

# Chemical compatibility guide

This guide is intended to provide assistance in determining the suitability of various elastomer types in different chemical environments. The ratings are based on volume swell data which has been compiled from published literature, laboratory

tests, actual field experience and informed judgments. As laboratory tests do not necessarily predict end-use performance, it is the user's responsibility to ensure suitability in application.

## Rating System

Rating	Description	Volume Change	Comments
1	Excellent	<10%	Little or no effect.
2	Good	10–20%	Moderate swelling and change in physical properties. May be suitable for static applications.
3	Doubtful	20–40%	Significant swelling and noticeable change in physical properties. Questionable performance, caution advised if used.
4	Do not use	>40%	Not suitable.
	No data available		Insufficient information available for rating.

Volume change (swell) is only an indicator of *fluid* compatibility and is intended as a typical guideline for comparative purposes. Fluid attack of the polymer may affect various physical properties, including tensile strength, hardness and elongation. Elevated temperatures can exacerbate chemical attack on elastomers, therefore in some cases it may be necessary to select special formulations which offer improved performance. Please contact PPE for technical support and assistance when choosing the right elastomer for a specific application.

## Online Interactive Chemical Compatibility Wizard / Material Selector

The following chemical compatibility table is available as an interactive wizard online at [www.prepol.com](http://www.prepol.com). Simply select the appropriate chemicals from the list and the wizard will instantly score the various elastomer types against each chemical individually and collectively. The wizard then allows a

shortlisting of the chemicals and finally suggests the most appropriate PPE elastomer grades for the short-listed chemicals, which can be further sorted and ranked by various criteria including temperature, hardness, colour, compression set, etc.

Select 'Technical' and 'Chemical Compatibility' from the menu.

**NOTE:** The information given in this guide is provided in good faith and believed to be accurate and reliable. For actual applications, appropriate testing and validation is mandatory. No representation, guarantee of performance or warranties of any kind are made.

1 = Excellent  
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 4 = Do not use  
 \* = Special formulation

PPE Prefix	PERLAST®			CR	FEP & PFA			ECO	IIR (Butyl)			ACM	AU & EU			FKM (Fluorocarbon)	FVMQ (Fluorosilicone)		
	G	A	B		C	D	E		H	J	N		P	Q	R		V	W	Z
Chemical or Media	Dynamic And Static Applications															Static Only			
Acetaldehyde	1		3	3	1	2	4	2	3	4	4	3	4	3	3	4	3	2	
Acetamide	1	2	4	2	1	1	2	2	1	4	4	4	3	4	2	1	2	1	
Acetic acid (dilute)	1	2	2	1	1	1	2	1	2	4	4	2	1	4	2	2	1	1	
Acetic acid (glacial)	1	3	3	4	1	2	4	2	2	4	4	2	2	4	2	4	4	2	
Acetic acid (hot, high pressure)	1	3	4	4	1	3	4	4	4	4	4	4	2	4	3	4	4	3	
Acetic anhydride	1	2	4	2	1	2	4	2	4	4	4	2	4	4	4	4	2	2	
Acetic oxide (Acetic anhydride)	1	2	4	2	1	2	4	2	4	4	4	2	4	4	4	4	2	2	
Acetone	1	4	3	3	1	1	4	1	4	4	4	4	4	4	4	4	3	4	
Acetone cyanohydrin	1		3	2	1	4			4			3	4				4		
Acetonitrile (Methyl cyanide)	1	1		1	1	1			2				1	2			1		
Acetophenone	1	4	4	4	1	1	4	2	4	4	4	4	4	4	4	4	4	4	
Acetyl acetone	1	4	4	4	1	1	4	2	4	4	4	4	4	4	4	4	4	4	
Acetyl chloride	1	1	4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	3	
Acetyl salicylic acid (Aspirin)	1			1	1	4			2										
Acetylene (Ethyne)	1	1	2	2	1	1	1	1	1	4	4	2	1	1	1	1	2	2	
Acetylene tetrabromide	1	1	4	2	1	1	4	1	4	4	4	4	1	4	4	2	4	4	
Acrolein (Acrylaldehyde)	1	1	3	2	1	1	4	2	2	4	4	2	1			4	2	4	
Acrylaldehyde	1	1	3	2	1	1	4	2	2	4	4	2	1			4	2	4	
Acrylonitrile (Vinyl cyanide)	1	2	3	3	1	4	4	4	4	4	4	3	3	4	4	4	3	4	
Adipic acid	1	2	1	1	1	2	2	1	1	4	4	1	1	2	1	1	1	1	
Alkane (Dodecyl benzene)	1		4	4	1		4	4		3	4	4	1	2		2	4		
Alkane sulfonic acid	1			1	1	1			3	4			3	3		1	2		
Alkazene (Dibromoethylbenzene)	1	3	4	4	1	4	2	4	4	4	4	4	2	4		2	4	4	
Alkyl aryl sulfonate	1			2	1	4			1	1			1	1		1	2		
Allyl alcohol	1	1	1	2	1	2	2	2	1	4	3	3	2	1		1	1	1	
Allyl bromide	1		4	4	1		4	4		4			4	2			4		
Allyl chloride	1		4	2	1	2			3	2			4	2	1		4		
Alum	1	1	1	1	1	1			1	1	4	1	1	3	1	1	1	1	
Aluminium acetate	1	1	3	2	1	1	2	1	2	4	4	1	3	4	2	4	4	4	
Aluminium bromide	1	1	1	1	1	1			1	1	1	3	1	1	1	1	1	1	
Aluminium chloride	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	2	
Aluminium fluoride	1	1	1	1	1	1	1	1	1		3	2	1	1		1	1	2	
Aluminium hydroxide	1	1	2	1	1	2			1	2			1	2		2			
Aluminium nitrate	1	1	1	1	1	1	1	1	1	4	3	1	1	4	1	1	1	2	
Aluminium phosphate	1	1	1	1	1	1	1	1	1			1	1	1		1	1	1	
Aluminium potassium sulfate	1	1	1	1	1	1			1	1	4	4	1	1	3	4	1	1	
Aluminium salts	1	1	1	1	1	1			1	1	1	3	1	1	1	1	1	1	
Aluminium sodium sulfate	1		1			1			1	1			1	1	1	1			
Aluminium sulfate	1	1	2	1	1	1	2	1	1	4	4	1	1	4	1	1	1	1	
Amines	1	2	2	2	1	2			2	4	4	4	2	4	4	3	4	2	
Aminobenzene (Aniline)	1	1	4	4	1	2	4	2	4	4	4	4	3	4	4	3	4	4	
Aminobutane (Butyl amine)	1	2	3	4	1	3	4	4	3	4	4	4	4	4	4	4	4	3	
Aminosalicic acid	1					1													
Ammonia , anhydrous	1	2	4	1	1	1	3	1	2	4	4	4	4	4	2	4	4	2	
Ammonia gas, cold	1	1	1	1	1	1	1	1	1	4	3	1	4	4	1	4	1	1	

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PPE Prefix	PERLAST®			CR	FEP & PFA		EPR & EPDM		ECO	IIR (Butyl)		NBR (Nitrile)	ACM	AU & EU		NR (Natural Rubber)	FKM (Fluorocarbon)			AEM	HNBR	FVMQ (Fluorosilicone)			CSM	VMQ (Silicone)	
	G	A	B		C	D	E	H		J	N			P	Q		R	V	W			Z	F	L		S	
Chemical or Media	Dynamic And Static Applications																					Static Only					
Ammonia gas, hot	1	2	4	2	1	2	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	1		
Ammonium acetate	1	1	1	2	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium bifluoride	1	1	1	4	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium bisulfite	1	1	1	1	1	1	1	1	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1	2		
Ammonium bromide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium carbonate	1	1	1	1	1	1	1	1	1	2	1	4	4	4	1	1	1	2	4	4	4	4	3	1	2		
Ammonium chloride	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	1	1	1	2	1	1	1	2	1	3		
Ammonium cupric sulfate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium dichromate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium fluoride	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium fluosilicate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium hydrogen fluoride	1	1	1	4	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium hydroxide, 3 molar	1	1	2	1	1	1	1	1	1	2	1	2	4	4	2	1	1	2	2	1	2	2	1	1	1		
Ammonium hydroxide, conc.	1	1	3	2	1	1	1	1	1	2	1	4	4	4	3	1	1	4	2	4	4	3	1	1	1		
Ammonium iodide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium nitrate	1	1	1	1	1	1	1	1	1	2	1	1	4	4	3	2	3	1	1	1	1	1	3	1	3		
Ammonium nitrite	1	1	1	1	1	1	1	1	1	2	1	1	4	4	1	3	4	1	1	1	1	1	3	1	2		
Ammonium oxalate	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	2		
Ammonium perchlorate	1	1	4	1	1	1	1	1	1	1	3	3	4	1	1	1	1	3	3	3	3	1	1	2	2		
Ammonium persulfate	1	1	4	1	1	1	1	1	1	2	1	4	4	4	3	3	4	4	4	4	4	4	4	1	1		
Ammonium phosphate	1	1	1	1	1	1	1	1	1	2	1	1	4	4	1	4	4	1	1	1	1	1	4	1	1		
Ammonium salts	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	1	3	1	1		
Ammonium sulfate	1	1	2	1	1	1	1	1	1	2	1	1	4	4	1	4	4	1	1	1	1	1	4	1	1		
Ammonium sulfide	1	1	2	1	1	1	1	1	1	2	1	3	4	4	3	4	4	3	3	3	3	4	4	3	3		
Ammonium sulfite	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium thiocyanate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Ammonium thiosulfate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Amyl acetate	1	3	4	4	1	1	1	1	1	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Amyl alcohol (Pentanol)	1	1	2	2	1	1	1	1	1	1	1	2	4	4	2	2	3	2	2	2	2	2	2	2	4		
Amyl amine	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	3		
Amyl borate	1	1	4	2	1	4	1	1	1	4	1	1	4	4	1	4	1	1	1	1	1	1	1	1	1		
Amyl chloride (Chloropentane)	1	1	4	4	1	4	1	1	1	4	3	3	4	2	1	1	2	2	2	2	2	2	2	4	4		
Amyl chloronaphthalene	1	2	4	4	1	4	1	1	1	4	4	4	3	4	4	1	4	4	4	4	4	4	4	4	4		
Amyl naphthalene	1	2	4	4	1	4	1	1	1	4	4	4	3	4	4	1	2	4	4	4	4	4	4	4	4		
Amyl nitrate	1	1	4	1	1	1	1	1	1	1	2	2	4	1	1	3	2	2	2	2	2	2	2	2	2		
Amyl phenol	1	1	4	1	1	1	1	1	1	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	4		
Aniline (Aminobenzene)	1	1	4	4	1	2	1	1	1	4	2	4	4	4	4	3	4	4	4	4	4	4	4	4	4		
Aniline dyes	1	1	2	2	1	2	1	1	1	4	2	4	4	4	3	2	3	4	4	4	4	4	4	4	3		
Aniline hydrochloride	1	1	3	4	1	3	1	1	1	4	2	3	4	4	3	2	4	2	2	2	2	2	2	4	3		
Aniline oil	1	2	4	4	1	2	1	1	1	4	2	4	4	4	3	3	4	4	4	4	4	4	4	4	4		
Aniline sulfate	1	1	4	1	1	1	1	1	1	3	1	1	4	1	1	3	1	1	1	1	1	1	1	1	2		
Animal oils & fats	1	1	4	2	1	2	1	1	1	1	2	1	1	2	4	1	1	1	1	1	1	1	1	3	2		
Anisole (Methyl phenyl ether)	1	1	4	4	1	1	1	1	1	4	1	1	4	4	3	3	1	1	1	1	1	1	1	1	2		
Anone (Cyclohexanone)	1	3	4	4	1	2	1	1	1	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4		

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	G	A	B		C	D													E
Chemical or Media	Dynamic And Static Applications															Static Only			
Anthraquinone	1		1		1	1		1	2		4	2						1	
Antifreeze	1	1	1		1	1	1	2	1	2	4	4	2	1	1	2	1	1	1
Antimony pentachloride	1		4		1			4	4			4						4	
Antimony trichloride	1		2		2	1	2	2	1			2	2					2	
Aqua regia	1	3	4		4	1	3	4	4	4	4	4	4	2	4	4	3	4	4
Argon	1	1	4		4	1	1	1	2	3	1	1	4	1	1	2	2	4	2
Aromatic fuels	1	2	4		4	1	4		4	2	4	4	4	1	4	2	2	4	4
Arsenic acid	1	1	1		1	1	1	1	1	2	3	3	2	1	4	1	1	1	1
Arsenic trichloride	1		4		1	1	3		4	2			4	4	2			4	
Ascorbic acid	1		4		1	1			3		4	1	1	1	3		1	2	
Askarel	1	1	4		4	1	4		4	2	4	4	4	1	4	2	2	4	4
Asphalt	1		4		2	1	4	1	4	2	2	2	4	1	1		2	4	4
ASTM fluid 101	1		4		4	1	4	3	4	3	4	4	4	1	4	4	1	4	4
ASTM fuel A (aliphatic)	1	3	4		2	1	4	1	4	1	2	1	4	1	1	1	1	2	4
ASTM fuel B (30% aromatic)	1	4	4		4	1	4	2	4	1	4	2	4	1	3	1	1	4	4
ASTM fuel C (50% aromatic)	1	4	4		4	1	4	2	4	2	4	4	4	1	4	2	2	4	4
ASTM fuel D	1	4	4		4	1	4	2	4	1	2	3		1	2		1	4	4
ASTM oil 1 (high aniline)	1	1	4		1	1	4	1	4	1	1	1	4	1	1	1	1	2	1
ASTM oil 2 (medium aniline)	1	2	4		3	1	4	1	4	1	1	2	4	1	1	1	1	4	4
ASTM oil 3 (low aniline)	1	3	4		4	1	4	1	4	1	1	2	4	1	2	1	1	4	3
ASTM oil 4 (high aniline)	1	2	4		4	1	4		4	2	2	4	4	1	2		2	4	4
Automatic transmission fluid	1	1	4		2	1	4		4	1	1	2	4	1	1	1	2	3	4
Barium carbonate	1	1	1		1	1	1		1	1			1	1	1			1	
Barium chlorate	1		4		1	1			3			1		3	3		1	2	
Barium chloride	1	1	1		1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
Barium cyanide	1				1	1			3					1					
Barium hydrate	1	1	1		1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
Barium hydroxide	1	1	1		1	1	1	1	1	1	4	4	1	1	3	1	1	1	1
Barium nitrate	1				1	1	1		1					3			1	2	
Barium salts	1	1	1		1	1	1		1	1	1	1	1	1	1		1	1	1
Barium sulfate	1	1	1		1	1	1	1	1	1	4	1	1	1	4	1	1	1	1
Barium sulfide	1	1	2		1	1	1	1	1	1	4	1	1	1	3	1	1	1	1
Beer	1	1	4		1	1	1		1		2	1	1	1	4	1	1	1	
Benzal chloride	1	1	4		4	1	4	4	3	4	3	4	4	1	4		2	4	4
Benzaldehyde	2	2	4		4	1	1	4	1	4	4	4	4	4	4	4	4	4	4
Benzene (Benzol)	1	3	4		4	1	4	4	4	4	4	4	4	1	4	4	1	4	4
Benzene sulfonic acid, 10%	2		4		2	1	4	4	4	4	4	4	4	1	4	4	2	1	4
Benzine (Ligroin) (Nitrobenzine)	1	2	4		2	1	4	1	4	1	1	2	4	1	4	1	1	3	4
Benzochloride	1	1	4		4	1	1		2	4	4	4		1			1	4	
Benzoic acid	1	1	4		4	1	4	2	4	4	4	4	4	1	4	4	2	4	4
Benzophenone	1	1	4		4	1	2	4	2	4	4	4	4	1	4	4	1	4	2
Benzoyl chloride	1	1	4		4	1	4	4	4	4	3	4	4	1	4	4	2	4	4
Benzoyl peroxide	1				1	1													
Benzyl acetate	1		4		1			2	4			4		4					
Benzyl alcohol	1	1	4		2	1	2	4	2	4	4	4	4	1	4	4	2	2	1

