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Chemical or Media	Metals				Plastics						Elastomers					
	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Acetaldehyde	1	1	1	1	1	3	1				2	2	1	4	1	1
Acetamide			2	1	1	1	1				1	1	1	3	1	2
Acetanilide													1			
Acetate Solvent (pure)	1	1	1	1	1	1	2				1	1	1	4	1	3
Acetic Acid		4			4			3								3
Acetic Acid, 20%		4		1	4	1	1	1								2
Acetic Acid, 80%		4		1	4	1	1									2
Acetic Acid (dilute)											1	1	1	1	1	
Acetic Acid (glacial)	1	3	3	2	2	2	1	1	4		2	2	1	2	1	2
Acetic Acid (hot, high pressure)											3	3	1	2	1	
Acetic Anhydride	1	4	1	1	1	4	2	4			2	2	1	4	1	3
Acetic Oxide (Acetic Anhydride)											2	2	1	4	1	
Acetone	1	1	1	1	1	2	1	4	4		1	1	1	4	1	4
Acetone Cyanohydrin											4	4	1	4	1	
Acetonitrile				1			3	4			1	1	1	4	1	
Acetophenone				1				4			1	1	1	4	1	
Acetyl Acetone											1	1	1	4	1	
Acetyl Bromide					4											
Acetyl Chloride								4			4	4	1	1	1	
Acetyl Chloride (dry)		4		1	2	4	4				4	4	1	1	1	3
Acetyl Salicylic (Aspirin)											4	4	1		1	
Acetylene		2	1	1	1	4	1	1	1		1	1	1	1	1	2
Acetylene Tetrabromide											1	1	1	1	1	
Acetylene Tetrachloride																1
Acrolein (Acrylaldehyde)											1	1	1	1	1	
Acrylaldehyde											1	1	1	1	1	
Acrylonitrile		1	1	1	1	1	1				4	4	1	3	1	4
Adipic Acid							2				2	2	1	1	1	
Alcohols: Amyl	1	1	1	1	1						4	4		4	1	4
Alcohols: Benzyl	1	1	1	1	2						1	1	1	1	1	
Alcohols: Butyl	2	1	1	1	4						2	2	1	1	1	2
Alcohols: Diacetone	1	1		1	1						1	1	1	1	1	4
Alcohols: Ethyl	1	1	1	1	1						1	1	1	3	1	2
Alcohols: Hexyl	1	1	1	1	1						3	3	1	1	1	2
Alcohols: Isobutyl	1	1	1	1	1						1	1	1	1	1	1
Alcohols: Isopropyl	1	1	1	1	4						1	1	1	1	1	1
Alcohols: Methyl	1	1	1	1	2						1	1	1	4	1	1
Alcohols: Octyl	1	1	1	1	1						3	3	1	1	1	2
Alcohols: Propyl	1	1	1	1	4						1	1	1	1	1	1
Alkane (Dodecyl Benzene)											2	2	1	1	1	
Alkane Sulfonic Acid											1	1	1		1	
Alkyl Aryl Sulfonate											1	1	1		1	
Alky Alcohol											2	2	1	2	1	
Alkyl Benzene													1	1	1	
Alkyl Chloride													1	1	1	
Allyl Alcohol											2	2	1	2	1	
Allyl Bromide											1	1			2	
Allyl Chloride											1	1			2	
Alum											1	1	1	1	1	
Alum 10%	1	3	1	3									1	2	1	
Alum 100%	1	3	4	1									1	2	1	
Aluminum Acetate			2	1							1	1	1	4	1	
Aluminum Bromide											1	1	1	1	1	
Aluminum Chloride	1	4	4	3	2	2	1		3		1	1	1	1	1	2
Aluminum Chloride 20%		4		3	4	2	1									2
Aluminum Fluoride	4	3	4	3	1	1	1				1	1	1	1	1	2
Aluminum Hydroxide		3	1	3	1	1	1				2	2	1	2	1	
Aluminum Nitrate			3	1	1		1		3		1	1	1	3	1	2
Aluminum Oxide, abrasive		4		1										1	1	
Aluminum Phosphate											1	1	1	1	1	
Aluminum Potassium Sulfate											1	1	1	1	1	
Aluminum Potassium Sulfate, 10%	1	1	3	2	4	1	1				1	1		1	1	1

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Chemical or Media	Metals				Plastics						Elastomers					
	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Aluminum Potassium Sulfate, 100%	1		3	2	4	1	1				1	1	1	1	1	1
Aluminum Salts											1	1	1	1	1	1
Aluminum Sodium Sulfate													1	1	1	
Aluminum Sulfate	1	2	1	2	1	1	1				1	1	1	1	1	1
Alums					1		1									1
Amines	2	2	1	1	4	3	2				2	2	1	4	1	2
Aminobenzene (Aniline)											2	2	1	3	1	
Aminobutane (Butyl Amine)											3	3	1	4	1	
Aminosalicyclic Acid													1	1		
Ammonia, 10%				1	1	3	1	3								
Ammonia Nitrate				1	4		1									
Ammonia, anhydrous		4		1	1	2	1		4		1	1	1	4	1	3
Ammonia, liquid				1	2	3	1	1								
Ammonia Gas, cold									3		1	1	1	4	1	
Ammonia Gas, hot									4		2	2	1	4	1	
Ammonia Liquours		4	3	2							1	1		4	1	
Ammonia Nitrate		4	3	2												1
Ammonium Acetate		4			1		1				1	1	1	1	1	
Ammonium Bicarbonate		4	2	1							1	1	1	1	1	
Ammonium Bifluoride		4	2	1		1	1				2	2	1	2	1	
Ammonium Bisulfite													1		1	
Ammonium Bromide													1		1	
Ammonium Carbonate	1	4	1	2	1	2	1				1	1	1	2	1	3
Ammonium Chloride	1	4	4	4	2	1	1		2		1	1	1	1	1	3
Ammonium Cupric Sulfate											1	1				1
Ammonium Dichromate											1	1		3	1	
Ammonium Diphosphate		4	1													
Ammonium Fluoride											1	1	1	1	1	
Ammonium Fluosilicate													1		1	
Ammonium Hydrogen Fluoride											2	2	1	2	1	
Ammonium Hydroxide		4		1	1	1	1									1
Ammonium Hydroxide, 10%	1	3	1	1				1			1	1	1	2	1	
Ammonium Hydroxide, 46.5%	1	4	1	1							1	1	1	2	1	
Ammonium Hydroxide, 3 molar											1	1	1	2	1	
Ammonium Hydroxide, conc.											1	1	1	2	1	
Ammonium Iodide													1		1	
Ammonium Monophosphate		4	1	1												1
Ammonium Nitrate	1	4	1	1	1	1	1				1	1	1	2	1	3
Ammonium Nitrite		4									1	1	1	3	1	
Ammonium Oxalate		4	1	1							1	1	1		1	
Ammonium Perchlorate											1	1				
Ammonium Persulfate	1	4	1	2	4	1	1				1	1	1	3	1	4
Ammonium Phosphate											1	1	1	4	1	
Ammonium Phosphate, Dibasic		2		2	3	1	1									1
Ammonium Phosphate, Monobasic	1	3	3	3	2	1	1				1	1	1	1	1	1
Ammonium Phosphate, Tribasic	1		2	2	2	3	1				1	1	1	1	1	1
Ammonium Salts											1	1	1	3	1	
Ammonium Sulfate	1	4	3	2	1	1	1	1	1		1	1	1	4	1	1
Ammonium Sulfide		4	1	1							1	1	1	4	1	
Ammonium Sulfite					1		1				1	1				1
Ammonium Thiocyanate											1	1	1	1	1	
Ammonium Thiophosphate	1			1												
Ammonium Thiosulfate	1			1							1	1	1	1	1	
Ammonium Triphosphate		4	1	1												
Amyl Acetate	1	1	1	1	2	3	2	4			3	3	1	4	1	4
Amyl Alcohol	1	1	1	1	1	2	2	1	4		1	1	1	2	1	4
Amyl Alcohol (Pentanol)											1	1	1	2	1	
Amyl Amine													1		1	
Amyl Borate											4	4	1	1	1	
Amyl Chloride	3	3	3	1	3	4	4				4	4	1	3	1	4
Amyl Chloride (Chloropentane)											4	4	1	1	1	
Amyl Chloronaphthalene											4	4	1	2	1	

