CHCHCH_2CH(CH_3)_2$	$(CH_3O)_3PO$	$(CH_3O)_3P$	$C_2H_5C(CH_2OH)_3$	$CH_3C_6H_2(NO_2)_3$	$(C_8H_{17})_3PO_4$
Aluminum									A				D																								
Brass									C				B					B																		
Carbon Steel									B			C			A																					
Alloy 600									A																											
Alloy 400/450(Monel®)									B				B																							
Alloy 20									B				B					B																		
Alloy C 276 (Hastelloy®)									B				A	A	A	A	A	A																		
Titanium									A																											
Cast Iron									C				D																							
316 Stainless Steel									B				D					B																		
630 Stainless steel									A																											
Carpenter 20®									B				B					B																		
PTFE/PFA (Teflon®)	D				D	A	A		A			A	A	A	A	A	A	A	A						D	A		B							B	A
Nylon									A																											
Polyethylen(PE)									D																											
POM (Delrin®)									A			C	D					A	C																	
PCTFE (Kel-F®)									C				A																							
PEEK									A				A					A	A																	
PVDF				B			C						A						D								A								D
UHMWPE									D				C		D		B	C																	
TPE															C																				
Poly Acrylate									D	D	D							D	D					D											
Poly Urethane									D	D	D							D	D					D											
NBR	B				B	D	C	D	D	D		C	C	D	D	D	D	C	C	D				D	B	D		D						D	D
FPM (Viton®)	B				B	A	D	C	B	D	A	C	C	A	D	A	A		A	A				D	D			A						B	B
Neoprene									D	D	D		D					B	B					D											
EPDM	D				D	A	B	C	D	A		C	B		C			B	A	C				A	A	A		D						D	B
Kalrez®	B	A	A	A	B	A	B	A											A	A	A	A	A		A	A	B	A	A	B	A	A	A	A	A
Grafoil®									A									A	A																
Silicone	D				D	C			D	D	D							D	D					D		C		D							C
Fluorosilicone	B				D	B	D		B	D	D													D	D	B		B						B	B

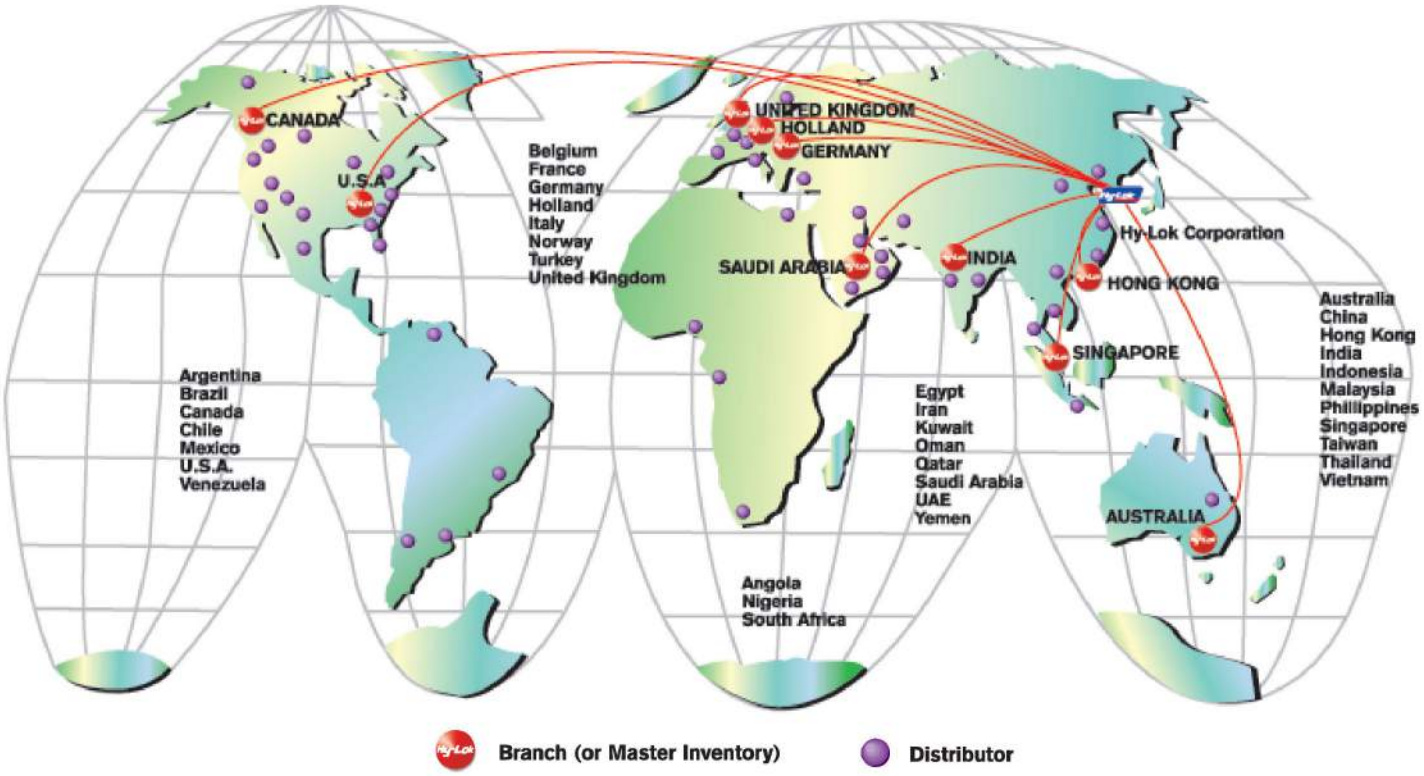
Fluid Name	Tritium	Tung Oil(China Wood Oil)	Tungsten Hexafluoride	Tungstic Acid	Turbine Oil No 15(MIL L - 7808A)	Turpentine	Tributoxyethyl Phosphate	Tributylamine	Tributyl Citrate	Trisodium Phosphate	Tung Oil	Turpentine	750Nato Symbol O - 149	Turpentine oil
Formula	T		WF_6	H_2WO_4	$C_{10}H_{16}$		$(CH_3(CH_2)_3O(CH_2)_2O)_3PO$	$(C_4H_9)_3N$	$C_3H_5O(COOC_4H_9)_3$					
Aluminum										D	B	B		
Brass											B	B		
Carbon Steel											B	B	A	A
Alloy 600												A		
Alloy 400/450(Monel®)											C	B		
Alloy 20										B	A	B		
Alloy C 276 (Hastelloy®)										A	A	A		
Titanium												A		
Cast Iron											B	B		
316 Stainless Steel										B	A	B		
630 Stainless steel												A		
Carpenter 20®										B	A	B		
PTFE/PFA (Teflon®)		A			A	A				A	A	A	A	A
Nylon												A		
Polyethylen(PE)														
POM (Delrin®)										A	A	A	B	A
PCTFE (Kel-F®)														
PEEK										A	A	A		
PVDF						A								A
UHMWPE										A		D		
TPE										A				
Poly Acrylate										D	A	B		
Poly Urethane										D	A	B		
NBR		A			B	A	D			A	A	C	C	A
FPM (Viton®)		A			A	A	A			B	A	A	A	A
Neoprene										A	B	D		
EPDM		D			D	D	A			B	D	D	C	
Kalrez®	A	A	A	A	A	A	A	A	A					
Grafoil®										A	A	A		
Silicone		D			D	D				A	D	D		
Fluorosilicone		B			B	B	B			A	A	A		