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	G	A	B		C	D	E	H		J	N	P			Q	R		V	W	Z			F	L	S			
Chemical or Media	Dynamic And Static Applications																					Static Only						
Benzyl benzoate	1	2	4	4	1	2	4	2	4	4	4	4	1	4	4	1	4	4	1	4	4	1	4	4				
Benzyl chloride (Chlorotoluene)	1	1	4	4	1	4	4	4	4	4	4	4	4	4	4	1	4	4	2	4	4	2	4	4				
Benzyl dichloride	1	1	4	4	1	4	4	3	4	3	4	4	1	4	4	2	4	4	2	4	4	2	4	4				
Beryllium chloride	1		3	3	1	1			1	3	1	3	1		1		1		3		3			3				
Beryllium sulfate	1		4		1	1			1	3			4	1			3		3		3			1	1	2		
Biphenyl (Phenylbenzene)	1	2	4	4	1	4	4	4	4	4	4	4	4	4	4	1	4	4	2	4	4	2	4	4				
Bismuth carbonate	1	1		1	1	1			1							1												
Black sulfate liquors (cold)	1	1	2	2	1	2			2	2			4	4	2	1								2	2	2		
Blast furnace gas	1	1	4	4	1	4			4	4			4	4	4	1		4						2	4	1		
Bleach liquor	1	1	4	3	1	1			2	1	3		4	4	4	1	3	2						2	1	2		
Borax (Sodium borate)	1	1	2	4	1	1			1	1	2		3	3	2	1	1	1						2	4	2		
Bordeaux mixture	1	1	2	2	1	1			1	2			4	4	2	1								2	1	1		
Boric acid (Boracic acid)	1	1	1	1	1	1			1	1	1		4	3	1	1	2	1						1	1	1		
Boron fluids (HEF)	1	1	4	4	1	4			1	4	2		4	4	4	1								2	4	4		
Boron trichloride	1					1																						
Brake fluid (glycol base)	1	1	1	2	1	1			4	2	3		4	4	4	4	4	3						4	2	3		
Brake fluid (mineral oil base)	1	1	4	2	1	4			1	4	1		1	1	4	1	1	1						1	2	3		
Brake fluid (silicone oil base)	1	1	1	2	1	1			4	2	3		4	4		4	4	3						4	2	3		
Brine (Salt water)	1	1	1	2	1	2			2	1	1		4	3	4	1	1	1						1	1	1		
Bromide	1		4	4	1	4					4					1										4		
Bromine	1	1	4	4	1	4			4	4	4		4	4	4	1	4	4						2	4	4		
Bromine pentafluoride	2	4	4	4		4			4	4	4		4	4	4	4	4	4						4	4	4		
Bromine trifluoride	2	4	4	4	4	4			4	4	4		4	4	4	4	4	4						4	4	4		
Bromobenzene	1	4	4	4	1	4			4	4	4		4	4	4	1	4	4						2	4	4		
Bromochloro trifluoroethane	1	1	4	4	1	4			4	4			4	4	4	1		4						2	4	4		
Bromochloromethane	1	1	4	4	1	2			2	4					4	2		4								4		
Bromoethane (Ethyl bromide)	1	1	3	4	1	4			2	4	2		4	3	4	1	4	2						1	4	4		
Bromotoluene	1		4			1			4	4					4	2										4		
Bromotrifluoromethane	2	1	1	1	1	1			1	1	1		2	1	1	1	2	1						2	1	4		
Bunker oil	1	1	4	4	1	4			4	1			1	2	4	1	1	1							1	4	2	
Butadiene	1		4	4	1	4			4	4	4		4	4	4	1	4	4							1	4	4	
Butane (Butyl hydride) (LPG)	1	3	3	2	1	4			1	4	1		1	4	4	1	3	1							1	2	4	
Butanediol	1		1	2	1	1			1	4					2	1										2		
Butanol (Butyl alcohol)	1	1	1	1	1	2			4	2	2		4	4	1	1	1	1							1	1	3	
Butene (Butylene)	1		4	3	1	4			1	4	2		4	4	4	1	4	2							2	4	4	
Butoxyethanol (Butyl cellosolve)	1	3	4	3	1	2			3	2	3		4	4	4	4	4	4							4	4	4	
Butter	1	1	4	2	1	2			1	2	1		1	2	4	1	1	1							1	3	2	
Butyldiol (Butyl carbitol)	1	2	4	3	1	1			1	1	4		4		4	2		4							4	4	4	
Butyl acetate	1	4	4	4	1	2			4	2	4		4	4	4	4	4	4							4	4	4	
Butyl acetyl ricinoleate	1	1	4	2	1	1			1	2			1	4	4	1		2							2	2		
Butyl acrylate	1	4	4	4	1	4			4	4	4		4	4	4	4	4	4							4	4	1	
Butyl alcohol (Butanol)	1	1	1	1	1	2			4	2	2		4	4	1	1	1	1							1	1	3	
Butyl amine (Aminobutane)	1	2	3	4	1	3			4	4	3		4	4	4	4	4	4							4	4	3	
Butyl benzoate	1		4	4	1	1			4	1	4		4	4	4	1	4	4							1	4	4	
Butyl bromide	1		4			1			4	4					4		2										4	

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PPE Prefix	PERLAST®			CR	FEP & PFA		ECO	IIR (Butyl)		NBR (Nitrile)	ACM	AU & EU		NR (Natural Rubber)	FKM (Fluorocarbon)		AEM	HNBR	FVMQ (Fluorosilicone)			CSM	VMQ (Silicone)
	G	A	B		C	D		E	H			J	N		P	Q			R	V	W		
Chemical or Media	Dynamic And Static Applications																			Static Only			
Butyl butyrate	1		4	4	1	1		2	4		4	4		1						1	4		
Butyl carbitol	1	2	4	3	1	1		1	1	4	4	4		2	4	4				4	4	4	
Butyl cellosolve (Butoxyethanol)	1	3	4	3	1	2		3	2	3	4	4	4	4	4	4				4	4	4	
Butyl chloride (Chlorobutane)	1		4			1		3	3				4	2	3					1	4	2	
Butyl ether	1		4	4	1	3		4	3	3	4	2	4	4	4					3	4	4	
Butyl hydride (Butane)	1	3	3	2	1	4		1	4	1	1	4	4	1	3	1				1	2	4	
Butyl oleate	1	1	4	4	1	2		4	2	4	4	4	4	1	4	4				2	4	3	
Butyl phenol	1		4	4	1	4		4	4		3	4	4	1						4	4		
Butyl phthalate (Dibutyl phthalate)	1		4	4	1			1	4				4	3						4			
Butyl stearate	1	1	4	4	1	4		2	4	2	4	4	4	1	1	2				2	4	3	
Butylene (Butene)	1		4	3	1	4		1	4	2	4	4	4	1	4	2				2	4	4	
Butyraldehyde	2	3	4	4	1	2		4	2	4	4	4	4	4	4	4				4	4	4	
Butyric acid	1	2	4	4	1	2		4	2	4	4	4	4	2	4	4				4	4	4	
Butyric anhydride	1		4			1		3	3				3							2			
Butyrone (Dipropyl ketone)	1		4			1		2	4				4	4						4			
Cadmium chloride	1		4	1	1	1		1	3		4	1	1	3	3					1	1	2	
Cadmium nitrate	1		4		1	1			3			1	1		3					1	1	2	
Cadmium sulfate	1		4	1	1	1			3		4		1		3					1	1	2	
Calcine liquors	1	1			1	1		1	1		4	4		1	1					1			
Calcium acetate	1	1	3	2	1	2		3	1	3	4	4	1	4	4	2				4	4	4	
Calcium bisulfate	1			2	1	2			1					1									
Calcium bisulfide	1		4	1	1	1			3		4		1		3					1	1	2	
Calcium bisulfite	1	1	4	1	1	4		4	4	1	4	3	4	1	4	1				2	1	3	
Calcium bromide	1		1	1	1	1		1	1		1	1	1	1	1	1				1	1	1	
Calcium carbonate	1	1	1	1	1	1		1	1		3	3	1	1	1	1				1	1	1	
Calcium chlorate	1	1		1	1	1			1					1	1								
Calcium chloride	1	1	1	1	1	1		1	1	1	3	3	1	1	1	1				1	1	1	
Calcium cyanide	1	1	1	1	1	1		2	1	1	4	4	1	1	2	1				1	1	1	
Calcium hydrosulfide	1		1			1		1	1				1	1						1			
Calcium hydroxide	1	1	1	1	1	1		1	1	1	4	4	1	1	3	1				1	1	3	
Calcium hypochloride	1	1	4	4	1	1		2	1	4	4	4	4	1	4					1	1	3	
Calcium hypochlorite	1	1	3	3	1	1		2	1	3	4	4	3	1	4	2				2	1	2	
Calcium nitrate	1	1	1	1	1	1		1	1	1	3	3	1	1	2	1				1	1	2	
Calcium oxichloride	1	1	4	3	1	2		2	2	2	4	4	2	1	2					2	2	2	
Calcium oxide	1		1	1	1	1		1	1		1	1	1	1	1	1				1	1	1	
Calcium permanganate	1					1			1					1									
Calcium phosphate	1	1	1	2	1	1		1	1		1	1	1	1	1					1	1	1	
Calcium salts	1	1	1	1	1	1		1	1		1	1	1	1	1					1	1	2	
Calcium silicate	1	1	1	1	1	1		1	1				1	1	1					1			
Calcium sulfate (Gypsum)	1	1	1	1	1	1		1	1				1	1	1					1			
Calcium sulphydrate	1		1			1		1	1				1	1	1					1			
Calcium sulfide	1	1	2	1	1	1		2	1	2	4	1	2	1	4	1				1	1	2	
Calcium sulfite	1	1	2	1	1	1		1	1		4	1	2	1	1					1	1	1	
Calcium thiosulfate	1	1	2	1	1	1		2	1	2	4	3	2	1	2	2				1	1	1	
Caliche liquors	1	1	1	1	1	1		1	1		1	1	1	1	1					1	1	2	