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	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Amyl Naphthalene									4		4	4	1	1	1	
Amyl Nitrate													1		1	
Amyl Phenol													1	1	1	
Anhydrous Hydrogen Fluoride											1	1			1	
Anhydrous Hydrazine											1	1			1	
Aniline	3	4	1	2	1	2	1	4			1	1	1	3	1	2
Aniline (Aminobenzene)											2	2	1	3	1	
Aniline Dyes		3	1	1							2	2	1	2	1	
Aniline Hydrochloride		4	4	4	4						3	3	1	2	1	4
Aniline Oil	4	1	1	1							2	2	1	3	1	
Aniline Sulfate													1		1	
Animal Oils & Fats									1		2	2	1	1	1	
Anise Oil				1												
Anisole (Methyl Phenyl Ether)											1	1			3	
Anone (Cyclohexanone)											2	2	1	4	1	
Ansul Ether											3	3		4		
Anthraquinone											1	1				
Antifreeze		2	1	1	4			1			1	1	2	1	1	3
Antimony Pentachloride													1		1	
Antimony Trichloride	2	4	4	3	4	2	1				2	2	1	2	1	
Aqua Regia						2			4		3	3	1	2	1	
Aqua Regia (80% HCl, 20% HNO <sub>3</sub> )	1	4	4	4	4						3	3	1	2	1	4
Argon											1	1	1	1	1	
Argon Gas													1		1	
Arochlor 1248		1	3	2	1	3	4				3	3	1	1		2
Aromatic Fuels											4	4	1	1	1	
Aromatic Hydrocarbons				3							4	4		1	1	4
Arsenic Acid	2	4	1	1	3	2	1		3		1	1	1	1	1	1
Arsenic Salts		4	1	1	1										1	
Arsenic Trichloride											3	3	1	4	1	
Ascorbic Acid													1	1	1	
Askarel											4	4	1	1	1	
Asphalt		2	1	1	1	1	2		2		4	4	1	1	1	4
Asphalt Topping		1	1	1										2	1	
ASTM Fluid 101											4	4	1	1	1	
ASTM Fuel A (aliphatic)									2		4	4	1	1	1	
ASTM Fuel B (30% aromatic)									3		4	4	1	1	1	
ASTM Fuel C (50% aromatic)						1			3		4	4	1	1	1	
ASTM Fuel D											4	4	1	1	1	
ASTM Oil 1 (high aniline)											4	4	1	1	1	
ASTM Oil 2 (medium aniline)											4	4	1	1	1	
ASTM Oil 3 (low aniline)											4	4	1	1	1	
ASTM Oil 4 (high aniline)											4	4	1	1	1	
ASTM Oils No. 1, No. 2, No. 3		1	1	1									1			
Automatic Transmission Fluid											4	4	1	1	1	
Automotive Brake Fluids		1	1	1				4	4	4		1		4	1	
Aviation Gasoline		1	1	1				3						1	1	
Barbol B											4	4		1		
Barium Carbonate	1	2	1	2	1	2	1				1	1	1	1	1	
Barium Chlorate											1	1			1	
Barium Chloride	1	2	1	1	1	2	1		1		1	1	1	1	1	1
Barium Cyanide		3	1	1	1	2	4				1	1	1	1	1	
Barium Hydrate											1	1	1	1	1	
Barium Hydroxide	2	4	1	2	1	2	2				1	1	1	1	1	1
Barium Nitrate	1	4	1	2	1	2	1						1	1	1	2
Barium Salts											1	1	1	1	1	
Barium Sulfate	1	3	3	3	1	2	2				1	1	1	1	1	1
Barium Sulfide	1	4	3	3	1	2	2				1	1	1	1	1	1
Bayol 35											4	4		1		
Bayol D											4	4		1		
Beer	1	2	1	1	1	2	1		2		1	1		1	1	1

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Beet Sugar Liquids	1	2	1	1	1	1	1		4		1	1	1	1	1	1
Beet Sugar Liquors											1	1		1		
Benzal Chloride											4	4	1	1	1	
Benzaldehyde	1			3	1	1	4	4			1	1	2	4	1	4
Benzene (Benzol)	1	1	1	2	1	4	4	4	3		4	4	1	1	1	
Benzene Sulfonic Acid					4			4			3	3		1		4
Benzene Sulfonic Acid, 10%											4	4	2	1	1	
Benzine (Ligroin) (Nitrobenzine)		1	1	1					2		4	4	1	1	1	
Benzochloride											1	1	1	1	1	
Benzoic Acid	1	1	1	2	4	2	2				4	4	1	1	1	2
Benzol			1	1	4	3	2				2	2		1		4
Benonitrile							4									1
Benzophenone											2	2	1	1	1	
Benzoyl Chloride											4	4	1	2	1	
Benzoyl Peroxide													1		1	
Benzyl Acetate													1	4	1	
Benzyl Alcohol							1				2	2	1	1	1	
Benzyl Benzoate								4			2	2	1	1	1	
Benzyl Chloride (Chlorotoluene)					1		3	4			4	4	1	2	1	4
Benzyl Dichloride											4	4	1	1	1	
Beryllium Chloride													1		1	
Beryllium Sulfate													1		1	
Bichloride of Mercury															1	
Biphenyl (Phenylbenzene)											4	4	1	1	1	
Bismuth Carbonate											1	1	1	1	1	
Black Liquor							1				2	2		2		
Black Point 77											1	1		1		
Black Sulfate Liquid		3												1	1	
Black Sulfate Liquors (cold)											2	2	1	1	1	
Blast Furnace Gas								4			4	4	1	1	1	
Bleach Liquor		3	1	3	3		1				1	1	1	1	1	2
Boiled Feed Water		1	1	1											1	
Bone Oil				1										1		
Borax (Sodium Borate)	2	2	1	1	1	1		1			1	1	1	1	1	2
Borax Solutions											1	1		1		
Bordeaux Mixture											1	1	1	1	1	
Boric Acid (Boracic Acid)	1	1	2	1	2	1	1		1		1	1	1	1	1	1
Boron Fluids (HEF)											4	4	1	1	1	
Boron Trichloride													1		1	
Brake Fluid		1	1	1				4	4							1
Brake Fluid (glycol base)											1	1	1	4	1	
Brake Fluid (mineral oil base)											4	4	1	1	1	
Brake Fluid (silicone oil base)											1	1	1	4	1	
Bray GG-130											4	4		1		
Brayco 885 (Mil-6085A)											4	4		1		
Brayco 910											1	1		4		
Brine									2		1	1		1		
Brine, abrasive		1	1	1							1	1	1	1	1	
Brine (Salt Water)											2	2	1	1	1	
Brine (Sea Water)											1	1		1		
Bromide											4	4	1	1	1	
Bromine	1	3		4	4	4	4				4	4	1	1	1	4
Bromine Anhydrous											4	4		1		
Bromine Pentafluoride											4	4	2	4		
Bromine Trifluoride											4	4	2	4	4	
Bromine Water								4			2	2	1	1		
Bromobenzene											4	4	1	1	1	
Bromochloromethane											2	2	1	2	1	
Bromochlorotrifluoroethane											4	4	1	1	1	
Bromoethane (Ethyl Bromide)											4	4	1	1	1	
Bromotoluene											1	1			2	
Bromotrifluoromethane											1	1	2	1	1	