Fluid Name	UCON HYDROLUBE J - 4	UCON OIL LB - 385 400X	UDMH(Unsymmetrical Dimethyl Hydrazine)	UNIVIS 40 Hydraulic Fluid	Univolt no.35(Mineral Oil)	UPDI(Ultra Pure Deionized Water)	Uranium Hexafluoride	Urea	Uric Acid	Ucon - Hydrolube	UDMH	Ultra Violet Light	n - Valeraldehyde	Valeric Acid	Vanadium Pentoxide	Varnish	Vegetable Juices	VERSILUBE F44, F50 & F55	Vegetable Oils	Versilubes	Vinegar	Vinyl chloride	Viscose	Vinyl Acetate	Vinyl Chloride(VC)	Vinylfluoride	Vinylidene Chloride	Vinylpyridine	VV - H - 910
Formula			$(CH_3)_2NNH_2$			H_2O	UF_6	$CO(NH_2)_2$					$CH_3(CH_2)_3CHO$	$CH_3(CH_2)_3COOH$	V_2O_5									$CH_3COOCH : CH_2$	$CH_2 : CHCl$	$CH_2 : CHF$	$CH_2 : CCl_2$	$C_5H_4NCH : CH_2$	
Aluminum								B								A			A		C			B					
Brass								B								A			D		D			B					
Carbon Steel								C		A						C			B		D	C	A						
Alloy 600								B											A										
Alloy 400/450(Monel®)								B								A			B		A			B					
Alloy 20								B	A							A			A		A			B					
Alloy C 276 (Hastelloy®)								A	A							A			A		A			A					
Titanium																					A								
Cast Iron								C								C			B		D			B					
316 Stainless Steel																													
630 Stainless steel								B	A							A			A		A			B					
Carpenter 20®								B	B							A	A				A								
PTFE/PFA (Teflon®)	A	A	C	A	A	B		A	A	A						B	A	A	A		A	A	A	A					A
Nylon																								A					
Polyethylen(PE)																					B								
POM (Delrin®)								A	B	A						A			A		B	C	A	D					
PCTFE (Kel-F®)																													
PEEK								A	A							A			A		A			A					
PVDF								A								A					C	A		C					
UHMWPE								A	B							A					A								
TPE																													
Poly Acrylate										D	D						D		A	A	D			D					
Poly Urethane										D	D						D		D	A	D			D					
NBR	B	A	B	A	A			C		C	D					B	A	A	A	B	B	C	A	D	D				C
FPM (Viton®)	C	D	D	A	A	A		D		B	D					A	A	A	A	A	D	C	B	D	A	B			A
Neoprene								B			D					D	B		C	B	B			D					
EPDM	A	A	A	D	D	B		B		C	A					D	C	A	C	A	A	C		A	D				A
Kalrez®	A	A	B	A	A	A	B	A	A				A	A	A	A	A	A			A			A	A	A	A	A	A
Grafoil®								A	A							A			A		A			A					
Silicone	A	A	D	D	D						D	A				D	A	C	B	D	C			D					B
Fluorosilicone	B	A	D	A	A						D					B	A	A	A	A	C								B