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PPE Prefix	PERLAST®			CR	FEP & PFA		EPR & EPDM		ECO	IIR (Butyl)		NBR (Nitrile)		ACM	AU & EU		NR (Natural Rubber)		FKM (Fluorocarbon)	AEM	HNBR	FVMQ (Fluorosilicone)			CSM	VMQ (Silicone)	
	G	A	B		C	D	E	H		J	N	P	Q		R	V	W	Z				F	L	S			
Chemical or Media	Dynamic And Static Applications																				Static Only						
Camphor	1		4	2	1	4			4	1			4					2					4				
Cane sugar liquor	1	1	1	1	1	1			1	1	2			4	4	1			1	1	2		1	1	1		
Capric acid (Caproic acid)	1		2	2	2	1	4				1			1	4				1		1		1	2	2		
Caproic aldehyde	1			4	1	1	2				2	4		4	4	2			4				4		2		
Capryl alcohol (Octanol)	1	1	2		2	1	1			2	2	2		4	4	2			1	2	2		2	2	2		
Carbamate	1			4	2	1	2			2	3			4	4	4			1	4			1	2			
Carbinol (Methanol)	1	1	1		1	1	1			2	1	2		4	4	1			1	1	1		2	1	2		
Carbitol	1	2	2		2	1	2			2	2			4	4	2			2	4			2	2	2		
Carbolic acid (Phenol)	1	1	4		4	1	2			4	2	4		4	4	4			1	4	4		1	4	4		
Carbon bisulfide	1	1	4		4	1	4			4	4	4		3	4	4			1	4	2		1	4	3		
Carbon dioxide, dry	1	1	2		2	1	2			1	2	1		2	1	2			2	1	1		2	2	2		
Carbon dioxide, wet	1	1	2		2	1	2			1	2	1		2		2			2	1	1		2	2	2		
Carbon disulfide	1	1	4		4	1	4			4	4	4		3	4	4			1	4	3		1	4	3		
Carbon monoxide	1	1	3		3	1	2			1	2	1		1	1	2			1	1	1		2	2	1		
Carbon tetrachloride	2	4	4		4	1	4			2	3	2		4	4	4			1	4	2		2	4	4		
Carbonic acid	1	1	2		1	1	1			1	1	2		3	3	1			1	1	2		1	1	1		
Castor oil	1	1	2		1	1	2			1	2	1		1	1	2			1	2	1		1	1	1		
Caustic potash	1	2	2		2	1	1			2	1	2		4	2	2			2	4			2	2	3		
Caustic soda	1	1	2		2	1	1			2	1	2		4	2	2			2				2	2	3		
Cellosolve	1	1	4		4	1	2			4	2	4		4	4	4			4	4	4		4	4	4		
Cellosolve, acetate	1	3	4		4	1	2			4	2	4		4	4	4			4	4	4		4	4	4		
Cellosolve, butyl	1	2	4		3	1	2			4	2	4		4	4	4			4	4	4		4	4	4		
Cellosolve, methyl	1	2	4		3	1	2			4	2	4		4	4	4			4	4	4		4	4	4		
Cellulose acetate (CA)	1	3			4	1	2					4							4	4	4						
Cetane (Hexadecane)	1	1	4		2	1	4			4	1			1	4	4			1		1		3	2	4		
Cetyl alcohol	1		1			1	4				1										1		1	2	2		
China Wood oil (Tung oil)	1	1	4		2	1	4			3	1			1	3	4			1	2	1		2	3	4		
Chloral hydrate	2		3		3	1	3			3	4				4				3				2				
Chloramine-T	1		1		1	1	1			1	1				1						1		1				
Chlordane	1	1	4		3	1	4			4	2				4				1		2		2	3	4		
Chlorextol	1	1	4		2	1	4			4	2			2	4	4			1		2		2	4	4		
Chloric acid	1		4		4	1	1			2	4				4				1				1				
Chlorinated brine	1	1	4		4	1	4			4	4			4	4	2			1		4		1	2	4		
Chlorinated lime	1	1	4		3	1	2			2	2	2		4	4	2			1	2			2	2	2		
Chlorinated solvents	1	4	4		4	1	4			4	4			4	4	4			1		4		1	4	4		
Chlorine dioxide	1	3	4		4	1	3			4	3	4		4	4	4			2	4	4		2	3	3		
Chlorine trifluoride	2	4	4		4	4	4			4	4	4		4	4	4			4	4	4		4	4	4		
Chlorine, dry	1	3	4		4	1	4			2	4	4		4	4	4			1	4	3		1	4	4		
Chlorine, wet	1	3	4		3	1	4			3	4	4		4	4	4			1	4	3		2	3	3		
Chloroacetic acid	1	2	4		4	1	2			4	2	4		4	4	4			4	4	4		4	4	3		
Chloroacetone	1	4	4		4	1	1			4	2	4		4	4	4			4	4	4		4	4	4		
Chlorobenzene	1	2	4		4	1	4			4	4	4		4	4	4			1	4	4		2	4	4		
Chlorobromomethane	1	3	4		4	1	2			4	2	4		4	4	4			1	4	4		2	4	4		
Chlorobutadiene (Chloroprene)	1	2	4		4	1	4			4	4	4		4	4	4			1	4	4		2	4	4		
Chlorobutane (Butyl chloride)	1		4		1					3	4				4				2				4				

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	G	A	B		C	D													E
Chemical or Media	Dynamic And Static Applications															Static Only			
Chlorodifluoromethane	1	1	2	1	1	1	1	1	4	2	4	2	4	4		4	1	4	
Chlorodiphenyl				4		4		4	4				1			4			
Chlorododecane	1	2	4	4	1	4		4	4	4	4	4	1		4	1	4	4	
Chloroethylene (Vinyl chloride)	1	2	4	4	1	3		4	3	4	4	4	1	4	4	2	4	4	
Chloroform	1	4	4	4	1	4		4	4	4	4	4	1	4	4	2	4	4	
Chloronaphthalene	1	4	4	4	1	4		4	4			4	1			2	4	4	
Chloronitroethane			4	4				4	4	4	4		3			4			
Chloropentafluoroethane	1		1	1	1	1		1	1	1	1	2	1	2	1	3	1	3	
Chloropentane (Amyl chloride)	1		4	4	1	4		4	4		4	4	2			2	4	4	
Chloroprene (Chlorobutadiene)	1	2	4	4	1	4		4	4	4	4	4	1	4	4	2	4	4	
Chlorosulfonic acid	1	1	4	4	1	4		4	4	4	4	4	4	4	4	4	4	4	
Chloroethene (Trichloroethane)	1	2	4	4	1	4		4	4	4	4	4	1	4	4	2	4	4	
Chlorotoluene (Benzyl chloride)	1	1	4	4	1	4		4	4	4	4	4	1	4	4	2	4	4	
Chlorotrifluoroethylene (CTFE)	2					1			4										
Chlorotrifluoromethane	2	1	2	1	1	1		1	1	1	2	4	2	3	1	1	3	1	4
Chlorox	1	1	4	2	1	2		1	2	2	3	3	3	1	3	2	1	2	2
Chrome plating solution	1	1	4	4	1	2			2	4	4	4	4	1	4	4	2	4	2
Chromic acid, 50%	1	1	4	4	1	2		3	3	4	4	4	4	1	4	4	3	2	3
Chromic oxide (aqueous)	1	1	4	4	1	2			2	4	4	4	4	1	4	2	1	2	2
Chromium sulfate	1	2				1	2			2				1	2				
Citric acid	1	1	1	1	1	1		1	1	1	3	3	1	1	1	1	1	1	1
Cobalt chloride	1	1	1	1	1	1		2	1	1	3	3	1	1	2	1	1	1	2
Coconut oil	1	1	4	3	1	3		1	3	1	1	3	4	1	1	1	1	3	1
Cod liver oil	1	1	4	2	1	1		1	1	1	1	1	4	1	3	1	1	2	2
Coffee	1	1	1	1	1	1		4	1	2	4	4	3	1	3	2	1	1	1
Coke oven gas	1	1	4	4	1	4		4	4		4	4	4	1	4	2	4	2	2
Coliche liquors	1		2	1	1	2		2	2				1						
Coolanol	1	1	4	1	1	4		4	1		4	4	4	1	1	2	2	4	4
Copper acetate	1	4	4	2	1	1		3	1	2	4	4	1	4	4	2	4	4	4
Copper carbonate	1		1			1		1	2		4	1	3	1	1	1	1	2	2
Copper chloride	1	1	1	2	1	1		2	1	1	3	3	3	1	2	1	1	2	1
Copper cyanide	1	2	1	1	1	1		1	1		1	1	1	1	1	1	1	1	1
Copper salts	1	1	1	1	1	1		1	1		1	1	1	1	1	1	1	1	1
Copper sulfate, 10%	1	1	2	1	1	1		2	2	1	4	3	3	1	2	1	1	1	1
Copper sulfate, 50%	1	1	2	1	1	1		2	1		4	3	2	1	4	1	1	1	1
Copper sulfide	1		1			1		1	1				3	1					1
Corn oil	1	1	4	3	1	3		1	3	1	1	1	4	1	1	1	1	3	1
Cottonseed oil	1	1	4	3	1	3		1	3	1	1	1	4	1	1	1	1	3	1
Creosote (coal tar)	1	1	4	2	1	4		4	4	1	1	3	4	1	3	1	1	4	4
Creosote (wood tar)	1	1	4	2	1	4		4	4	1	1	3	4	1	4	2	1	4	4
Cresol (Cresylic acid)	1	1	4	4	1	4		4	4	4	4	4	4	1	4	2	2	4	4
Crotonaldehyde	1		4	1	1	2		1	2				4	2					2
Crotonic acid	1		4	2	1	2		2	4		4	4	4	3	4		4	4	4
Crude oil	1	1	4	4	1	4		1	4	2	1	4		1	1	1	2	4	4
Cumene (Isopropyl benzene)	1	3	4	4	1	4		4	4	4	4	4	4	1	4	4	2	4	4

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	G	A	B		C	D	E	H		J	N	P	Q		R	V	W	Z	F	L			S					
Chemical or Media	Dynamic And Static Applications																					Static Only						
Cupric chloride (Copper chloride)	1	1	1	2	1	1	2	1	1	3	3	3	1	2	1	1	2	1	1	2	1	1	1	1	2	1		
Cutting oil	1	1	4	2	1	4	4	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	2	4		
Cyclohexane	1	2	4	3	1	4	1	4	1	2	1	4	1	2	1	1	1	2	1	1	2	1	1	4	4			
Cyclohexanol	1	1	4	2	1	4	4	4	2	4	4	4	1	3	2	1	3	2	1	3	2	1	3	4	4			
Cyclohexanone	1	3	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Cyclopentane	1	4	1	1	4	4	4	4	4	4	4	4	1	4	1	4	1	4	1	4	4	4	4	4	4			
Cymene (Isopropyltoluene)	1	4	4	1	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4			
Decahydronaphthalene	1	4	4	1	4	4	3	4	4	4	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4			
Decalin	1	4	4	1	4	4	3	4	4	4	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4			
Decanal	1	4	1	4	1	4	1	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Decane	1	1	4	3	1	4	1	4	1	1	2	4	1	3	1	4	1	3	1	4	1	3	2	1	3	2		
Decanol (Decyl alcohol)	1	1	4	4	1	4	1	1	1	4	4	1	2	2	1	4	1	2	1	4	1	1	1	1	1			
Denatured alcohol	1	1	1	1	1	1	1	1	2	4	4	1	1	2	2	4	1	2	2	1	2	2	1	1	1			
Detergent solution	1	1	2	2	1	1	2	1	1	4	4	2	1	3	1	4	2	3	1	1	3	1	1	2	1			
Developing fluid (photographic)	1	1	2	1	1	2	2	1	2	4	4	1	1	1	1	4	1	1	1	1	1	1	1	1	1			
Dextron	1	1	4	2	1	4	4	1	4	1	2	4	1	1	1	4	1	1	1	4	1	1	1	4	4			
Dextrose	1	1	1	1	1	1	1	1	1	4	4	1	1	1	1	4	1	1	1	4	1	1	1	1	1			
Diacetone (Diacetone alcohol)	1	4	4	4	1	1	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Diazinon	1	4	3	1	4	4	3	4	4	4	3	4	2	4	2	4	3	4	4	4	4	4	4	4	4			
Dibenzyl ether	1	3	4	4	1	2	4	2	4	4	3	4	4	3	4	4	3	4	4	4	4	4	4	4	2			
Dibenzyl sebacate	1	2	4	4	1	2	2	4	4	4	2	4	2	4	4	4	2	4	4	4	4	4	4	4	3			
Dibromoethyl benzene	1	3	4	4	1	4	2	4	4	4	4	4	2	4	4	4	2	4	4	4	4	4	4	4	4			
Dibutyl amine	1	2	4	3	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3			
Dibutyl ether	1	4	4	4	1	3	4	3	4	3	2	4	3	4	4	3	4	4	4	4	4	4	4	4	4			
Dibutyl phthalate (DBP)	1	2	4	4	1	2	2	3	4	4	3	4	3	4	4	4	3	4	4	4	4	4	4	4	2			
Dibutyl sebecate (DBS)	1	2	4	4	1	2	3	2	4	4	4	4	2	4	4	4	2	4	4	4	4	4	4	4	2			
Dichloro isopropyl ether	1	3	4	4	1	3	4	4	4	3	2	4	3	3	4	4	3	3	4	4	4	4	4	4	4			
Dichloroacetic acid	1*	4	4	1	1	3	4	4	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Dichlorobenzene	1	4	4	1	4	4	4	4	4	4	4	4	1	4	4	4	1	4	4	4	4	4	4	4	4			
Dichlorobutane	1	1	4	4	1	4	4	2	4	4	4	4	1	2	4	4	1	2	4	4	4	4	4	4	4			
Dichlorodifluoromethane	1	2	1	1	1	2	1	2	1	1	2	2	2	1	1	2	2	1	1	4	1	1	1	4	4			
Dichloroethyl ether	1	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Dichloroethylene	1	4	4	1	4	4	4	4	4	4	4	4	2	4	4	4	2	4	4	4	4	4	4	4	4			
Dichlorofluoromethane	2	4	2	1	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Dichlorotetrafluoroethane	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	4	1	1	1	4	4			
Dicyclohexylamine	1	3	4	4	1	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Diesel oil	1	1	4	3	1	4	1	4	1	1	3	4	1	2	1	4	1	2	1	4	1	1	1	4	4			
Diester synthetic lubricant	1	1	4	4	1	4	4	2	4	2	4	4	1	2	4	4	1	2	4	4	4	4	4	4	4			
Diethanol amine (DEA)	1	2	1	1	1	1	1	2	1	2	4	1	2	3	2	4	1	2	4	4	4	4	4	4	4			
Diethyl amine	1	3	3	1	3	4	3	3	4	3	3	3	4	3	3	4	3	3	4	4	4	4	4	4	3			
Diethyl benzene	1	4	4	1	4	4	4	4	4	4	4	4	1	4	4	4	1	4	4	4	4	4	4	4	4			
Diethyl carbonate	1	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Diethyl ether	1	4	4	3	1	3	3	4	3	3	3	4	3	3	4	3	3	4	3	4	3	4	3	4	4			
Diethyl phthalate (DEP)	1	4	4	1	4	4	1	4	1	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4			
Diethyl sebacate	1	2	4	4	1	3	2	3	4	4	4	4	2	4	3	4	4	3	4	4	4	4	4	4	2			