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Bunker 'C' Fuel Oil		1	1	1							4	4	1	1	1	
Bunker Oil						2					4	4	1	1	1	
Butadiene				1	3	4	3				3	3	4	4	1	4
Butadiene Rhitemp	1	1									3	3	1	1	3	
Butane (Butyl Hydride) (LPG)	1	1	1	1	1	3	1		1		4	4	1	1	1	4
Butane, 2, 2-Dimethyl											4	4		1		
Butane, 2, 3-Dimethyl											4	4		1		
Butanediol											1	1	1	1	1	
Butanol (Butyl Alcohol)				1	2	1	1	1			2	2	1	1	1	2
Butene (Butylene)											4	4	1	1	1	
Butoxyethanol (Butyl Cellosolve)											2	2	1	4	1	
Butter			2	1					1		2	2	1	1	1	2
Buttermilk			1	1	2									1	1	1
Butydigol (Butyl Cellosolve)											1	1	1	2	1	
Butyl Acetate							4				4	4	1	4	1	
Butyl Acetate (room temperature)	1	1	3	3							3	3	1		1	
Butyl Acetyl Ricinoleate											1	1	1	1	1	
Butyl Acrylate											4	4	1	4	1	
Butyl Alcohol (Butanol)						1		1	3		2	2	1	1	1	
Butyl Amine (Aminobutane)			1		1		2				4	4	1	4	1	2
Butyl Benzoate											2	2	1	1	1	
Butyl Bromide													1	2	1	
Butyl Butyrate											1	1	1	1	1	
Butyl Carbitol											1	1	1	3	1	
Butyl Cellosolve (Butoxyethanol)							1				2	2	1	4	1	
Butyl Cellosolve Adipate											2	2		2		
Butyl Chloride (Chlorobutane)													1	2	1	
Butyl Ether					1		4	1			3	3	1	4	1	4
Butyl Hydride (Butane)											4	4	1	1	1	
Butyl Oleate											2	2	1	1	1	
Butyl Phenol											4	4	1	1	1	
Butyl Phthalate (Dibutyl Phthalate)					1		2	4			2	2	1	3	1	1
Butyl Stearate											4	4	1	1	1	
Butylacetate		1		1	1	3	2									4
Butylene (Butene)		1	1	1	2	2			4		4	4	1	1	1	4
Butyraldehyde											2	2	2	4	1	
Butyric Acid	1	3	3	3	3	4	2				2	2	1	2	1	4
Butyric Anhydride													1		1	
Butyrene (Dipropyl Ketone)													1	4	1	
Cadmium Chloride													1		1	
Cadmium Cyanide											1	1		1		
Cadmium Nitrate													1		1	
Cadmium Sulfate													1		1	
Cadmium Liquors											1	1	1	1	1	
Calcine Liquors											1	1		1		
Calcium Acetate											2	2	1	4	1	
Calcium Arsenate											1	1		1		
Calcium Bisulfate		3	1	1							1	1	1	1	1	3
Calcium Bisulfide	1		3	3	1		1				1	1			1	3
Calcium Bisulfite	1	3		1	1	1	1				4	4	1	1	1	1
Calcium Bromide													1		1	
Calcium Carbonate				2	1	2	1				1	1	1	1	1	1
Calcium Carbonate Slurry	1	1	1	1										1	1	
Calcium Chlorate											1	1	1	1	1	
Calcium Chlorate (dilute)			3	1										1	1	
Calcium Chloride	1	3	1	2	1	2	1		1		1	1	1	1	1	1
Calcium Cyanide											1	1	1	1	1	
Calcium Hydrosulfide													1	1	1	
Calcium Hydroxide				2	1	2	1		2		1	1	1	1	1	1
Calcium Hydroxide, 10%	1	1	1	1							1	1	1	1	1	
Calcium Hydroxide, 50%				3									1		1	
Calcium Hypochloride											1	1	1	1	1	

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Chemical or Media	Metals				Plastics						Elastomers					
	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Calcium Hypochlorite	1	3	3	3	4	2	1				1	1	1	1	1	2
Calcium Nitrate				3	1		1		1		1	1	1	1	1	2
Calcium Oxichloride											2	2	1	1	1	
Calcium Oxide					2		1				1	1	1		1	1
Calcium Permanganate											1	1			1	
Calcium Phosphate											1	1	1	1	1	
Calcium Salts											1	1	1	1	1	
Calcium Salts (abrasive)														1	1	
Calcium Silicate											1	1	1	1	1	
Calcium Sulfate (Gypsum)	1	1	1	2	4	2	1				1	1	1	1	1	
Calcium Sulfhydrate											1	1			1	
Calcium Sulfide							1				1	1	1	1	1	
Calcium Sulfite											1	1	1	1	1	
Calcium Thiosulfate											1	1	1	1	1	
Calgon				1	1		1				1	1		1		1
Caliche Liquors											1	1	1	1	1	
Camphor											4	4	1	2	1	
Cane Juice					1											1
Cane Sugar Liquor			1	1					4		1	1	1	1	1	
Capric Acid (Caporic Acid)													1		1	
Caproic Aldehyde											2	2	1	4	1	
Caprolactam											1	1		3		
Capryl Alcohol (Octanol)											1	1	1	1	1	
Carbamate											2	2	1	1	1	
Carbinol (Methanol)											1	1	1	1	1	
Carbitol							1				2	2	1	2	1	
Carbolic Acid (Phenol)	1	4	2	2	4	4	2		3		2	2	1	1	1	4
Carbon Bisulfide			1	2	1		4				4	4	1	1	1	
Carbon Dioxide	1	1	1	1		2			1		2	2	1	1	1	
Carbon Dioxide, dry		2		1	1	3	1				2	2	1	2	1	2
Carbon Dioxide, wet				1	1	3	1				2	2	1	2	1	2
Carbon Disulfide	3	2	1	2	2	3	4				4	4	1	1	1	
Carbon Monoxide			1	1	1	2	1		1		2	2	1	1	1	1
Carbon Tetrachloride				2	4	4	4	4	4		4	4	2	1	1	4
Carbon Tetrachloride (dry)		1					4									4
Carbon Tetrachloride (wet)		2					4									4
Carbonated Water		4		1	1	1	2									
Carbonic Acid	2	4	1	2	1	2	1		4		1	1	1	1	1	1
Castor Oil	1	1	1	1		1			1		2	2	1	1	1	
Catsup			1	1	1						3	3		1		
Caustic Potash											1	1	1	2	1	
Casutic Soda											1	1	1	1	1	
Cellosolve				1							2	2	1	4	1	
Cellosolve, acetate											2	2	1	4	1	
Cellosolve, butyl											2	2	1	4	1	
Cellosolve, methyl											2	2	1	4	1	
Celluguard											1	1		1		
Cellulose																1
Cellulose Acetate (CA)											2	2	1	4	1	
Cellulube			1	1							1	1		1		
Cellulube A60											2	2		4		
Cellutherm 2505A											4	4		1		
Cetane (Hexadecane)											4	4	1	1	1	
Cetyl Alcohol													1		1	
China Wood Oil (Tung Oil)			1	1							4	4	1	1	1	
Chloral Hydrate											3	3	2	3	1	
Chloramine-T											1	1	1		1	
Chlordane											4	4	1	1	1	
Chlorextol											4	4	1	1	1	
Chloric Acid		4			4						1	1			1	
Chlorinated Biphenyl													1	1	1	
Chlorinated Brine											4	4	1	1	1	