Fluid Name	Water,Distilled	Water, Boiler Feed	Water, acid mine	Water, distilled	Water,Fresh	Water,Salt	Whiskey	Water Acid Mine	Water, +80°C	Water, +180°C	Water	Waxes	Water to 275°F	Water to 180°F	Water Detergent Solution to 180°F	Water,Sea, to 180°F	Water, Soap Solution to 180°F	Water,with Soluble Oil, to 180°F	Whiskey and Alcoholic	Wine	WAGNER 21B Brake Fluid	WEMCO C	Whiskey&Wines	White Pine Oil	Wolmar Salts	White liquor (pule mill)
Formula											H_2O															
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	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						
Poly Urethane													D	D	D	D	D	D	D	D						
NBR	C		A	A	A	A	A	B	A	C	B	A	D	B	B	B	B	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	D	A	A	A	A	A
Neoprene	B				B		A	A				B	C	B	C	C	C	B	C	C			A			
EPDM	B				B			A	A	A	A	C	A	A	A	A	A	D	A	A	A	D	A	D	A	
Kalrez®	A				A			A			A										A	A	A	A	A	
Grafoil®	A				A			A				A											A			
Silicone											A		D	B	B	B	B	D	A	A	C	D	A	D	A	
Fluorosilicone											A		A	A	A	A	A	B	A	A	D	A	A	A	A	

Fluid Name	Xenon	Xylen	Xylidine	Xylol	Xylene(Xylol),Dry	Xylene	Zeolites	Zinc Acetate	Zinc Ammonium Chloride	Zinc Bromide	Zinc Chloride	Zinc Chromate	Zinc Cyanide	Zinc Diethyldithiocarbamate	Zinc Fluorosilicate	Zinc Hydrosulfite	Zinc Naphthenate	Zinc Nitrate	Zinc Oxide	Zinc Phenolsulfonate	Zinc Phosphate	Zinc Salts	Zinc Stearate	Zinc Sulfate	Zinc Sulfide	Zinc Sulphate
Formula	Xe	$C_6H_4(CH_3)_2$	$(CH_3)_2C_6H_3NH_2$			$(CH_3)_2C_6H_4$	$Na_2O : Al_2O_3 : xSiO_2$	$Zn(C_2H_3O_2)_2 : 2H_2O$	$ZnCl_2 : 2NH_4Cl$	$ZnBr_2 : 2H_2O$	$ZnCl_2$	$ZnCrO_4 : 7HOH$	$Zn(CN)_2$	$Zn(SCSN(C_2H_5)_2)_2$	$ZnSiF_6 : 6HOH$	ZnS_2O_4	$Zn(C_6H_5COO)_2$	$Zn(NO_3)_2 : 6HOH$	ZnO	$Zn(SO_3C_6H_4OH)_2 : 8HOH$	$Zn_3(PO_4)_2$		$Zn(C_{18}H_{35}O_2)_2$	$ZnSO_4 : 7HOH$	Zns	$ZnSO_4$
Aluminum					A	A				D	D					D								D		C
Brass					A	A				B	D					C								B		B
Carbon Steel					B	B					D					A								B		D
Alloy 600											B					B								B		
Alloy 400/450(Monel®)					A					B	B					B								B		
Alloy 20										B						A								A		
Alloy C 276 (Hastelloy®)					A					A	B					A								B		
Titanium											A													A		
Cast Iron					D					D						B								D		
316 Stainless Steel										B	D					A								B		B
630 Stainless steel					A																					
Carpenter 20®					B					B						A								A		
PTFE/PFA (Teflon®)	A	D	B	D		A	A	C		A	B					A						A		A		A
Nylon					A						D															
Polyethylen(PE)											B													B		
POM (Delrin®)					A	B				A	B					A								A		C
PCTFE (Kel-F®)					A																					
PEEK					A					A						A								A		
PVDF				A		A				A	A	A	A					A	A		A	A	A			
UHMWPE					D						A													A		
TPE					B						A															
Poly Acrylate					D						D															
Poly Urethane					D						D															
NBR	A	D	C	D	D	D		B		B	B					A						A		A		A
FPM (Viton®)	A	B	D	A	A	B	A	D		B	A					A						A		A		A
Neoprene					D					B	B					A								A		
EPDM	A	D	D	D	D	D	A	A		B	A					A						A		A		A
Kalrez®	A	A	A	A	A		A	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Grafoil®					A					A														A		
Silicone	A	D	D	D	D			D			B											A		A		
Fluorosilicone	A	A	D	A	D		A	D			B											A		A		

INVENTORY NETWORK



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