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PPE Prefix	PERLAST®												FVMQ (Fluorosilicone)					
	G	A	B	C	D	E	H	J	N	P	Q	R	V	W	Z	F	L	S
Chemical or Media	Dynamic And Static Applications															Static Only		
Diethylene ether (Dioxane)	1	4	4	4	1	2	4	2	4	4	4	4	4	4	3	4	4	4
Diethylene glycol (Digol)	1	1	3	1	1	1	2	1	1	4	4	2	1	2	1	1	1	2
Diethylene triamine	1				1				2									
Difluorodibromomethane	1		4	4	1	2		2	4	4	4	4				4	4	4
Diisobutyl ketone	1		4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Diisobutylene	1		4	4	1	4	2	4	2	4	4	4	1	4	3	3	4	4
Diisodecyl adipate (DIDA)	1		4			1			1	4		4	3				4	
Diisodecyl phthalate (DIDP)	1		4	4	1	1			1	4		4	3				4	
Diisooctyl adipate (DIOA)	1		4			1			1	4		4	3				4	
Diisooctyl phthalate (DIOP)	1		4			1			1	4		4	3				4	
Diisooctyl sebecate (DIOS)	1		4	4	1	3		4	3	4	4	4	2	4		3	4	3
Diisopropyl amine			2			1		1	2			2					3	
Diisopropyl benzene	1		4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	3
Diisopropyl ketone	1		4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Dimethyl amine (DMA)	1		4	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4
Dimethyl aniline	1		4	4	1	3	4	3	3	4	4	4	4	4	4	4	4	4
Dimethyl ether	1	4	4	3	1	3	4	3	2	4	4	4	2	4		1	4	1
Dimethyl formamide (DMF)	1	1	4	4	1	3	4	3	2	4	4	4	4	4	2	4	4	2
Dimethyl ketone (Acetone)	1	4	3	3	1	1	4	1	4	4	4	4	4	4	4	4	3	4
Dimethyl phthalate	1	2	4	4	1	2	4	2	4	4	4	4	2	4	4	2	4	1
Dimethyl sulfate			4			1		3	4			4	2				4	
Dimethyl sulfide	1		4			1	4	3		1	4	4	1			1	4	2
Dinitrotoluene (DNT)	1	4	4	4	1	4		4	4	4	4	4	3	4	4	4	4	4
Dioctyl phthalate (DOP)	1	2	4	4	1	2	3	2	3	4	3	4	2	3	3	2	4	3
Dioctyl sebacate	1	1	4	4	1	2	3	2	4	4	2	4	2	4	4	3	4	3
Dioxane	1	4	4	4	1	2	4	2	4	4	4	4	4	4	3	4	4	4
Dioxolane	1	4	4	4	1	2	4	3	4	4	4	4	4	4	4	4	4	4
Dipentene (Limonene)	1	3	4	4	1	4	4	4	2	4	4	4	1	4	2	3	4	4
Diphenyl (Phenylbenzene)	1	2	4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	4
Diphenyl oxide (Phenyl ether)	1	2	4	4	1	4	4	4	4	4	4	4	1	3	4	2	4	3
Dipropyl ketone (Butyrene)	1		4			1		2	4			4	4				4	
Dipropylamine	1		2			1		1	2			2					3	
Dipropylene glycol	1		1			1		1	1			1	1	1			1	
Divinyl benzene (DVB)	1	3	4	4	1	4	4	4	4	4	3	4	2	3		3	4	4
Dodecyl benzene (Alkane)	1		4			1		4	4			4	1				4	
Drinking water	1	1	2	1	1	1	2	1	1	4	4	1	1	1		1	1	1
Dry cleaning fluids	2	3	4	4	1	4	4	4	3	4	4	4	1	4	3	2	4	4
DTE light oil	1	1	4	2	1	4		4	1	1	2	4	1	2	1	1	4	4
Epichlorohydrin	2	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Epoxy resin	1	2	1	1	1	1		1	3				4				3	
Epsom salts	1	1	2	2	1	1	2	1	1	4	4	2	1	2	1	1	1	1
Ethanal (Acetaldehyde)	1		3	3	1	2	4	2	3	4	4	3	4	3	3	4	3	2
Ethane	1		4	2	1	4	1	4	1	1	3	4	1	2	1	2	2	4
Ethanethiol (Ethyl mercaptan)	1	1	4	3	1	3	4	4	4	4	4	4	1	4	4	3	2	3
Ethanol	1	1	1	1	1	1	2	1	2	4	4	1	1	2	2	1	1	1

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PPE Prefix	PERLAST®			CR	FEP & PFA		EPR & EPDM		ECO	IIR (Butyl)	NBR (Nitrile)	ACM	AU & EU	NR (Natural Rubber)	FKM (Fluorocarbon)	AEM	HNBR	FVMQ (Fluorosilicone)	CSM	VMQ (Silicone)
	G	A	B		C	D	E	H												
Chemical or Media	Dynamic And Static Applications																	Static Only		
Ethanol amine	1	1	2	2	1	2	2	2	2	2	2	4	3	2	4	4	2	4	3	2
Ether	1	4	4	3	1	3	3	4	3	3	4	3	3	4	3	4	3	3	4	4
Ethyl acetate	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4	4	2
Ethyl acetoacetate	1		3	4	1	2	4	2	4	4	4	3	4	4	4	4	4	4	4	2
Ethyl acrylate	1	3	4	3	1	3	4	2	4	4	4	4	4	4	4	4	4	4	4	2
Ethyl acrylic acid	1		4	2	1	2		2	4	4	4	4	4	4				4	4	4
Ethyl alcohol	1	1	1	1	1	1		2	1	2	2	4	4	1	1	3	2	1	1	1
Ethyl aluminium dichloride	1		4			1			4	4				4	2			4		
Ethyl amine (Monoethylamine)	1		3	3	1	1			2	3				3	4				3	
Ethyl benzene	1	2	4	4	1	1		4	4	4		4	4	4	1	4	4	1	4	4
Ethyl benzoate	1	3	3	4	1	4		4	4	4		4	4	4	1	4	4	1	4	4
Ethyl bromide (Bromoethane)	1	1	3	4	1	4		2	4	2		4	3	4	1	4	2	1	4	4
Ethyl butyl acetate	1		4			1			2	4				4	4				4	
Ethyl butyl alcohol	1		1	2	1	3			2	1		4	4	1	1			1	2	2
Ethyl butyl ketone	1		4			1			2	4				4	4				4	
Ethyl butyraldehyde	1		4			1			1	4				4	4				4	
Ethyl butyrate	1			4	1	4				4					3					
Ethyl cellosolve	1	4	4	4	1	2		4	2	4		4	4	4	4	4	4	4	4	4
Ethyl cellulose	1		2	2	1	2			2	2		4	2	2	4	4		4	2	2
Ethyl chloride	1	2	3	2	1	2		2	1	1		3	2	1	1	4	1	1	4	4
Ethyl chlorocarbonate	1	2	4	4	1	4		4	4			4	4	4	1	4	4	2	4	4
Ethyl chloroformate	1	2	4	4	1	4		4	4			4	4	4	1	4		2	4	4
Ethyl cyanide (Propionitrile)	1	1	4	2	1	3		4	2			1	4	4	1	4	1	3	2	4
Ethyl cyclopentane	1	2	4	3	1	4		4	1			2	1	4	1		1	1	4	4
Ethyl ether (Ether)	1	4	4	3	1	3		3	4	3		3	3	4	3	4	3	3	4	4
Ethyl formate	2	2	4	2	1	2		4	2	4		4	4	4	1	4	4	1	2	4
Ethyl hexanol	1	1	2	1	1	1		2	1	1		4	4	2	1	1		1	1	2
Ethyl hexyl acetate	1		4			1			2	4				4	4				4	
Ethyl hexyl alcohol	1	1	2	1	1	1		2	1	2		4	4	2	1	1		2	1	2
Ethyl iodide			4			1			4	4				4	2				1	
Ethyl mercaptan (Ethanethiol)	1	1	4	3	1	3		4	4	4		4	4	4	1	4	4	3	2	3
Ethyl oxalate	1	1	1	3	1	1		4	1	4		4	4	3	1	4	4	2	4	4
Ethyl pentachlorobenzene	1		4	4	1	4		3	4	4		4	4	4	1	4		2	4	4
Ethyl silicate	1	1	2	1	1	1		1	1	1		4	4	2	1	4	1	1	2	1
Ethyl sulfate	1	1	4			1			3	4				4	2				4	
Ethylene (Ethene)	1	2	3	3	1	2		1	2	1		1	2	3	1	3	1	1	3	4
Ethylene alcohol	1	1	1	1	1	1		1	1	1		4	3	3	1	1	1	1	1	1
Ethylene bromide	1		4	4	1	4			4	4		4	4	4	1			3	4	4
Ethylene chloride	1	2	4	4	1	4		4	4	4		4	4	4	1	4	4	3	4	4
Ethylene chlorohydrin	1	1	2	2	1	2		4	2	4		4	4	2	1	4	4	2	2	3
Ethylene diamine	2	2	2	1	1	1		1	1	1		4	4	1	4	4	1	4	2	1
Ethylene dibromide	1		4	4	1	4			4	4		4	4	4	1			3	4	4
Ethylene dichloride	1	2	4	4	1	4		4	4	4		4	4	4	1	4	4	3	4	4
Ethylene glycol	1	1	1	1	1	1		2	1	2		4	4	2	1	2	2	1	1	1
Ethylene oxide (ETO)	1	3	4	4	1	3		4	3	4		4	4	4	4	4	4	4	4	4

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PPE Prefix	PERLAST®			CR	FEP & PFA		ECO	IIR (Butyl)	NBR (Nitrile)	ACM	AU & EU		NR (Natural Rubber)	FKM (Fluorocarbon)		AEM	HNBR	FVMQ (Fluorosilicone)			CSM	VMQ (Silicone)
	G	A	B		C	D					E	H		J	N			P	Q	R		
Chemical or Media	Dynamic And Static Applications																		Static Only			
Ethylene trichloride	1	4	4	4	1	3	4	3	4	4	4	4	1	4	4				3	4	4	
Ethyne (Acetylene)	1	1	2	2	1	1	2	1	1	4	4	2	1	1				1	2	2		
Fatty acids	1	1	4	2	1	3		3	2			4	1	1	2				3	3		
Ferric chloride	1	1	1	2	1	1	1	1	1	3	3	3	1	2	1			1	2	2		
Ferric hydroxide	1		2		1			1	2			4	4							2		
Ferric nitrate	1	1	2	2	1	1	1	1	1	3	3	3	1	2	1			1	1	2		
Ferric sulfate	1	1	2	2	1	1	2	1	1	3	3	3	1	2	1			1	1	1		
Ferrous chloride	1	1	1	2	1	1	1	1	1	3	3	3	1	2	1			1	2	2		
Ferrous sulfate	1	1	2	2	1	1	1	1	1	3	3	3	1	2	1			1	1	2		
Fish oil	1	1	4	3	1	4	1	4	1	1	2	4	1	3	1			1	4	1		
Fluoboric acid (Fluoroboric acid)	1		2	1	1	1	1	1	1			1	2					1	1			
Fluorine	2		4	3	4	3	4	3	4	4	4	4	2	4	4			2	4	4		
Fluorobenzene	1		4	4	1	4	2	4	4	3	4	4	3	4	4			2	4	4		
Fluorochloroethylene							3	4														
Fluorol (Sodium fluoride)	1	1		1	1	1			1				1									
Fluorolube (Fluorocarbon oils)	2	2	4	1	1	1		1	1				2	1				2	1	1		
Fluosilicic acid	1	1	3	2	1	2		2	2			1	2	2	2			4	1	4		
Formaldehyde	1	1	3	3	1	2	2	2	3	4	4	2	4	4	3			4	3	2		
Formamide	1			3	1	2		1	3			2	3						1			
Formic acid	2	3	2	2	1	2	3	2	3	4	4	4	3	2	3			4	3	4		
Freon 11	2	4	4	4	1	4	3	4	2	4	4	4	2	2				2	4	4		
Freon 12	2	4	1	1	1	2	1	2	1	2	2	2	2	1	1			3	1	4		
Freon 13	1	1	1	1	1	1	1	1	1	4	4	1	1	1				3	1	4		
Freon 13b1	2	2	1	1	1	1		1	1			1	1	2	1			2	1	4		
Freon 14	1		1	1	1	1		1	1	1	1	1	1	1					1	4		
Freon 21	2		4	2	1	4	2	4	4			4	4					4	4	4		
Freon 22	2		2	1	1	1	1	1	4	2	4	2	4	3	4			4	1	4		
Freon 31	2		2	1	1	1		1	4			2	4	4					2			
Freon 32	2	4	1	1	1	1		1	1			1	4	1				3	1			
Freon 112 (Freon BF)	2	4	4	2	1	4	3	4	2	4	2	4	1	2				3	2	4		
Freon 113 (Freon TF)	3	4	2	1	1	4	1	4	1	4	2	3	2	4	1			4	1	4		
Freon 114	3	4	1	1	1	1	1	1	1	4	1	1	2	1				2	1	4		
Freon 114b2	3	4	3	1	1	4	2	4	2	4	4	4	2	2				2	1	4		
Freon 115	3	4	1	1	1	1	1	1	1	4	4	1	2	1				4	1	4		
Freon 134a	2	4	3	2	1	1		3	1			4	2	4	1	1		3	1	2		
Freon 502	3		1	1	1	1		1	2			1	2	2								
Freon C316	2		1	1	1	1		1	1			1		1						1		
Freon C318	3	4	1	1	1	1		1	1			1	2	1					1			
Freon K-142b	3	4	1	1	1	4		1	2			2	2	2				4	1			
Freon K-152a	3		1	1	1	1		1	1			1	4	1						3		
Freon PCA	3	4	2	1		4		4	1			1	4	2	1				1	4		
Freon T-P35	2	1	1	1	1	1		1	1			1	1	1	1			1	1	1		
Freon T-WD602	2		2	2	1	2		1	2			1	3	1	2				2	4		
Freon TA	3	3	1	1		1		1	1			1	1	3	1				1	1		
Freon TC	2		2	1	1	2		1	1			1	4	1	1				1	4		