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	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Chlorinated Lime			1	1							2	2	1	1	1	
Chlorinated Salt Brine											4	4		1		
Chlorinated Salt Brine-abrasive	1		3	3							3	3	1	1	1	
Chlorinated Solvents		1		3							4	4	1	1	1	
Chlorinated Solvents (dry)											4	4		1		
Chlorinated Solvents (wet)											4	4		1		
Chlorine, anhydrous liquid	1	4	3	3	4	2	4				4	4	2	2	1	4
Chlorine (dry)		4		2	4	3	4	4	4		4	4	1	1	1	4
Chlorine (wet)						3		4	4		2	2	1	4	1	
Chlorine Dioxide											3	3	1	2	1	
Chlorine Trifluoride											4	4	2	4	4	
Chlorine Water		4		3	3	2	4	3		1	2	2		1		4
Chloroacetic Acid		4		1	4	3	3				2	2	1	4	1	4
Chloroacetone				1							4	4	1	4	1	
Chloroaniline											2	2		3		
Chlorobenzene	1	2	1	2	4	3	3	4			2	2	1	1	1	4
Chlorobromomethane				1	3		1				4	4	1	3	1	4
Chlorobutadiene (Chloroprene)				1							4	4	1	2	1	
Chlorobutane (Butyl Chloride)											1	1	1	4	1	
Chlorodecane													1	1		
Chlorodifluoromethane											4	4		1		
Chlorodiphenyl											4	4	1	1	1	
Chlorododecane											4	4	1	1	1	
Chloroethylene (Vinyl Chloride)											4	4	1	1	1	
Chloroform	1	2	1	1	1	4	3	4	4		4	4	1	1	1	4
Chlorohydrin											1	1		1		
Chloronaphthalene											4	4		1	3	
Chloronitroethane											1	1	1	1	2	
Chloropentafluoroethane											1	1			2	
Chloropentane (Amyl Chloride)											4	4	1	1	1	
Chlorophenol, 5%				1			4						1		1	
Chloroprene (Chlorobutadiene)											4	4	1	1	1	
Chlorosulfonic Acid		2		1	4								1			4
Chlorothene (Trichloroethane)											4	4	1	1	1	
Chlorotoluene (Benzyl Chloride)													2	1	1	
Chlorotrifluoroethylene (CTFE)											1	1	2	3	1	
Chlorotrifluoromethane											2	2	1	1	1	
Chlorox			1	1					4		2	2	1	3	1	
Chocolate Syrup			1	1	1									1	1	
Chrome Alum											2	2		1		
Chrome Plating Solution											2	2	1	1	1	
Chromic Acid									3		2	2		1		
Chromic Acid, 10%		4		2	4	1	4	1								3
Chromic Acid, 30%	1	4	3	3	4	1	4				3	3	1	1	1	3
Chromic Acid, 5%	1	4	3	3	4	2	4				3	3	1	1	1	3
Chromic Acid, 50%	1	4	3	2	4	1	4		4		3	3	1	1	1	3
Chromic Oxide (aqueous)											2	2	1	1	1	
Chromium Potassium Sulfate											2	2		1		
Chromium Salts					2											
Chromium Sulfate											1	1	1	1	1	
Cider			1	1	1									1	1	2
Cinnamon Oil			1	1				3						1		
Circo Light Process Oil											4	4		1		
Citric Acid	1	4	1	1	1	1	1	3	1		1	1	1	1	1	1
Citric Oils			1	1										1	1	
Citrus Pectin Liquor			1	1										1	1	
City Service 65, 120, 250											4	4		1		
City Service Kool Motor Oil No. 140											4	4		1		
City Service Pacemaker No. 2											4	4		1		
Clorox (Bleach)			1	1		4										
Clove Oil							4							1	1	
Coal Tar								3			4	4	1	1	1	

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Cobalt Chloride											3	3	1	1	1	
Cocoa Butter																1
Coconut Oil		1	1	1		1			2		3	3	1	1	1	
Cod Liver Oil			1	1		1			1		1	1	1	1	1	
Coffee			1	1	1		1				4	4	1	1	1	1
Coke Oven Gas									4		4	4	1	1	1	
Coliche Liqueurs											4	4	1	1	1	
Convelex 10											3	3		1		
Coolanol											4	4	1	4	1	
Coolanol 25, 45											4	4		1		
Copper Acetate				1							4	4	1	1	1	
Copper Ammonium Acetate													1		1	
Copper Carbonate											1	1	1	1	1	
Copper Chloride	1	3		4	4	2	1		1		1	1	1	1	1	1
Copper Cyanide	1	4	1	2	4	2	1		1		1	1	1	1	1	1
Copper Fluoride														1	1	
Copper Nitrate	2	4	1	2	4	2	1				2	2	1	1	1	
Copper Salts											1	1	1	1	1	
Copper Salts (abrasive)													1	1	1	
Copper Sulfate											1	1		1		
Copper Sulfate, >5%		4		2	4	2	1									1
Copper Sulfate, 5%	1	4	1	2	4	2	1				1	1	1	1	1	1
Copper Sulfate, 10%											1	1	1	1	1	
Copper Sulfate, 50%													1	1	1	
Copper Sulfide											3	3	1	1	1	
Corn Oil			1	1		1		1	1		3	3	1	1	1	
Cottonseed Oil	1	1	1	1		1		1	1		4	4	1	1	1	
Cream			1	1	1		1							1	1	
Creosote (coal tar)											4	4	1	1	1	
Creosote (wood tar)											4	4	1	1	1	
Creosote Oil	1	1	1	1									1	1	1	
Cresol (Cresylic Acid)				1	4	3	4				2	2	1	2	1	4
Cresol (Methyl Phenol)											4	4		1		
Cresols					4											4
Cresylic Acid	1	3	1	1	4	2	1				4	4		1		
Crotonaldehyde											1	1		4	3	
Crotonic Acid											4	4	1	1	1	
Crude Oil				3							4	4	1	1	1	
Cumene (Isopropyl Benzene)											4	4	1	1	1	
Cupric Acid					4		1									1
Cupric Chloride (Copper Chloride)											4	4	1	1	1	
Cupric Sulfate											1	1		1		
Cuprous Ammonia Acetate															1	
Cutting Oil											4	4	1	1	1	
Cutting Oil (water soluble)		1	1	1										1	1	
Cutting Oil (sulfur base)		1	1	1											1	
Cyanic Acid			1	1										1		1
Cyanic Compounds															1	
Cyanogen											1	1			1	
Cyanogen Chloride											3	3		2		
Cyclehexamone											1	1			1	
Cyclohexane	1	1		1	1	2	4				4	4	1	1	1	4
Cyclohexanol				1							4	4	1	4	1	
Cyclohexanone				1	1		4				4	4	1	4	1	4
Cyclohexylamine											1	1			1	
Cyclopentane											4	4	1	1	1	
Cymene (Isopropyltoluene)											4	4	1	1	1	
Decahydronaphthalene											4	4	1	1	1	
Decalin											4	4	1	4	1	
Decanal											4	4	1	1	1	
Decane											4	4	1	2	1	
Decanol (Decyl Alcohol)											1	1	1	1	1	



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Deionized Water			1	1									1	1	1	
Delco Brake Fluid											1	1		4		
Denatured Alcohol			1	1					4		4	4	1	1	1	
Denatured Solution											2	2	1	1	1	
Detergent Water Solutions	1		1	1							1	1		1	1	
Detergent Solutions						1			3		1	1		1		
Detergents				1	1	1	1									1
Developing Fluid (photographic)											4	4	1	1	1	
Dextron											4	4	1	1	1	
Dextrose											1	1	1	4	1	
DI Water											2	2		2		
Diacetone (Diacetone Alcohol)		1	1	1	1	2	1				4	4	1	4	1	4
Diamylamine											1	1	1		1	
Diaznon											2	2	1	4	1	
Dibenzyl Ether				1							2	2	1	4	1	
Dibenzyl Sebacate											4	4	1	2	1	
Dibromoethyl Benzene											4	4	1	4	1	
Dibutyl Amine											3	3	1	3	1	
Dibutyl Ether				1							3	3	1	3	1	
Dibutyl Phthalate (DBP)											2	2	1	3	1	
Dibutyl Sebecate (DBS)											3	3	1	3	1	
Dibutylamine											4	4		4		
Dichloroacetic Acid											1	1	4	4	1	
Dichlorobenzene					4		3				4	4	1	1	1	
Dichlorobenzene					4								1	1	1	4
Dichlorobutane											4	4	1	2	1	
Dichlorodifluoromethane											2	2	2	4	4	
Dichloroethane	2	2	1	2	1	3	4						1	1	1	
Dichloroisopropyl Ether											3	3	1	3	4	
Dichloropentane															1	1
Dichlorotetrafluoroethane											4	4	1	4	1	
Dicyclohexylamine											4	4	1	4	1	
Diesel Fuel	2	1	1	1	1	3	1						1	1	1	4
Diesel Oil		1						2			4	4	1	1	1	
Diester Lubricant (Mil-L-7808)											4	4		1		
Diester Synthetic Lubricant											4	4		1		
Diethanol Amine (DEA)											1	1	4	4	4	
Diethanolamine											1	1	1		1	
Diethyl Amine											1	1			1	
Diethyl Aniline											1	1			1	
Diethyl Benzene											1	1		1	1	
Diethyl Carbonate											3	3	1	3	1	
Diethyl Ether		3	3	3	1		1	3			4	4	1	4	3	4
Diethyl Formaldehyde											1	1			1	
Diethyl Hydrazine											1	1			1	
Diethyl Maleate											1	1			1	
Diethyl Phthalate (DEP)											3	3	1	2	1	
Diethyl Sebacate											3	3	1	4	1	
Diethyl Sulfate											2	2	1	3	1	
Diethylamine		1		2	1	4	1				2	2		4		2
Diethylbenzene											4	4	1	1		
Diethylene Ether (Dioxane)											1	1	1	1	1	
Diethylene Glycol (Digol)	1	3	3	2	1	2	1	4			1	1	1	2	1	2
Diethylene Triamine											1	1	1		1	
Diffluorodibromomethane											1	1	4	4	4	
Diisobutyl Ketone											1	1	2	4	1	
Diisobutylene			1								1	1	1	1	1	
Diisodecyl Phthalate (DIDP)											1	1			3	
Diisooctyl Adipate (DIOA)											1	1			3	
Diisooctyl Phthalate (DIOP)											1	1		4	2	
Diisooctyl Sebecate (DIOS)											1	1	4	4	4	
Diisopropyl Amine											1	1	4	4	1	