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PPE Prefix	PERLAST®			CR	FEP & PFA		EPR & EPDM		ECO	IIR (Butyl)		NBR (Nitrile)		ACM	AU & EU		NR (Natural Rubber)		FKM (Fluorocarbon)	AEM		HNBR	FVMQ (Fluorosilicone)			CSM	VMQ (Silicone)	
	G	A	B		C	D	E	H		J	N	P	Q		R	V	W	Z		F	L		S					
Chemical or Media	Dynamic And Static Applications																					Static Only						
Freon TMC	2		3	2	1	2			2	2			2	2			1		2					2	3			
Fuel oil	1	1	4	3	1	4			1	4	1		1	3	4		1*	2	1					1	4	4		
Fumaric acid	1	1	2	2	1	2				4	1		4		1		1	4	1					1	2	2		
Furan (Furfuran)	1		4	4	1	3			4	3	4		4	4	4		4	4	4					4	4	4		
Furfural (Furfuraldehyde)	2	3	4	4	1	2			4	2	4		4	4	4		4	4	3					4	4	4		
Furfuryl alcohol	1	2	4	4	1	2			4	2	4		4	4	4		4	4	4					4	4	4		
Gallic acid	1	1	2	3	1	2				2	2		4	4	1		1	4	2					1	2	3		
Gasohol	1		4	4	1	4			4	4	3		4	4	4		1	4	4					2	4	4		
Gasoline	1	3	4	4	1	4			1	4	2		4	3	4		1	3	3					1	4	4		
Gelatin	1	1	1	1	1	1			1	1	1		4	4	1		1	3	1					1	1	1		
Glauber's salt	1	1	4	2	1	2			1	2	4		4		2		1	1	4					1	2			
Gluconic acid	1		4	1	1	1				3	3			1	4		1		3					1	2	2		
Glucose	1	1	1	1	1	1			1	1	1		4	4	1		1	1	1					1	1	1		
Glycerine (Glycerol)	1	1	1	1	1	2			1	1	1		3	4	1		1	1	1					1	1	1		
Glycine	1		2	1	1	1				1	2				2		1								2			
Glycol	1	1	1	1	1	1			2	1	2		4	4	2		1	1	2					1	1	1		
Glycolic acid	1		1	2	1	2				1	1				2		1							1	1	1		
Glycolmonoethylether	1		3	2	1	4				1	1				3		1											
Grease (petroleum base)	1	1	4	2	1	4			2	4	1		1	1	4		1	1	1					1	4	4		
Green Sulfate liquor	2	1	2	2	1	1			1	1	2		4	2	2		1		2					2	2	4		
Halothane	2	1	4	4	1	4				4	4		4	4	4		1		4					2	4	4		
Halowax oil	2	1	4	4	1	4				4	4		4	4	4		1	1	4					1	4	4		
Heavy water	1	1	1	2	1	1				1	1		4	4	1		1	1						1	1	1		
HEF-2 (high energy fuel)	1	1	4	4	1	4				4	2		3	3	3		1		2					2	4	4		
Helium	1	1	1	1	1	1			1	1	1		1	1	1		1	1	1					1	1	1		
Heptanal	1		4			1				1	4				4		2								4			
Heptane	1	3	4	2	1	4			1	4	1		1	2	4		1	1	1					1	2	4		
Hexachlorobutadiene	1		4	4	1	4				4	1		4		4		1								4	4		
Hexadecane (Cetane)	1	1	4	2	1	4				4	1		1	4	4		1		1					3	2	4		
Hexalin (Cyclohexanol)	1	1	4	2	1	4			4	4	2		4	4	4		1	3	2					1	3	4		
Hexamine	1					1	1																					
Hexane (n-Hexane)	1	3	4	2	1	4			1	4	1		1	1	4		1	2	2					1	2	4		
Hexanedioic acid (Adipic acid)	1	2	1	1	1	2			2	1	1		4	4	1		1	2	1					1	1	1		
Hexanol	1		2	2	1	3			2	2	2		4	4	2		1	1	2					1	2	3		
Hexone (MIBK)	1	4	4	4	1	3			4	3	4		4	4	4		4	4	4					4	4	4		
Hexyl alcohol	1		2	2	1	3			2	2	2		4	4	2		1	1	2					1	2	3		
Hexylene (n-Hexene)	1	3	4	2	1	4			2	4	2		1	2	4		1	3	2					1	2	4		
Hexylene glycol (Brake fluid)	1		4	1	1	1					3		4	1	1		3		3					1		2		
Hydraulic oil (petroleum base)	1	1	4	2	1	4			1	4	1		1	1	4		1	1	1					1	2	2		
Hydrazine (Diamine)	2	2	2	2	1	1				1	2				4				4					4	2	2		
Hydrazine, anhydrous	2	2	1	2	1	2			4	2	4		4	4	4		4	1	1					4	2			
Hydrobromic acid	1	1	4	3	1	1			4	1	4		4	4	1		1	4	4					3	1	4		
Hydrochloric acid, 3 molar	1	1	3	3	1	1			4	1	3		3	4	3		1	3						2	2	4		
Hydrochloric acid, 37% (cold)	1	1	3	3	1	2			4	2	3		4	4	2		1	3	3					2	2	4		
Hydrochloric acid, 37% (hot)	1	1	4	4	1	3			3	3	4		4	4	3		1	3	3					3	4	4		

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PPE Prefix	PERLAST®			CR	FEP & PFA		ECO	IIR (Butyl)	NBR (Nitrile)	ACM	AU & EU	NR (Natural Rubber)	FKM (Fluorocarbon)	AEM	HNBR	FVMQ (Fluorosilicone)		
	G	A	B		C	D										E	H	J
Chemical or Media	Dynamic And Static Applications															Static Only		
Hydrochloric acid, concentrated	1	1	4	4	1	2	4	3	4	4	4	4	1	4	3	3	4	4
Hydrocyanic acid	1	1	2	2	1	1	2	1	2	4	4	2	1	3	2	2	1	3
Hydrofluoric acid, concentrated	1	2	3	3	1	3	4	2	4	3	4	3	2	4	4	4	2	4
Hydrofluosilicic acid	1	1	2	2	1	1	1	2	2	4	1	1	2	2	4	4	1	4
Hydrogen bromide	1	2	4	3	1	2	4	1	4	4	4	2	2	4	4	3	1	4
Hydrogen chloride	1	1	2	4	1	1	1	4	4	2	1	4	4	4	4	1	3	4
Hydrogen fluoride (HF)	1	2	4	4	1	4	4	4	4	4	4	4	2	4	4	4	3	4
Hydrogen fluoride, anhydrous	1	2	4	4	1	2	4	3	4	4	4	4	3	4	4	4	3	4
Hydrogen gas	1	1	2	1	1	1	1	1	1	2	1	2	1	1	1	3	1	3
Hydrogen peroxide, 30%	1	1	2	1	1	1	1	1	2	4	4	2	1	4	2	1	2	1
Hydrogen peroxide, 90%	1	1	4	4	1	3	2	3	3	4	4	4	1	4	3	2	3	2
Hydrogen sulfide (wet, hot)	1	1	3	2	1	1	2	1	4	4	4	4	3	4	3	3	2	3
Hydrolube (water/ethylene glycol)	1	1	1	2	1	1	2	1	4	4	4	1	4	4	4	2	2	2
Hydroquinone	2	4	4	4	1	4	4	3	4	4	2	3	4	4	4	2	4	3
Hydroxyacetic acid	1	1	1	2	1	2	1	1	1	2	1	4	1	1	1	1	1	1
Hypochlorous acid	1	4	4	4	1	2	2	2	4	4	2	3	4	4	4	3	3	3
Iodine	1	2	2	4	1	2	2	2	2	4	4	4	1	2	1	1	2	3
Iodine pentafluoride	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Iodoform	1	4	4	4	1	4	1	4	4	3	4	4	2	3	4	2	2	2
Iso-butane	1	4	4	2	1	4	4	1	4	1	4	4	1	1	1	1	4	2
Iso-octane	1	2	4	3	1	4	1	4	1	1	2	4	1	1	1	1	2	4
Isoamyl acetate	1	4	4	4	1	2	2	4	4	4	1	4	4	3	4	1	4	2
Isoamyl alcohol	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Isoamyl butyrate	1	4	4	4	1	2	2	4	4	4	1	4	4	3	4	1	4	2
Isoamyl chloride	1	4	4	4	1	4	3	4	4	4	4	4	2	4	4	4	4	4
Isobutyl alcohol (Isobutanol)	1	1	2	1	1	1	2	1	2	4	4	2	1	3	2	2	1	1
Isobutyl amine	1	2	2	1	1	1	1	2	2	2	4	4	4	4	4	3	3	3
Isobutyl chloride	1	2	4	4	1	2	4	3	4	4	4	4	1	4	4	2	4	1
Isobutyric acid	1	3	3	3	1	1	3	3	3	4	4	4	4	2	4	4	4	4
Isododecane	1	1	4	2	1	4	4	1	4	4	4	4	1	1	1	1	2	4
Isopentane	1	4	4	2	1	4	4	1	4	1	4	4	1	1	1	1	3	2
Isophorone (Ketone)	1	2	4	4	1	1	4	1	4	4	4	4	4	4	4	4	4	4
Isopropanol (Isopropyl alcohol)	1	1	2	2	1	1	2	1	2	4	4	1	1	3	2	2	1	1
Isopropyl acetate	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Isopropyl alcohol (IPA)	1	1	2	2	1	1	2	1	2	4	4	1	1	3	2	2	1	1
Isopropyl amine	1	2	2	1	1	1	1	2	2	2	4	4	4	4	4	3	4	4
Isopropyl benzene	1	3	4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	4
Isopropyl chloride	1	4	4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	4
Isopropyl ether	1	4	4	3	1	4	4	4	3	3	3	4	4	4	3	3	3	4
Isopropyl toluene (Cymene)	1	4	4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	4
Kel F liquids	2	3	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1
Kerosene (Kerosine)	1	2	4	3	1	4	2	4	1	2	1	4	1	2	2	1	3	4
Lacquer solvents	1	4	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4
Lacquers	1	4	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4
Lactams (Amino acids)	1	3	4	2	1	2	2	4	4	4	4	4	4	4	4	4	2	2

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	G	A	B		C	D	E	H		J	N	P			Q	R		V	W	Z			F	L	S			
Chemical or Media	Dynamic And Static Applications																					Static Only						
Lactic acid (cold)	1	1	1	1	1	1			1	1			4	1	1			1	4	1			1	1	2			
Lactic acid (hot)	1	1	4	4	1	4			4	4	4		4	4	4			1	4	4			2	3	2			
Lard	1	1	4	2	1	2			1	2	1		1	2	4			1	1	1			1	3	2			
Lauryl alcohol (n-Dodecanol)	1		1	1	1	2			1	1					1			2						2				
Lavender oil	1	1	4	4	1	4			3	4	2		2	4	4			1	4	3			2	4	4			
Lead acetate	1	4	4	2	1	1			2	1	3		4	4	2			4	4	2			4	4	4			
Lead chloride	1		4	2	1	1					3		4	1	1			3		3			1	1	2			
Lead chromate	1		4	2	1	1				1	3		4	1	1			3		3			1	1	2			
Lead nitrate	1	2	1	1	1	1			2	1	1		4	4	1			1	2	1			1	2	4			
Lead sulfamate	1		2	1	1	1				1	2		4		2			1	4				1	1	2			
Light grease	1	2	4	4	1	4			1	4	1		1	1	4			1	1	1			1	4	4			
Ligroin (Nitrobenzine)	1	2	4	2	1	4			1	4	1		1	2	4			1	4	1			1	3	4			
Lime bleach	1	1	2	2	1	1			2	1	1		4	4	2			1	2	1			1	2	2			
Lime sulfur	1	1	4	1	1	1				1	4		4		4			1	1				1	1	1			
Limonene (Dipentene)	1	3	4	4	1	4			4	4	2		4	4	4			1	4	2			3	4	4			
Lindol (Tritolyl phosphate)	1	1	4	4	1	1			4	1	4		4	4	4			2	4	4			3	4	3			
Linoleic acid	1	1	4	3	1	4			2	4	2		4	3	4			2	4	2			2	4	2			
Linseed oil	1	1	4	3	1	3			1	3	1		1	2	4			1	3	1			1	3	1			
Liquefied petroleum gas (LPG)	1		4	2	1	4			1	4	1		3	1	4			1	4	2			3	4	3			
Liquid oxygen	4	4	4	4	1	4			4	4	4		4	4	4			4	4	4			4	4	4			
Liquimoly	1	1	4	2	1	4			4	1			1	2	4			1		1			1	4	4			
Lithium bromide	1	1	1	2	1	1			1	1				1	2			1					1	1	1			
Lithium chloride	1	1	1	2	1	1			1	1				1	2			1					1	1	1			
Lithium hydroxide	1		4	1	1	1				3			4					3		3			1	1	2			
Lithophone	1		4		1	1			1	3			4	1	1			3		3			1		2			
Lubricating oil (di-ester base)	1	2	4	3	1	4			2	4	2		2	4	4			1	1				2	4	4			
Lubricating oil (petroleum base)	1	1	4	2	1	4			1	4	1		1	2	4			1	1	1			1	4	4			
Lye solution	1	2	2	2	1	1			2	1	2		4	4	2			2	4	2			2	1	2			
Magnesium acetate	1		4		1					2	4				4			4						4				
Magnesium chloride	1	1	1	2	1	1			2	1	1		4	3	1			1	2	1			1	1	1			
Magnesium hydroxide	1	1	2	2	1	1			1	1	2		4	4	2			1	1	2			2	1	3			
Magnesium salts	1	1	1	1	1	1				1	1		1	1	1			1	1	1			1	1	1			
Magnesium sulfate	1	1	2	2	1	1			2	1	1		4	4	2			1	2	1			1	1	1			
Malathion	1		4	3	1	4			4	2					4			1					2		4			
Maleic acid	1	1	4	4	1	4			4	4			4	3	4			1	1	4				4	3			
Maleic anhydride	1	1	4	4	1	4			4	4			4		4			1	4	4				4				
Malic acid (Apple acid)	1	1	2	2	1	4			4	1			4		1			1	1	1			1	2	2			
Managanese (II) chloride	1		4		1	1			1	1			4					3		3			1	1				
Manganese carbonate	1		4	1	1	1			1	1			4	1				3		3			1	1	2			
Manganese sulfate	1		1		1				1	1					3			1						1				
Mercuric chloride	1	1	1	2	1	1			1	1	1				1			1	1	1			1	1	3			
Mercuric cyanide	1	1		2	1	1				2								1										
Mercurous nitrate	1	1		2	1	1				2								1										
Mercury	1	1	1	1	1	1			1	1	1		1	1	1			1	1	1			1	1	2			
Mesityl oxide	1	4	4	4	1	2			4	2	4		4	4	4			4	4	4			4	4	4			