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Diisopropyl Benzene											1	1	4	4	4	
Diisopropyl Ketone											1	1	4	4	4	
Dimethyl Amine (DMA)											1	1	4	4	4	
Dimethyl Aniline					1		4				3	3	1	4	1	4
Dimethyl Ether													1	1		
Dimethyl Formamide (DMF)				1	1		1	4		1	4	4	1	4	1	3
Dimethyl Ketone (Acetone)											2	2	1	2	1	
Dimethyl Phthalate				1							2	2	1	2	2	
Dimethyl Sulfide											4	4	1	3	1	
Dimethyl Sulfoxide (DMSO)							1	4			1	1		3		
Dinitrochloro Benzene													1	1	1	
Dinitrotoluene (DNT)			1	1							4	4	1	4	1	
Diocetyl Phthalate (DOP)								1			2	2	1	2	1	
Diocyl Sebacate											2	2	1	4	1	
Dioxane						3			4		2	2	1	4	1	
Dioxolane											4	4	1	4	1	
Dipentene (Limonene)											4	4	1	1	1	
Diphenyc (chlorinated)														1	1	
Diphenyc (oxides-abrasive)			1	1	1									1	1	
Diphenyl (Phenylbenzene)			2								4	4	1	1	1	4
Diphenyl Oxide (Phenyl ether)	1		1	1			4				4	4	1	4	1	3
Dipropyl Ketone (Butyryone)											1	1				
Dipropylamine											1	1			1	
Dipropylene Glycol											4	4	1	2	1	
Divinyl Benzene (DVB)													1	1	1	
Dodecyl Benzene (Alkane)															1	
Dow Chemical 50-4, ET588											1	1		4		
Dow Chemical ET 378											3	3		3		
Dow Corning 1208, 4050, 6620, F-60, XF-60											1	1		1		
Dow Corning 3, 4, 11											1	1		1		
Dow Corning 5, 33, 44, 200, 220, 510, 550, 705, 710											1	1		1		
Dow Corning 55											1	1		1		
Dow Corning F-61											1	1		1		
Dow Guard											1	1		1		
Dowtherm 209											1	1		4		
Dowtherm A											4	4		1		
Dowtherm E											4	4		1		
Dowtherm Fluids			1	1									1	1		
Drinking Water											4	4	2	1	1	
Dry Cleaning Fluids								4			4	4	1	1	1	
Dyes		1			1											
Dyes, abrasive			1	1										2		
Dyes, water based			1	1										1	1	
DTE Light Oil											4	4	2	4	1	
Elco 28 EP Lubricant											4	4		1		
Embalming Fluids			1	1											1	
Epichlorohydrin				1							2	2	1	4	1	
Epoxy Resin											1	1	1	4	1	
Epsom Salts	1	1	1	2	1	1	1				2	2	1	4	1	1
Esam-6 Fluid											1	1		4		
Esso Fuel 208											4	4		1		
Esso Golden Gasoline											4	4		1		
Esso Motor Oil											4	4		1		
Esso Transmission Fluid (Type A)											4	4		1		
Esso WS2812 (Mil-L-7808A)											4	4		1		
Esso XP90-EP Lubricant											4	4		1		
Esstic 42, 43											4	4		1		
Ethanal (Acetaldehyde)											1	1	1	3	1	
Ethane				1	4		4		1		3	3	1	1	1	4
Ethane Gas			1	1									1	1	1	
Ethanethiol (Ethyl Mercaptan)											1	1	1	1	1	

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Ethanol		1		1	1	2	1	4			2	2	1	4	1	2
Ethanol Amine											3	3	1	3	1	
Ethanolamine	2		1	1	1		4				2	2	1		1	2
Ether		2		2	1	3	4	4			2	2	1	4	1	4
Ether Compounds	1	1	1	1							1	1	1		1	
Ethyl Acetate	1	2	1	2	1	3	3	4		1	2	2	4	4	4	2
Ethyl Acetoacetate											3	3	1	4	1	
Ethyl Acrylate				1					4		3	3	1	4	1	
Ethyl Acrylic Acid											1	1	1	1	1	
Ethyl Alcohol		1				2			4		1	1	1	3	2	
Ethyl Aluminium Dichloride											1	1				4
Ethyl Amine (Monethylamine)											1	1	1	1	1	
Ethyl Benzene											4	4	1	1	1	
Ethyl Benzoate							2				4	4	1	1	1	4
Ethyl Bromide (Bromoethane)											1	1	1			4
Ethyl Butyl Acetate											1	1				4
Ethyl Butyraldehyde											1	1				3
Ethyl Butyrate											2	2	1	4	1	
Ethyl Cellosolve											1	1	1	4	4	
Ethyl Cellulose									2		2	2	1	1	1	
Ethyl Chloride	1	1	1	1	1	4	4		4		4	4	1	1	1	4
Ethyl Chlorocarbonate											4	4	1	1	1	
Ethyl Chloroformate											3	3	1	1	1	
Ethyl Cyanide (Propionitrile)											4	4	1	1	1	
Ethyl Cyclopentane											4	4	1	3	1	
Ethyl Dichloride											3	3		1	1	
Ethyl Ether (Ether)		2	1	1	1	4	4		3		4	4	2	4	1	4
Ethyl Formate											2	2	1	3	1	
Ethyl Hexanol											1	1	1	4	4	
Ethyl Hexyl Acetate											1	1	1	1	1	
Ethyl Hexyl Alcohol																2
Ethyl Iodide											3	3	1	1	1	
Ethyl Mercaptan (Ethanethiol)											3	3	1	2	1	
Ethyl Oxalate											1	1	3	1	1	
Ethyl Pentachlorobenzene											1	1	1	1	1	
Ethyl Pyridine													1		1	
Ethyl Silicate											1	1	1	2	1	
Ethyl Sulfate											2	2	1	4	1	
Ethyl Tertiary Butyl Ether											3	3		3		
Ethylene (Ethene)											1	1	1	1	1	
Ethylene Alcohol											1	1			1	
Ethylene Bromide							4				4	4	1	1	1	4
Ethylene Chloride	2	3	1	1	1	4	3	4	4		3	3	1	2	1	4
Ethylene Chlorohydrin		2			4		4				2	2	2	4	1	3
Ethylene Diamine		4		1	4					3	1	1		4	1	1
Ethylene Dibromide											4	4	1	1	1	
Ethylene Dichloride	2	3	1	1	1	3	4				3	3	2	1	1	4
Ethylene Gas											2	2	1	1	1	
Ethylene Glycol (Antifreeze)	1	2	1	1	1	1	1	1	2		3	3	1	4	1	1
Ethylene Oxide (ETO)		4	3	3	1	3	4	1	4		4	4	1	4	1	4
Ethylene Trichloride						4			4		3	3	1	1	1	
Ethylenediamine											1	1	2			
Ethyne (Acetylene)											3	3	1	1	1	
F60 Fluid (Dow Corning)											1	1		1		
F61 Fluid (Dow Corning)											1	1		1		
Fatty Acids	1	3	1	1	1	1	1				3	3	1	1	1	3
FC 75											1	1		2		
FC-43 Heptacosofluorotributylamine											1	1		1		
Ferric Chloride	1	4		3	1	2	1		1		1	1	1	1	4	2
Ferric Hydroxide											1	1	1	1	1	
Ferric Nitrate	1	4	1	1	1	2	1		1		1	1	1	1	1	3
Ferric Oxide (abrasive)														1	1	

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	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Ferric Persulfate											1	1		1		
Ferric Sulfate	1	4	3	3	1	1	1		2		1	1	1	1	1	2
Ferrous Chloride	1	4		3	4	1	1				1	1	1	1	1	
Ferrous Sulfate	1	3	1	2	4	1	1				4	4	1	3	1	
Fiberglass Resin- unknown variables		3														
Fish Oil											1	1	1	1	2	
Fluoboric Acid (Fluoroboric Acid)				3	4	2	1				2	2	4	4	2	
Fluorinated Cyclic Ether											1	1			1	
Fluorine		1		3	4	3	4		4		1	1	2	4	3	4
Fluoro Benzene														1	1	
Fluorobenzene												1		4	3	
Fluoroboric Acids			3	3							1	1	1	1	1	
Fluorocarbon Oils											1	1				
Fluorochloroethylene											1	1	1	1	1	
Fluorol (Sodium Flouride)											1	1	2	2	1	
Fluorolube (Fluorocarbon Oils)											2	2	2	2	1	
Fluorosilicic Acid		3	3	2	4	2	1				2	2	1	4	1	
Formaldehyde	2	1	1	1		2			4		2	2	1	4	3	
Formaldehyde, 100%				1	4	2	3									2
Formaldehyde, 40%		1		1	1	1	1				2	2	2	3	1	
Formamide											4	4	2	3	1	
Formic Acid	3	4	3	3	4	2	1		4		2	2	2	4	1	2
Freon® 11 (Feron MF)	2		3	3	4	3	1	1	4		4	4	1	3	1	4
Freon® 112 (Freon BF)											4	4	3	2	1	
Freon® 113 (Freon TF)	3			1				1			4	4	3	3	1	4
Freon® 113, high & low aniline oil							4				4	4		2		
Freon® 114											1	1	3	2	1	
Freon® 114b2											4	4	2	4	1	
Freon® 115											3	3		2	2	
Freon® 12		2			1	3	1		1		2	2	2	2	1	4
Freon® 12, ASTM No. Oil (50/50)											4	4		1		
Freon® 12 (wet)	2										2	2		1	1	
Freon® 13		1									1	1		1	1	
Freon® 13b1											2	2	2		4	
Freon® 134a											2	2				
Freon® 142b											4	4		2		
Freon® 152a											1	1				
Freon® 14											2	2	1	4	4	
Freon® 21											2	2			4	
Freon® 218											1	1		1		
Freon® 22	1			1	2		2		4		1	1	2	4	1	4
Freon® 31											4	4	2	1	1	
Freon® 32											4	4	3	4	1	
Freon® 502											1	1	3	2	1	
Freon® C316											4	4	3	2	1	
Freon® C318											3	3		2	4	
Freon® K-142b											4	4	3	2		
Freon® K-152a											1	1	2	1	1	
Freon® PCA											4	4		2	1	
Freon® T-P35											1	1	3	3		
Freon® T-WD602											2	2		1	1	
Freon® TA											2	2		3	1	
Freon® TC											4	4	1	1	1	
Freon® TF	2		3	3	4		4				4	4		3		4
Freon® TMC											2	2	2	1	1	
Fruit Juice	1	4	1	1	1						1	1	4	4	4	
Fuel Oil	1	3	1	1	1	3	1		2		4	4	1	1	1	4
Fumaric Acid											2	2	2	4	1	
Fuming Sulfuric Acid											4	4		4		
Furan (Furfuran)		1	1	1							4	4	1	4	1	
Furan Resin																4
Furfural (Furfuraldehyde)	1		2	2	2	3	4	4			2	2	1	4	1	4

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	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Furfuryl Alcohol											2	2	4	4	1	
Furycabinol											2	2		4		
Fyrquel 90, 100, 150, 220, 300, 500, 550											1	1		1		
Fyrquel A60											2	2		4		
Gallic Acid	1	3	3	3	1	2	1				4	4	1	1	1	4
Gasohol											1	1	1	1	1	
Gasoline							3	3			4	4	1	1	1	
Gasoline Heat (low lubricity)	2	1	1	1									1	1	1	
Gasoline (high, aromatic)				1	1	4	1		3							4
Gasoline, leaded, ref				1	1		2									4
Gasoline, unleaded				1	1		3			1						4
Gelatin	1	4	1	1	1	1	1				1	1		1	1	1
Ginger Oil			1	1										1		
Glacial Acetic Acid											1	1	1	3	1	
Glauber's Salt											2	2	1	1	1	
Gluconic Acid											2	2	1	1	1	
Glucose	1	1	1	1	1	1	1				1	1	1	1	1	1
Glue, P.V.A.				1	1	1			1							1
Glue Sizing		1	1	1							1	1	1	1	1	
Glycerin				1	1	1	1	3	1							1
Glycerine (Glycerol)	1	1	1	1			1	1			1	1	2	1	1	
Glycine											1	1			1	
Glycolic Acid	2			1		1	1				4	4	1	1	1	1
Glycols									4		1	1	1	1	1	
Glycolmonoethylether											1	1	2	1	1	
Gold Monocyanide			1	1										1		
Grape Juice	1		1	1	1			1						1	1	1
Grapefruit Oil			1	1											1	
Grease (petroleum base)		1		1							4	4	2	1	1	4
Green Sulfate Liquor									1		4	4	2	1	1	
Gulf Endurance Oils											4	4		1		
Gulf FR Fluids (emulsion)											4	4		1		
Gulf Harmony Oils											4	4		1		
Gulf High Temp Grease											4	4		1		
Gulf Legion Oils											4	4		1		
Gulf Paramount Oils											4	4		1		
Gulf Security Oils											4	4		1		
Gulfcrown Grease											4	4		1		
Halothane											4	4	1	1	1	
Halowax Oil											4	4	1	1	1	
Hannifin Lube A											4	4		1		
Heavy Water											1	1	1	2	1	
HEF-2 (high energy fuel)											4	4		1	2	
Helium											4	4	1	1	1	
Heptanal											1	1			1	
Heptane	1	1	1	1	1	2	1				4	4	1	1	1	4
Hexachloroacetone											1	1	1	4	1	
Hexachlorobutadiene											4	4	1	1	1	
Hexadecane (Cetane)											1	1				
Hexalin (Cyclohexanol)											4	4	1	1	1	
Hexamine											2	2	1	1	1	
Hexane (n-Hexane)	1	1	1	1	2	3	4				1	1	2	1	1	4
Hexanedioic Acid (Adipic acid)											3	3	1	4	1	
Hexanol											1	1	2	1	1	
Hexone (MIBK)											4	4	1	1	1	
Hexyl Alcohol		1									4	4	1	1	1	
Hexylene (n-Hexene)											1	1	2	4	1	
Hi-Lo MS No. 1											1	1		4		
High Viscosity Lubricant H2											1	1		1		
High Viscosity Lubricant U4											1	1		1		
Honey				1	1	2	1							1	1	1
Houghto-Safe 271 (Water & Glycol)											1	1		2		