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	G	A	B		C	D												
Chemical or Media	Dynamic And Static Applications															Static Only		
Methacrylad methylester	1		4	4	1	2		2	4	4	4	4	4			4	4	4
Methacrylic acid	1	2		2	1	2			4				3		4	4	4	4
Methane	1	2	4	2	1	4	1	4	1	1	3	4	1	2	1	2	2	4
Methanol (Methyl alcohol)	1	1	1	1	1	1	2	1	2	4	4	1	1	1	1	2	1	2
Methyl acetate	1	4	4	3	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Methyl acetoacetate	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	3
Methyl acrylate	1	4	4	2	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Methyl acrylic acid (Crotonic acid)	1		4	2	1	2		2	4	4	4	4	3	4		4	4	4
Methyl alcohol (Methanol)	1	1	1	1	1	1	2	1	2	4	4	1	1	1	1	2	1	2
Methyl amine	1		2	2	1	2		1	4			2	2					1
Methyl amyl acetate	1					1			1				4					
Methyl amyl alcohol	1		1			1		1	1			1	4					1
Methyl benzoate	1	1	4	4	1	4	4	4	4	4	4	4	1	4	4	1	4	4
Methyl bromide	1	2	4	4	1	4	4	4	2	3	4	4	1	3	2	1	4	3
Methyl butyl ketone	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	3
Methyl butyrate	1			4	1	4			4									
Methyl carbonate	1	1	4	4	1	4		4	4	4	4	4	1		4	2	4	4
Methyl cellosolve	1	1	4	3	1	2	4	2	3	4	4	4	4	4	4	4	4	4
Methyl cellulose	1	1	2	2	1	2		2	2	4	2	2	4	1	2	4	2	2
Methyl chloride	1	4	4	4	1	3	4	3	4	4	4	4	2	4	4	2	4	4
Methyl chloroformate	1	1	4	4	1	4		4	4	4	4	4	1		4	2	4	4
Methyl cyanide (Acetonitrile)	1	1		1	1	1			2				1		2	1		
Methyl cyclopentane	1	4	4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	4
Methyl dichloride	1		4	4	1	3	4	3	4	4	4	4	1	4		2	4	4
Methyl ether	1	4	2	3	1	2	4	2	2	4	4	3	1	4	1	1	4	1
Methyl ethyl ketone (MEK)	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Methyl ethyl ketone peroxide	1	4	4	4	1	3	4	3	4	4	4	4	4	4	4	4	4	2
Methyl formate	1	4	4	2	1	2	4	2	4	4	4	4	3	4	4	4	2	3
Methyl glycol acetate	1		2	3	1	1		2	4	4	4	3	4				2	2
Methyl iodide	1			4	1	1			4									
Methyl isobutyl ketone (MIBK)	1	4	4	4	1	3	4	3	4	4	4	4	4	4	4	4	4	4
Methyl isopropyl ketone	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4
Methyl mercaptan	1				1	1			1									
Methyl methacrylate (MMA)	1	3	4	4	1	3	4	3	4	4	4	4	4	4	4	4	4	3
Methyl oleate	1	2	4	4	1	2	4	2	4	4	4	4	1	4	4	2	4	3
Methyl phenyl ether (Anisole)	1		4	4	1				4			4	3					
Methyl propyl ketone	1		4	4	1	2		2	4			4	4					4
Methyl salicylate	1	3	3	4	1	2	4	2	4	4	4	3	4	4	4	4	4	3
Methylene bromide	1		4	4	1			4	4			4	2					4
Methylene chloride	1	2	4	4	1	4	4	4	4	4	4	4	2	4	4	2	4	4
Methylene dichloride	1	2	4	4	1	4	4	4	4	4	4	4	2	3		2	4	4
MIL- spec fluids	Contact technical department																	
Milk					1	1	1		1		1		1	4				1
Mineral oil	1	1	4	2	1	3	1	3	1	1	1	4	1	2	1	1	2	2
Monobromo benzene	1	2	4	4	1	4	4	4	4	4	4	4	1	4	4	2	4	4

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PPE Prefix	PERLAST®			CR	FEP & PFA		EPR & EPDM		ECO	IIR (Butyl)		NBR (Nitrile)	ACM	AU & EU		NR (Natural Rubber)	FKM (Fluorocarbon)		AEM	HNBR	FVMQ (Fluorosilicone)			CSM	VMQ (Silicone)	
	G	A	B		C	D	E	H		J	N			P	Q		R	V			W	Z	F		L	S
Chemical or Media	Dynamic And Static Applications																				Static Only					
Monochloro acetic acid	1		4	4	1	2			4	3	4		4	4	4		4	4	4			4	4	4		
Monochloro acetone	1		4	2	1	1			4	2	4		4	4	3		4	4	4			4	3	4		
Monochloro benzene	1	4	4	4	1	4			4	4	4		4	4	4		1	4	4			2	4	4		
Monoethanolamine (MEA)	1	1	2	4	1	2			4	2	4		4	4	2		4	4	4			4	4	2		
Monoethylamine (Ethyl amine)	1		3	3	1	1					2	3			3		4							3		
Monomethyl amine (MMA)	1					1	1				3		1	1			3		3			1				
Monomethyl aniline	1	2	4	4	1	2			4	2	4		4	4	4		2	4	4			2	4	2		
Monomethyl ether	1		3	2	1	4				1	1				3		1	4								
Monomethyl hydrazine	1	1	2	2	1	1				1	2								2			2	4			
Monovinyl acetylene	1	2	2	2	1	1				1	1				2		1		1			2	2			
Morpholine	1		4	2	1	2			4	2	4		4	4	4		1	4	4			4	2	4		
Mustard gas	1		3	3	1	3				1					3		1					1	1	1		
n-Dodecanol (Lauryl alcohol)	1		1	1	1	2				1	1				1		2					2				
n-Heptane	1	3	4	2	1	4			1	4	1		1	1	4		1	3	2			1	2	4		
n-Hexaldehyde	1		4	1	1	1			4	2	4		4	3	4		4	4	4			4	3	2		
n-Hexane	1	2	4	2	1	4			1	4	1		1	2	4		1	1	2			1	2	4		
n-Hexanol	1		2	2	1	3			2	3	1		4	4	2		1	4	2			2	2	2		
n-Hexene (Hexylene)	1	3	4	2	1	4			2	4	2		1	2	4		1	3	2			1	2	4		
n-Octane	1		4	4	1	4			2	4	2		4	4	4		1	3	2			2	4	4		
n-Pentane	1		3	2	1	4			1	4	1		1	4	4		1	3	1			3	2	4		
n-Propyl acetate (Propyl acetate)	1	4	4	4	1	2			4	2	4		4	4	4		4	4	4			4	4	4		
n-Propyl acetone	1		4	4	1	1			4	1	4		4	4	4		4	4				4	4	4		
n-Propyl nitrate (NPN)	1		4	4	1	2			4	2	4		4	4	4		4	4	4			4	4	4		
Naphtha	1	2	4	4	1	4			1	4	2		2	2	4		1	4	2			2	4	4		
Naphtha coal tar (Benzol)	1	3	4	4	1	4			4	4	4		4	4	4		1	4	4			1	4	4		
Naphthalene (Tar camphor)	1	2	4	4	1	4			4	4	4		4	3	4		1	4	4			1	4	4		
Naphthenic acid	1	1	4	4	1	4			2	4	2		4	4	4		1	4	3			1	4	4		
Natural gas	1	1	3	2	1	4			1	4	1		2	2	2		1	2	1			2	2	4		
Neatsfoot oil	1	1	4	4	1	2			1	2	1		1	1	4		1	3	1			1	4	2		
Neohexane	1		4	2	1	4				4	1		1	4	4		1	2				1	4	4		
Neon	1	1	1	1	1	1			1	1	1		1	1	1		1	1	1			1	1	1		
Neville acid	1	1	4	4	1	2				2	4		4		4		1	4	4			2	4	4		
Nickel acetate (Diacetate)	1	4	4	2	1	1			3	1	3		4	4	3		4	4	2			4	4	4		
Nickel chloride	1	1	2	2	1	1			2	1	1		3	3	3		1	2	1			1	1	1		
Nickel nitrate (Dinitrate)	1	1	1	1	1	1				1	1				1		1					1				
Nickel salts	1	1	2	2	1	1			2	1	1		3	3	2		1	2	1			1	1	1		
Nickel sulfate	1	1	2	2	1	1			2	1	1		4	3	3		1	2	1			1	1	1		
Niter cake	1	1	1	1	1	1			1	1	1		4	1	1		1	1	1			1	1	1		
Nitric acid (3 molar)	1	2	4	4	1	2			4	1	4		4	4	4		1	4	3			3	4	4		
Nitric acid (concentrated)	1	2	4	4	1	4			4	1	4		4	4	4		1	4	4			3	4	4		
Nitric acid (red fuming) (RFNA)	2	3	4	4	1	4			4	2	4		4	4	4		3	4	4			4	4	4		
Nitrobenzene	1	1	4	4	1	4			4	4	4		4	4	4		2	4	4			4	4	4		
Nitrobenzine (Ligroin)	1	2	4	2	1	4			1	4	1		1	2	4		1	4	1			1	3	4		
Nitroethane	1	2	2	2	1	2			4	2	4		4	4	2		4	4	4			4	2	4		
Nitrogen	1	1	1	1	1	1			1	1	1		1	1	1		1	1	1			1	1	1		

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PPE Prefix	PERLAST®			CR	FEP & PFA		ECO	IIR (Butyl)	NBR (Nitrile)	ACM	AU & EU	NR (Natural Rubber)	FKM (Fluorocarbon)	AEM	HNBR	FVMQ (Fluorosilicone)			
	G	A	B		C	D										E	H	J	N
Chemical or Media	Dynamic And Static Applications															Static Only			
Nitrogen tetroxide	1	3	4	4	1	4	4	3	4	4	4	4	4	4	4	4	4	4	4
Nitromethane	1	3	3	3	1	2	4	2	4	4	4	2	4	4	4	4	4	2	4
Nitropropane	1	2	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4	4
Nitrous acid	1		4		1	1			3		1		3		3		1	2	
o-Chloronaphthalene	1		4	4	1	4	4	4	4	4	4	4	1	4	4		2	4	4
o-Cresol (Cresylic acid)	1	1	4	4	1	4	4	4	4	4	4	4	1	4	2		2	4	4
o-Dichlorobenzene	1		4	4	1	4	4	4	4	4	4	4	1	4	4		2	4	4
Octachlorotoluene	1		4	4	1	4		4	4	4	4	4	1				2	4	4
Octadecane	1	1	4	2	1	4		4	1	2	1	4	1	2			1	2	4
Octanol (Octyl alcohol)	1	1	2	2	1	1	2	2	2	4	4	2	1	2	2		2	2	2
Octyl acetate	1		4		1			2	4			4	4						4
Octyl alcohol (Octanol)	1	1	2	2	1	1	2	2	2	4	4	2	1	2	2		2	2	2
Oleic acid	1	1	4	4	1	4	2	4	3	4	3	4	1	4	4		2	4	4
Olein (Trioleine)	1		4	4	1	4		2	3	2	4	4	2		3				4
Oleum (fuming sulfuric acid)	1	1	4	4	1	4	4	4	4	4	4	4	1	4	3		4	4	4
Olive oil	1	1	4	2	1	2	2	2	1	1	1	4	1	3	1		1	2	1
Orthochloroethylbenzene	1	4	4	4		4		4	4	4	4	4	1		4		2	4	4
Oxalic acid	1	1	2	2	1	1	3	1	2	4	4	2	1	4	2		1	2	2
Oxygen (100 to 200°C)	1	2	4	4	1	4	4	4	4	4	4	4	2	4	3		4	4	2
Oxygen (below 100°C)	1	1	4	1	2	1	2	1	2	2	1	2	1	1	1		1	1	1
Ozone (50 PPHM)	1	1	4	2	1	1	1	1	2	1	1	4	1	1	1		1	1	1
Paint thinner (Duco)	1	2	4	4	1	4	4	4	4	4	4	4	2	4	4		3	4	4
Palmitic acid	1	1	3	2	1	2	2	2	2	4	3	3	1	4	1		1	3	4
Par-al-ketone	1	4	4	4	1	4		4	4	4	4	4	4				4	4	4
Para-dichlorobenzene	1	3	4	4	1	4		4	4	4	4	4	1		4		2	4	4
Paraffins	1		4	1	1	4	1	4	1	1	1	4	1	1	1		1	1	1
Paraldehyde	1			2	1	1		1	4			3	4						
Peanut oil	1	1	4	3	1	3	1	3	1	1	2	4	1	2	1		1	3	1
Penicillin	1			1	1					3			1						4
Pentachloroethane (Pentalin)	1		4	4	1			4	4			4	1						4
Pentachlorophenol (PCP)	1			4	1	4			4				1						
Pentane (Amyl hydride)	1		4	2	1	4		4	1	1	4	4	1				3	3	4
Pentanol	1	1	2	2	1	1	1	1	2	4	4	2	2	2	2		1	2	4
Pentyl alcohol (Amyl alcohol)	1	1	2	2	1	1	1	1	2	4	4	2	2	2	2		1	2	4
Pentyl amine (Amyl amine)	1		2		1			1	2			2							3
Perchloric acid	1	2	4	2	1	2	3	2	4	4	4	4	1		4		1	2	4
Perchloroethylene (Perchlor)	1	4	4	4	1	4	3	4	3	4	4	4	1	4	3		2	4	4
Petrolatum	1	1	4	2	1	4	1	4	1	1	1	4	1	1	1		1	2	4
Petroleum oil (above 1???)	1	1	4	4	1	4	2	4	4	4	4	4	1	2	2		4	4	4
Petroleum oil (below 1???)	1	1	4	2	1	4	1	4	1	2	2	4	1	1	1		2	2	2
Petroleum oil, crude	1	1	4	2	1	4		4	1	1	1	4	1	1	1		1	2	4
Phenol (Carbolic acid)	1	1	4	4	1	2	4	2	4	4	4	4	1	4	4		1	4	4
Phenol sulfonic acid	1		4		1			3	4			4	2						4
Phenyl acetate	1		4	4	1	2			4			4	4						
Phenyl benzene	1	2	4	4	1	4	4	4	4	4	4	4	1	4	4		2	4	4

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	G	A	B		C	D	E	H		J	N	P			Q	R		V	W	Z			F	L	S			
Chemical or Media	Dynamic And Static Applications																					Static Only						
Phenyl ether (Diphenyl oxide)	1	2	4	4	1	4	4	4	4	4	4	4	4	4	4	4	1	1	4	2	4	3						
Phenyl ethyl ether (Phenetole)	1	4	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4						
Phenyl hydrazine	1	1	2	4	1	4	4	4	4	4	4	1	1	4	4	2	4	3	2	4	3							
Phenyl methyl ketone	1	4	4	4	1	1	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4						
Phorone	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4						
Phosgene	1			1	1	1	1	2									2					2						
Phosphate esters	1	2	4	4	1	1	1	4	4	4	4	4	4	4	4	1	4	4	3	4	4							
Phosphoric acid (3 molar)	1	1	2	3	1	1	3	3	4	3	4	2	3	4	2	1	4	2	2	2	2							
Phosphoric acid (concentrated)	1	2	3	4	1	2	4	3	4	3	4	3	3	4	3	1	4	3	2	3	3							
Phosphorus oxychloride	1			4	1		4	1		4			4															
Phosphorus trichloride	1	1	4	4	1	1	4	1	4	4	4	4	4	4	4	1	4	4	1	4	4							
Phthalic acid	1	2		2	1	2	1	3				4			2							1						
Phthalic anhydride	1			4	1	1	4								2													
Picric acid, H2	1	2	2	2	1	1	4	1	2	4	4	2	4	4	2	1	4	2	2	1	4							
Pine oil	1	1	4	3	1	4	2	4	2	4	3	4	4	3	4	1	4	2	1	4	4							
Pinene	1	1	4	3	1	4	2	4	2	4	3	4	4	3	4	1	4	2	1	4	4							
Piperidine	1	4		4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4							
Plating solution, chrome	1	1	4	4	1	1	2	4		2	4		4	4	4	1	4		4	4	4							
Pneumatic service	1	1	4	1	1	1	1	1	1	1	1	1	4	1	4	1	1	1	4	1	4							
Potassium acetate	1	1	4	2	1	1	3	1	2	3	1	2	4	4	2	4	4	4	4	4	4							
Potassium bicarbonate	1			1	1	1	2	1		2	1		4	3	1	1	1		1		2							
Potassium bisulfate	1	1	1	2	1	1	1	1		1	1		4	1		1	1		1		1							
Potassium bisulfite	1	1	1	1	1	1	1	1		1	1		1	1		1	1		1		1							
Potassium bromide	1	1	1	2	1	1	1	1		1	1		4	1		1	1		1		1							
Potassium carbonate (Potash)	1	1	1	1	1	1	1	1		1	1		1	1		1	1		1	1	1							
Potassium chlorate	1	1	2	2	1	1	1	4		1	4		4	2		1						1						
Potassium chloride	1	1	1	1	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	1	1						
Potassium chromate	1	1	2	1	1	1	2	1	1	2	1	1	3	3	2	1	2		1	3	1							
Potassium copper cyanide	1	1	1	1	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	1	1						
Potassium cyanide	1	1	1	1	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	1	1						
Potassium dichromate	1	1	2	1	1	1	2	1	1	3	3		3	3	1	1	2	1	1	1	1	1						
Potassium ferricyanide	1	2		1	1	1	4						4			2	1											
Potassium ferrocyanide	1			1	1		4						4			1	4											
Potassium fluoride	1			2	1	1	2			2			2			1												
Potassium hydroxide, 50%	1	1	2	2	1	1	2	1	3	2	1	3	4	4	2	4	4	2	3	1	3	3						
Potassium hypochlorite	1	2		3	1	1	3	3		3	3		2			2	3											
Potassium iodate	1	4		1	1		3			3			4	1		3	3		1	2								
Potassium iodide	1	1	1	1	1	1	2	1	1	2	1	1	4	4	1	1	2	1	1	1	1	1						
Potassium nitrate	1	1	1	2	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	1	1						
Potassium nitrite	1	1	1	2	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	1	1						
Potassium oxalate	1	4		1	1	1	3			3			4	1		3	3		1	2								
Potassium perchlorate	1	1	3	2	1	1	2	1	2	2	1	2	4	4	3	1	2	1	1	1	1	1						
Potassium permanganate	1	4		2	1	1	2	1	3	2	1	3	4	4	4	1	2	1	1	3	1	1						
Potassium persulfate	1	4		2	1	1	2	1	4	2	1	4	4	4	4	1	2	2	1	1	1	1						
Potassium phosphate	1	1		1	1	1	1			1			1			1												

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	G	A	B		C	D							E	H	J	N	P	Q	R
Chemical or Media	Dynamic And Static Applications															Static Only			
Potassium salts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium silicate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium sulfate	1	1	2	2	1	1	2	1	1	4	3	2	1	3	1	1	2	1	1
Potassium sulfide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium sulfite	1	1	2	2	1	1	2	1	2	4	4	2	1	2	1	1	1	1	1
Potassium tartrate	1			1	1	1		3		4	1	1	3	3			1	1	2
Potassium thiocyanate	1				1	1		1	3	4		1	3	3			1		
Producer gas	1	1	4	2	1	4		4	1	2	1	4	1	1	1		2	2	2
Propane (LPG)	1	1	4	2	1	4	1	4	1	1	3	4	1	2	1		2	3	4
Propanol (Propyl alcohol)	1	1	1	1	1	1	2	1	2	4	3	1	1	3	1		1	1	2
Propionaldehyde (Propanal)	1				1			1	4			3	4						
Propionic acid	1	1		3	1	1		1	3				1						
Propionitrile (Ethyl cyanide)	1	1	4	2	1	3		4	2	1	4	4	1	4	1		3	2	4
Propyl acetate (n-Propyl acetate)	1	4	4	4	1	2	4	2	4	4	4	4	4	4	4		4	4	4
Propyl alcohol (1-Propanol)	1	1	1	1	1	1	2	1	2	4	3	1	1	3	1		1	1	2
Propyl amine	1		4	4	1	4	4	4	4	4	4	4	4	4	4		4	4	4
Propyl nitrate (n-Propyl nitrate)	1		4	4	1	2	4	2	4	4	4	4	4	4	4		4	4	4
Propylene (Propene)	1	1	4	4	1	4	4	4	4	4	4	4	1	4	4		2	4	4
Propylene chlorohydrin	1		4		1			4		4		4	3						
Propylene dichloride	1		4	4	1	4		4	4			4	2	4					4
Propylene glycol	1	1	1	2	1	1		1	1			1	1						1
Propylene oxide	1	3	4	4	1	2	4	2	4	4	4	4	3	4	4		4	4	4
Pyridene	1	2	4	4	1	2	4	2	4	4	4	4	3	4	4		4	4	4
Pyrogallol (Pyrogallic acid)	1			3	1	3			3			4	1						
Pyrrole (Azole)	1		3	4	1	3	4	4	4	4	4	3	4	4	4		4	4	3
Quinine (Bisulfate) (Sulfate)	1				1				2	4	2		3	2			2		
Quinone	1				1	4			4	2		4	1	2					
Radiation	Contact technical department																		
Rapeseed oil	1	1	4	3	1	2	1	2	1	1	2	4	1	3	1		1	3	3
Red oil (MIL-H-5606)	1	2	4	2	1	4	1	4	1	1	1	4	1	4	1		1	2	4
RJ-1 (MIL-F-25576)	1	1	4	2	1	4	1	4	1	1	1	4	1	1	1		1	2	4
Rosin	1			3	1	4			1	4	4		1	1			2		2
Rotenone	1	1		1	1	1			1				1						
RP-1 (MIL-F-25576)	1	1	4	2	1	4	1	4	1	1	1	4	1	1	1		1	2	4
Sal ammoniac	1	1	1	1	1	1	1	1	1	3	3	2	1	2	1		2	1	3
Salicylic acid	1	1	2	1	1	1	2	1	1	4	4	2	1	4	1		1	1	1
Sea water (Brine)	1	1	1	2	1	1	2	1	1	4	4	1	1	1	1		1	1	1
Sewage	1	1	1	2	1	1		1	1	4	4	1	1	1	1		1	1	1
Silicate esters	1	1	4	1	1	4	2	4	2	4	3	4	1	4	2		1	2	4
Silicone grease	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1		2	2	3
Silicone oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		2	1	4
Silicone tetrachloride	2				1								1						
Silver bromide	1		4		1	1		1		4			3						
Silver chloride	1		4		1	1		1	3	4	1		3	3					
Silver cyanide	1		4		1	1	1			4	4		1				1		4

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PPE Prefix	PERLAST®			CR	FEP & PFA	EPR & EPDM	ECO	IIR (Butyl)	NBR (Nitrile)	ACM	AU & EU	NR (Natural Rubber)	FKM (Fluorocarbon)	AEM	HNBR	FVMQ (Fluorosilicone)	CSM	VMQ (Silicone)	
	G	A	B																C
Chemical or Media	Dynamic And Static Applications															Static Only			
Silver nitrate	1	1	1	1	1	1	3	1	1	3	3	1	1	2	1	1	1	1	
Skydrol 500	1	1	4	4	1	1	4	2	4	4	4	4	4	4	4	3	4	3	
Skydrol 7000	1	1	4	4	1	1	4	1	4	4	4	4	2	4	4	3	4	3	
Soap solutions	See Detergent solution																		
Sodium acetate	1	2	4	2	1	1	3	1	2	3	3	2	4	4	4	4	4	4	
Sodium aluminate	1		1	1	1		1	1				1	1	1		1			
Sodium arsenite	1		3	4	1	1	3	3		4			3	3		3			
Sodium benzoate	1	1	1	1	1	1	2	1	1	4	4	1	1	1	1	1	1	1	
Sodium bicarbonate (Baking soda)	1	1	1	1	1	1	2	1	1	4	4	1	1	1	1	1	1	1	
Sodium bichromate	1	1	1	1	1	1	2	1	1	4	4	2	1	2	1	1	3	1	
Sodium bisulfate	1	1	2	1	1	1	1	1	1	4	2		1	1	1	1	1	1	
Sodium bisulfite	1	1	4	1	1	1	2	1	3	2	4	4	1	2	1	1	1	1	
Sodium borate (Borax)	1	1	2	4	1	1	1	1	2	3	3	2	1	1	1	2	4	2	
Sodium bromate	1	1	4		1	1			3	4	1		1	3		1	2		
Sodium bromide	1	1	4	1	1	1	1	3		4	1	1	1	3		1	1	2	
Sodium carbonate (Soda ash)	1	1	1	1	1	1	2	1	1	4	4	1	1	1	1	1	1	1	
Sodium chlorate	1	1	3	1	1	1	2	1	2	4	4	3	1	2	1	1	1	1	
Sodium chloride	1	1	1	1	1	1	2	1	1	4	3	1	1	1	1	1	1	1	
Sodium chlorite	1	2			1	1			4				1						
Sodium chromate	1	1	1	1	1	1	2	1	1	4	4	1	1	2	1	1	3	1	
Sodium citrate	1		4	1	1	1			3				3	3		1	3		
Sodium cyanide	1	1	1	1	1	1	2	1	1	4	4	1	1	2	1	1	1	1	
Sodium dichromate	1	1	1	1	1	1	2	1	1	4	4	1	1	2	1	1	1	1	
Sodium ethylate	1		4	1	1	1			3	4			3	3		1	3		
Sodium ferricyanide	1		4	1	1	1	1	3		4	1	1	3	3		1	1	2	
Sodium ferrocyanide	1		4	1	1	1		3		4	1		3	3		1	2		
Sodium fluoride (Fluorol)	1	1		1	1	1		1					1						
Sodium hydrogen sulfate	1	1	2	1	1	1	1	1	1	4	2		1	1	1	1	1	1	
Sodium hydrogen sulfite	1	1	2	1	1	1	1	1	1	4	4	3	1	1	1	1	1	1	
Sodium hydroxide (Caustic soda)	1	1	2	2	1	1	2	1	1	4	3	2	3	4	1	2	1	2	
Sodium hypochlorite, 20%	1	1	3	3	1	2	2	2	2	4	4	3	1	4	2	2	4	2	
Sodium hyposulfite	1	1	2	1	1	1	1	1	2	4	3	2	1	2		1	1	1	
Sodium iodide	1		4	1	1	1		3		4	1		3	3		1	2		
Sodium lactate	1			1	1		1	3		4	1	1	3	3		1	2		
Sodium metaphosphate	1	1	1	2	1	1	1	1				1	1	1		1	2		
Sodium metasilicate	1			1	1			1					1	1					
Sodium nitrate	1	1	2	2	1	1	2	1	2	4	4	2	1	2	1	1	1	4	
Sodium nitrite	1	1	2	2	1	1	2	1	2	4	4	2	1	2	1	1	1	4	
Sodium oleate	1		4	1	1	1		3		4	1		3	3		1	2		
Sodium oxalate	1	1		1	1		1						1						
Sodium perborate	1	1	3	2	1	1	2	1	2	4	4	3	1	2	1	1	2	2	
Sodium perchlorate	1			1															
Sodium peroxide	1	1	2	2	1	1	1	2		4	4	2	1	4	2	1	2	4	
Sodium persulfate	1	1		1	1								1						
Sodium phosphate (Di-basic)	1	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	4	