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Houghto-Safe 620 (Water & Glycol)											1	1		2		
Hydraulic Oil (petroleum, aircraft)											4	4		1		
Hydraulic Oil (petroleum base)		1	1	1	1						2	2	2	4	1	2
Hydraulic Oil (synthetic)		1			1											2
Hydrazine (Diamine)				1			3				1	1	1	4	1	2
Hydrazine, alcohol based			1	1							1	1	1		3	
Hydrazine, anhydrous											1	1	1	1	1	
Hydrazine, water based				1	1						1	1	1		3	
Hydrobromic Acid	1	3									2	2	1	1	1	
Hydrobromic Acid, 100%		4		4	4	2	3									4
Hydrobromic Acid, 20%		4		4	4	2	1	1								4
Hydrobromic Acid, 37% cold											1	1		1		
Hydrobromic Acid, 37% hot											3	3		1		
Hydrocarbons, light		1											1		1	
Hydrochloric Acid (Muratic Acid)	3		3	3							1	1	1	1	1	
Hydrochloric Acid, 100%		4		4	4		2	1								4
Hydrochloric Acid, 20%				4	4	1	2									4
Hydrochloric Acid, 3 molar											3	3	1	1	1	
Hydrochloric Acid, 30%-37%	3										1	1	1	1	1	
Hydrochloric Acid, 37%				4	4	2	3	1		3						2
Hydrochloric Acid, 37% (cold)						2			4		2	2	1	1	1	
Hydrochloric Acid, 37% (hot)									4		1	1	1	1	1	
Hydrochloric Acid (concentrated)											3	3	1	2	1	
Hydrochloric Acid (dry gas)		4		4	1	1	2									
Hydrocyanic Acid	1	4	1	2	2	1	1				1	1	1	1	1	3
Hydrocyanic Acid (gas 10%)																4
Hydrofluoric Acid, <50%											1	1	1	2	3	
Hydrofluoric Acid, >50%											3	3	1	1	1	
Hydrofluoric Acid, 100%				2	4		3									4
Hydrofluoric Acid, 20%				4	4	3	1	1								4
Hydrofluoric Acid, 50%				4	4	1	1									4
Hydrofluoric Acid, 75%					4	3	3									4
Hydrofluoric Acid, concentrated						2	1		4		2	2	1	2	1	
Hydrofluosilicic Acid	2										1	1	1	1	1	
Hydrofluosilicic Acid, 100%				3	4	2	1									4
Hydrofluosilicic Acid, 20%				2	4	2	1									4
Hydrogen Bromide											2	2	1	3	1	
Hydrogen Chloride		3	3	3							1	1	1	1	1	
Hydrogen Chloride, gas											1	1		1		
Hydrogen Cyanide											1	1		1		
Hydrogen Fluoride (Anhydrous)											1	1	1	1	1	
Hydrogen Gas	1	1	1	1	1	1	1		1		3	3	1	1	1	3
Hydrogen Peroxide	2	3	3	3	4		1	1			3	3	1	2	1	
Hydrogen Peroxide, 10%				2	3	1	1									1
Hydrogen Peroxide, 100%		4		1	4	3	2									2
Hydrogen Peroxide, 30%				2	4	3	2				1	1	1	3	1	2
Hydrogen Peroxide, 50%				1	4	3	2									2
Hydrogen Peroxide, 90%											1	1	1	1	1	
Hydrogen Sulfide	1	4	3	3							2	2	1		3	
Hydrogen Sulfide (aqua)				3	3	1	1									3
Hydrogen Sulfide (dry)				2	3	1	1									3
Hydrogen Sulfide (dry, cold)											1	1		4		
Hydrogen Sulfide (dry, hot)											1	1		4		
Hydrogen Sulfide (wet, cold)											1	1		4		
Hydrogen Sulfide (wet, hot)											1	1		4		
Hydrolube (Water/ethylene glycol)											1	1		1	1	
Hydroquinol											4	4		3		
Hydroquinone					4		1				4	4	2	3	3	
Hydroxyacetic Acid	2										2	2	1	1	1	
Hyjet											1	1		4		
Hyjet S 4											1	1		4		
Hyjet W											1	1		4		



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Latex-abrasive		1	1	1							1	1		1	1	
Lauryl Alcohol (n-Dodecanol)											1	1	1	4	1	
Lavender Oil									4		4	4		1		
LB 135											1	1		1		
Lead Acetate	1		2	2	1	1	1		4		1	1	1	4	1	1
Lead Chloride											1	1			1	
Lead Nitrate							1				4	4	1	1	1	2
Lead Oxide											1	1		1		
Lead Sulfamate			3	3	2	1	1				4	4	1	1	1	2
Lehigh X1169											4	4		1		
Lehigh X 1170											4	4		1		
Lemon Oil			1	1					4					1	1	
Light Grease											4	4	1	1	1	
Lignin Liquor			1	1										1	1	
Ligroin (Nitrobenzine)			1	1	4	3	2				4	4	1	1	1	4
Lime	1		1	1	1	2								1	1	
Lime Bleach											4	4	1	1	1	
Lime Sulfur											1	1	1	1	1	
Limonene (Dipentene)											4	4	1	2	1	
Lindol (Tritolyl Phosphate)											3	3	1	2	1	
Linoleic Acid							2				4	4	1	4	1	2
Linseed Oil	1		1	1		3		1	2		4	4	4	4	1	
Liquefied Petroleum Gas (LPG)									1		4	4	1	1	1	
Liquefied Petroleum Gas (low seal life)													1	1	1	
Liquid Oxygen											1	1	1	1	1	
Liquimoly											4	4	1	1	1	
Liquor-Pulp Mill															1	
Liquor Sulfate															1	
Lithium Bromide		1									1	1	1	1	1	
Lithium Chloride		3	1	1			1				1	1	1	1	1	1
Lithium Hydroxide			3	3							4	4	1	3	1	
Lithophone											4	4	1	1	1	
Lubricants					1		1									4
Lubricating Oil	1	1	1	1		4		1	2				1	1	1	
Lubricating Oil (crude & refined)											4	4		1		
Lubricating Oil (di-ester base)											4	4	1	2	1	
Lubricating Oil (pertoleum base)											4	4			4	
Lye						4			4		1	1		4		
Lye: Ca(OH)2 Calcium Hydroxide				2	1	2	1									1
Lye: KOH Potassium Hydroxide		4		2	3	1	1									3
Lye: NaOH Sodium Hydroxide		4		3	1	2	1									1
Lye Solution											1	1	1	1	1	
Magnesium Acetate											1	1	1	1	1	
Magnesium Bisulfate					1		1									
Magnesium Carbonate	1		1	1		1	1				1	1		1	1	
Magnesium Chloride	1	4	2	2	1	2	1		1		1	1	1	1	1	1
Magnesium Hydroxide	1	4	1	1	2	2	1		4		1	1	1	3	1	1
Magnesium Nitrate	1		1	1	1	1	1				1	1		1	1	
Magnesium Oxide (abrasive)			1	1							1	1		3	1	
Magnesium Salts											1	1		1	1	
Magnesium Sulfate	1	1	1	2	1	1	1				4	4	1	1	1	1
Magnesium Sulfite													1			
Malathion											4	4	1	1	1	
Maleic Acid	1	3	3	3	1	2	1				4	4	1	1	1	
Maleic Anhydride							4				2	2	1		1	
Maleic Hydraxide															1	
Mailic Acid (Apple Acid)		2		1	1	2	1				1	1				2
Malt Liquors														1	1	
Manganese Choride				1											1	
Manganese (II) Chloride											1	1			1	
Manganese Carbonate											1	1	1	1	1	
Manganese Nitrate											3	3			1	