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	G	A	B		C	D					E	H				J	N	P
Chemical or Media	Dynamic And Static Applications															Static Only		
Sodium phosphate (Mono-basic)	1	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	4
Sodium phosphate (Tri-basic)	1	1	1	2	1	1	2	1	1	3	3	1	1	2	1	1	1	3
Sodium pyrophosphate	1		4	1	1	1			3	4		1	3		3		2	
Sodium salts	1	1	1	2	1	1		1	1	1	1	1	1		1		1	
Sodium silicate	1	1	1	1	1	1	2	1	1	4	4	1	1	2	1		1	
Sodium sulfate	1	1	3	2	1	1	2	1	1	4	3	2	1	3	1		1	
Sodium sulfide	1	1	2	1	1	1	2	1	2	4	3	2	2	4	1		2	
Sodium sulfite	1	1	2	1	1	1	2	1	1	4	1	2	1	4	1		1	
Sodium tartrate	1		4	1	1	1			3	4		1	3		3		2	
Sodium tetraborate	1			1	1				1				1		1		1	
Sodium thiosulfate	1	1	2	1	1	1	1	1	2	4	3	2	1	2	1		1	
Sour crude oil	2	2				4						4	4		2		4	
Sour natural gas	1	1	4			4						4	4		2		4	
Soybean oil	1	1	4	3	1	3	1	3	1	1	2	4	1	3	1		3	
Stannic chloride	1	2	1	3	1	1	2	2	1	4	4	1	1	2	1		4	
Stannic chloride, 50%	1	2	1	3	1	1	2	1	1	4	4	1	1	4	1		4	
Stannous chloride, 15%	1	1	1	2	1	1	2	1	1	4	4	1	1	4	1		1	
Starch	1	1	1	1	1	1	1	1	1	4	4	1	1	1	1		1	
Stauffer 7700	1	2	4	4	1	4		4	2	2		4	1		2		4	
Steam (to 150°C)	1	1	4	3	1	1	4	1	4	4	4	4	1	2	1		4	
Steam (to 175°C)	1	1	4	4	1	1	4	4	4	4	4	4	1	4	3		4	
Steam (to 200°C)	1	1	4	4	1	4	4	4	4	4	4	4	1	4	4		4	
Steam (to 260°C)	2	3	4	4	1	4	4	4	4	4	4	4	3	4	4		4	
Stearic acid	1	1	3	3	1	3	3	3	3	4	3	3	2	4	2		3	
Stoddard solvent	1	2	4	2	1	4	1	4	1	1	1	4	1	1	1		4	
Styrene (Vinylbenzene) Monomer	1	2	4	4	1	4	4	4	4	4	4	4	2	4	4		4	
Succinic acid	1	1	1	2	1	1		1	1		4	2	1				1	
Sucrose solution	1	1	1	2	1	1	2	1	1	4	4	1	1	2	1		2	
Sulfamic acid	1		2	2	1	1		1	2			2					2	
Sulfur	1	1	4	1	1	1	3	1	4	4	4	4	1		4		1	
Sulfur chloride	1	1	4	4	1	4	4	4	4	4	4	4	1	4	4		4	
Sulfur dioxide (dry)	1	2	2	4	1	1	3	2	4	4	4	3	4	4	3		4	
Sulfur dioxide (wet)	1	2	3	3	1	1		1	4	4	4	4	4	4	3		3	
Sulfur hexafluoride	2	2	4	1	1	1	1	1	2	4	4	4	2	4	2		2	
Sulfur trioxide (dry)	1	2	4	4	1	3	4	3	4	4	4	3	1	4	4		4	
Sulfur, molten	1	1	4	3	1	3		3	4	4	4	4	1	1			4	
Sulfuric acid (3 molar)	1	1	3	3	1	2	2	3	4	2	3	3	1	4	3		4	
Sulfuric acid (concentrated)	1	1	4	4	1	4	4	4	4	4	4	4	1	4	4		4	
Sulfuric acid, fuming	1	2	4	4	1	4	4	4	4	4	4	4	2	4	4		4	
Sulfurous acid	1	1	2	2	1	2		2	2	4	4	2	1	4	2		4	
Sulfuryl chloride	1		2	2	1	2		2	4			2	1				1	
Tannic acid	1	1	3	2	1	1	2	2	2	4	3	1	1	4	1		2	
Tar, bituminous	1	1	4	3	1	4	2	4	2	4	3	3	1	3	2		4	
Tartaric acid	1	1	2	2	1	2	2	2	1	4	3	2	1	4	1		1	
Terpineol (Terpilenol)	1		4	4	1	3	2	3	2	4	2	4	1	4	3		4	

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	G	A	B		C	D	E	H		J	N	P	Q		R	V	W	Z				F	L	S			
Chemical or Media	Dynamic And Static Applications																					Static Only					
Tertiary butyl alcohol	1	1	2	2	1	2	2	2	2	2	2	4	4	2	1	3	2	2	2	2	2	2	2	2	2	2	
Tertiary butyl catechol	1	2	3	2	1	2			2	4		4	4	4	1	4				1	2	3					
Tertiary butyl mercaptan	1	1	4	4	1	4			4	4		4	4	4	1	4	4			4	4	4					
Tetrabromoethane	1	3	4	4	1	4			4	4	4	4	4	4	1	4	4			2	4	4					
Tetrabromomethane	1		4	4	1	4			4	4	4	4	4	4	1	4	4			2	4	4					
Tetrabutyl titanate (TBT)	1	1	2	2	1	1			2	2			2		1		2			1	1	2					
Tetrachlorodifluoroethane	1		3	2	1	4			3	4	2	4	4	4	1	4				4	2	4					
Tetrachloroethane	1	4	4	4	1	4			4	4	4	4	4	4	1	4	4			2	4	4					
Tetrachloroethylene	1	4	4	4	1	4			4	4	4	4	4	4	1	4	4			2	4	4					
Tetrachloromethane	1	4	4	4	1	4			2	4	3	4	3	4	1	4	3			2	4	4					
Tetraethyl lead	1	3	3	3	1	4			2	4	2	4	4	4	1	4	2			2	4	4					
Tetraethylene glycol (TEG)	1		1			1				1	1			1	1	1				1							
Tetrafluoromethane	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1			3	1	4					
Tetrahydrofuran (THF)	1	4	4	4	1	3			4	3	4	4	4	4	4	4	4			4	4	4					
Tetralin (Tetrahydronaphthalene)	1	4	4	4	1	4			4	4	4	4	3	4	1	4	4			1	4	4					
Thioglycolic acid	1		4	1	1	1					3	4	1		3	3				1		2					
Thionyl chloride	1		4	4	1	4			4	4	4	4	4	4	1	4	4			4	4	4					
Thiophene (Thiofuran)	1		4	4	1	4			4	4			4	3						4							
Titanium sulfate	1		4	1	1	1					3	4	1		3	3				1		2					
Titanium tetrachloride	2	2	4	4	1	4			4	4	3	4	4	4	1	4	2			2	4	4					
Toluene (Toluol)	1	4	4	4	1	4			4	4	4	4	4	4	1	4	3			2	4	4					
Toluene di-isocyanide (TDI)	1	4	4	4	1	2			4	2	4	4	4	4	4	4	4			4	4	4					
Toluidine	1		4			4					4	3			2	2				4							
Transformer oil	1	1	4	2	1	4			1	4	1	2	1	4	1	1	1			1	4	2					
Transmission fluid, type A	1	1	4	2	1	4			1	4	1	1	1	4	1	1	1			1	2	2					
Triacetin	1	4	3	2	1	1			3	1	2	4	4	2	4	4	2			4	2	1					
Trialkyl phosphate	1	1	4	4	1	2			4	2	4	4	4	4	4	4	4			4	4	4					
Triaryl phosphate	1	1	4	4	1	1			4	2	4	4	4	4	1	4	4			2	4	3					
Tributoxyl ethyl phosphate	1	1	2	4	1	1				1	4	4	4	3	1	4	4			2	4						
Tributyl mercaptan	1		4	4	1	4			4	4		4	4		1	4				3	4	4					
Tributyl phosphate (TBP)	1	2	4	4	1	1			2	4		4	4	2	4	4	4			4	4	3					
Trichloroacetic acid (TCA)	1*	3	4	4	1	2			2	2	2	4	4	3	3	4	2			3	4	3					
Trichlorobenzene	1		4	4	1					4	4			4	2					4							
Trichloroethane	1	2	4	4	1	4			4	4	4	4	4	4	1	4	4			2	4	4					
Trichloroethylene	1	4	4	4	1	4			4	4	4	4	4	4	1	4	4			2	4	4					
Trichlorofluoromethane	1	4	4	3	1	4			3	4	2	4	4	4	2	2				2	4	4					
Trichloropropane	1		4	1	1					4	4			4	2					4							
Trichlorotrifluoroethane	1	4	2	1	1	3			1	4	1	4	2	3	2	3				4	1	4					
Tricresyl phosphate (TCP)	1	1	4	4	1	2			4	2	4	4	4	4	2	4	4			2	4	3					
Tridecyl alcohol (Tridecanol)	1		1			1				1	1			1	1					1							
Triethanol amine (TEA)	2	1	2	2	1	2			3	2	3	4	4	2	3	3	3			3	3	3					
Triethyl aluminium (ATE)	1		4	3	1	3				3	4	4	4		2	4				4							
Triethyl amine	1		3	3	1	4			4	4	3	3	3	4	2	4	3			3	3	4					
Triethyl borane	1		4	4	1	3				3	4	4	4		1	4				4							
Triethyl phosphate (TEP)	1					4						3			4	2				2							

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	G	A	B		C	D	E												
Chemical or Media	Dynamic And Static Applications																Static Only		
Triethylene glycol (TEG)	1	1	1	1	1	1		1	1			1	1	1			1		
Trifluoroacetic Acid (TFA)	1*		4	1	1			1			4	1	1	3	3		1	1	
Trifluoroethane	1	2	4	4	1	4		4	4		4	4	4	1	4		2	4	4
Trimethylpentane (Iso-octane)	1	2	4	3	1	4		1	4	1	1	2	4	1	1	1	1	2	4
Trinitrotoluene (TNT)	1	2	4	2	1	4		4	4		4		4	2	4	4	2	2	3
Trioctyl phosphate	1	1	4	4	1	1		1	4		4	4	4	2	4	4	2	4	3
Triolein (Olein)	1		4	4	1	4		2	3		2	4	4	2	3				4
Triphenyl phosphite	1	1	4	4	1	1			4		4	4		3	4				
Tritolyl phosphate (Lindol)	1	1	4	4	1	1		4	1	4	4	4	4	2	4	4	3	4	3
Tung oil	1	1	4	2	1	4		3	1		1	3	4	1	1	1	2	3	4
Turbine oil	1	1	4	4	1	4		1	4	2	2	2	4	1	1	1	2	4	4
Turpentine	1	2	4	4	1	4		1	4	1	2	4	4	1	3	1	2	4	4
Type I fuel (Mil-S-3136)	1	3	4	2	1	4		1	4	1	2	1	4	1	1	1	1	2	4
Type II fuel (Mil-S-3136)	1		4	4	1	4		1	4	2	4	2	4	1			2	4	4
Type III fuel (Mil-S-3136)	1	4	4	4	1	4		2	4	1	4	2	4	1	3	1	1	4	4
Unsymmetrical dimethylhydrazine	2	3	2	2	1	1		2	1	2	4	4	1	4	4	2	4	1	4
Urea (Carbamide)	1	1	1	1	1	1		1	2				2	1					1
Uric acid	1		4		1				1		4	4	1				1		2
Valeric acid	1			4	1	1		1	4				1				1		
Varnish	1	2	4	4	1	4		4	2		4	3	4	1	4	2	2	4	4
Vegetable oils & fats	1	1	4	3	1	3		1	3	1	1	2	4	1	2	1	1	2	2
Vinegar	1	2	2	1	1	1		2	1	2	4	4	2	1	4	2	2	1	1
Vinyl acetate	1	4	4	2	1	2		4	2	4			4	4	4				4
Vinyl chloride (Chloroethylene)	1	2	4	4	1	3		4	3	4	4	4	4	1	4	4	2	4	4
Vinyl cyanide (Acrylonitrile)	1	2	3	3	1	4		4	4	4	4	4	3	3	4	4	4	3	4
Vinylbenzene (Styrene)	1	2	4	4	1	4		4	4	4	4	4	4	2	4	4	3	4	4
Water, cold	1	1	1	2	1	1		2	1	1	4	4	1	1	3	1	1	1	1
Water, hot	1	1		1	1			2		2	4	4	3	1	4	1	1		1
Water, potable				1	1				1					1					1
Whiskey & wines	1			1	1	1			1		4	4	1	1	4	1	1		1
White oil	1	1	4	2	1	4		1	4	1	1	1	4	1	1	1	1	4	4
White pine oil	1	1	4	4	1	4		4	2				4	1	2		1	4	4
Wood alcohol (Methanol)	1	1	1	1	1	1		2	1	2	4	4	1	1	1	1	2	1	2
Wood oil	1	1	4	2	1	4		3	1		1	3	4	1	1	1	2	3	4
Xenon	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
Xylene (Xylol)	1	3	4	4	1	4		4	4	4	4	4	4	1	4	4	1	4	4
Xylidine (Xylidin)	1	1	4	4	1	4		4	4	3	4	4	4	4	4	3	4	4	4
Zeolites	1	1	1	1	1	1		1	1	1			1	1	1		1	1	1
Zinc acetate	1	3	3	2	1	1		3	1	3	4	4	2	4	4	2	4	4	4
Zinc ammonium chloride	1			1				1		1						1			
Zinc carbonate	1		1	1	1			1	1		1	1		1	1				1
Zinc chloride	1	1	1	1	1	1		2	1	1	4	4	1	1	3	1	1	1	1
Zinc cyanide	1			1	1				1					3	1		1		
Zinc hydrosulfite	1			1	1	1			1					1	1				
Zinc nitrate	1			1	1				1					1	1		1		
Zinc phosphate solution	1			1	1				1		1	1		1	1				
Zinc salts	1	1	1	1	1	1			1	1	4	1	1	1	1		1	1	1
Zinc sulfate	1	1	2	1	1	1		2	1	1	4	4	2	1	3	1	1	1	1