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Manganese Sulfate		4			1						1	1	1	1	1	1
Mash					1											
Mayonnaise			3	1	1			1						1	1	
Melamine				4	1		1									3
Melamine Resins			3	3							1	1		1	1	
Mercaptobenxothiazole (MBT)											1	1		1		
Mercuric Chloride		4									1	1	1	1	1	
Mercuric Chloride (dilute)	1			3	4	1	2				1	1	1	1	1	
Mercuric Cyanide	1			2	1	1	2				1	1	1	1	1	1
Mercurous Nitrate				1			1				2	2	1	4	1	
Mercury	1	4	1	1	1	1	2		1		1	1	1	1	4	
Mercury Salts (abrasive)															1	
Mercury Vapor											1	1		1		
Mesityl Oxide											2	2	1	4	1	
Methacrylacid Methylester											4	4	1	1	1	
Methacrylic Acid											2	2	1	3	1	
Methane					1		1		3		4	4	1	4	1	4
Methanol (Methyl Alcohol)	2	1	1	1	2	1	1	3		4	2	2	1	4	1	1
Methylene Chloride (CH <sub>2</sub> CL <sub>2</sub> )														1		
Methyl Acetate		1	1	1	1	2	4	4	4		2	2	1	4	1	4
Methyl Acetoacetate				1	1						2	2		4	3	
Methyl Acetone		1	1	1	1										1	
Methyl Acrylate									4		2	2	1	4	3	4
Methyl Acrylic Acid (Crotonic Acid)											1	1			2	
Methyl Alcohol (Methanol)	2	1	1	1		1			4		1	1	1	4	4	
Methyl Alcohol, 10%		1		1	2		1									1
Methyl Amine											1	1				4
Methyl Amyl Acetate											4	4	1	1	1	
Methyl Amyl Alcohol											4	4	1	1	1	
Methyl Benzoate											4	4	1	2	1	
Methyl Bromide			1	1	2		3				4	4		1	1	
Methyl Butyl Ketone			1	1	4		4		4		1	1	1	4	1	4
Methyl Butyrate											4	4	1	1	1	
Methyl Carbonate											4	4		1		
Methyl Cellosolve		1	1	1	3		2				4	4	1	2	1	4
Methyl Chloride	1	3	3	3	2	4	4		4		3	3	1	2	1	4
Methyl Chloroform											4	4		2		
Mehtyl Chloroformate											4	4		1		
Methyl Chlorosilances													1	1	1	
Methyl Cyanide (Acetonitrile)											1	1	4	4	1	
Methyl Cyclopentane				1							4	4	1	2	1	
Methyl Dichloride					3		4				2	2	1	4	1	
Methyl Ether											3	3	1	4	1	
Methyl Ethyl Keone (MEK)	1	1	1	1	1	2	2				2	2	1	4	1	4
Methyl Ethyl Ketone Peroxide						2	3	4	4		1	1	1		4	2
Methyl Formate											2	2	1	4	1	
Methyl Glycol Acetate											3	3	1	4	1	
Methyl Iodide											2	2	1	4	1	
Methyl Isobutyl Ketone (MEK)	1		1	1	2	3	3	4	4		3	3	1	4	1	4
Methyl Isopropyl Ketone			1	1	2						3	3	1	4	1	3
Methyl Mercaptan											2	2	1	1	1	
Methyl Methacrylate (MMA)											1	1	1		3	3
Methyl Oleate											2	2	1	2	4	
Methyl Phenyl Ether (Anisole)											2	2	1	4	1	
Methyl Propyl Ketone											1	1				2
Methyl Salicylate											4	4	1	2	1	
Methylamine		4		1			1							3		
Methylene Bromide				1							4	4	1	2	1	
Methylene Chloride	2	1	3	3	3	4	3	4	4	3	3	3	1	2	1	
Methylene Dichloride				1										1	1	
MIL-L-23699 Lubricants											4	4		1		

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MIL-L-7808 Lubricants											3	3		1		
MIL-spec fluids											3	3	1	1	1	
Milk	1	4	1	1	1	1		1	4		4	4	1	1	1	1
Mine Water (hardness affects wear)		1	1	1	1		2								1	
Mineral Spirits		1	1	1	1									1	1	4
Mineral Oil	1	1	1	1		3	1	1	1		3	3	4	4	4	
MLO-7277											4	4		1		
MLO-7557											4	4		1		
MLO-8200											4	4		1		
MLO-8515											4	4		1		
Mobil 24DTE											4	4		1		
Mobil Delvac 1100, 1110, 1120, 1130											4	4		1		
Mobil HF											4	4		1		
Mobil Nivac 20, 30											1	1		1		
Mobil Therm 600											4	4		1		
Mobil Velocite C											4	4		1		
Mobil Gas WA200 ATF											4	4		1		
Mobil Oil SAE 20											4	4		1		
Mobilux											4	4		1		
Molasses		2	1	1	1	1	1	2						1	1	
Monlybdenum Disulfide Grease											4	4		1		
Monobromo Benzene											4	4	4	4	4	
Monochloro Acetic Acid					4				1		4	4	1	1	1	
Monochloro Acetone											2	2	1	4	1	
Monochloro Benzene											4	4		3	4	
Monochloroacetic Acid		2			4											
Monoethanolamine (MEA)					1		2	1			2	2	1	2	1	2
Monoethylamine (Ethyl Amine)											1	1	1		1	
Monomethyl Aniline											4	4	1	2	1	
Monomethyl Ether											1	1		1	1	
Monomethyl Hydrazine											1	1	4	4	1	
Monotrotoluene 40%- Dinitrotoluene 60%											4	4		3		
Monovinyl Acetylene											1	1		1	1	
Morpholine					1		2		1		1	1			2	
Motor Oil					1		1	1								
Muriatic Acid (30%)														1	1	
Mustard	1		1	1	1			1						1		
Mustard Gas											4	4	1	1	1	
n-Dodecanol (Lauryl Alcohol)											1	1	4	4	4	
n-Heptane											4	4	1	1	1	
n-Hexaldehyde											1	1	2	4	1	
n-Hexane											4	4	1	1	1	
n-Hexanol											1	1	2	3	1	
n-Hexene (Hexylene)											1	1	1	3	1	
n-Hexene-1											4	4		1		
n-Octane							3				1	1	4	4	4	
n-Pentane											1	1	4	4	4	
n-Propyl Acetate (Propyl Acetate)											1	1	4	4	4	
n-Propyl Acetone											4	4	1	1	1	
n-Propyl Nitrate (NPN)											4	4	1	1	1	
Naphtha	1	3	1	1	1	4	2		2		4	4	1	1	1	4
Naphtha Coal Tar (Benzol)											4	4	1	1	1	
Napthalene (Tar Camphor)	1	3	1	1	1	2	2		2		4	4	1	1	1	4
Napthenic Acid		3	1	1							4	4	1	1	1	
Natural Gas		1	1			1		2			2	2	1	1	1	1
Neatsfoot Oil								1			2	2		2	1	
Neohexane											1	1	1	1	1	
Neon											2	2	1	1	1	
Neville Acid											2	2	1	4	1	
Nickel Acetate (Diacetate)			3	1							1	1	1	4	1	
Nickel Chloride		4		3	3	2	1				1	1	1	1	1	1
Nickel Chloride (abrasive)	1	1	3	3							1	1	1	1	1	

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Nickel Nitrate (Dinitrate)	2			1	1		1				1	1	1	1	1	
Nickel Salts											1	1	1	1	1	
Nickel Sulfate	1	4	3	3	1	2	1				1	1	1	1	1	1
Niter Cake		4									1	1		1		
Nitrating Acid, <15%				3			3									
Nitric Acid, 20%		4		1	4	3	4	1								4
Nitric Acid, 50%	1	4	3	3	4	3	4		3			1	3	1	4	
Nitric Acid, 5-10%	1		3	3	4	2	4	3	3		2	2	1	1	1	3
Nitric Acid (3 molar)											4	4	1	1	1	
Nitric Acid (concentrated)		4			4		1	4			4	4	2	3	1	4
Nitric Acid (dilute)	1		3	3							2	2	1	1	1	
Nitric Acid (red fuming) (RFNA)											4	4	1	2	1	
Nitric Acid (red and white fuming)													3	1		
Nitrobenzene	1	3	1	1	2	3	2	4			4	4	1	2	1	4
Nitrobenzine (Ligroin)	1		2	1							3	3	1	4	1	
Nitroethane								4			2	2	1	1	1	
Nitrogen								1			4	4	1	4	1	
Nitrogen Gas		1	1	1											1	
Nitrogen Tetraoxide											4	4	1	4	1	
Nitromethane					2		2	4			2	2	1	4	1	4
Nitropropane											2	2	1	4	1	
Nitrous Acid		4	1	1			1				1	1	4	4	1	
Nitrous Oxide		2			3		4									
o-Chloronaphthalene											4	4	1	1	1	
o-Cresol (Cresylic Acid)											1	1	4	4	1	
o-Dichlorobenzene											1	1			1	
Octachlorotoluene											4	4	1	1	1	
Octadecane											4	4	1	1	1	
Octanol (Octyl Alcohol)											1	1			4	
Octyl Acetate											1	1	1	1	1	
Octyl Alcohol (Octanol)											4	4	1	1	1	
Oils: Aniline		4			1											4
Oils: Castor		1			1											1
Oils: Citric		2			1											
Oils: Coconut																1
Oils: Cod Liver																2
Oils: Corn					1											1
Oils: Cottonseed		1			2											1
Oils: Creosote					4											4
Oils: Diesel Fuel (20,30,40,50)					1											4
Oils: Fuel (1,2,3,5A,5B,6)		2			1											3
Oils: Hydraulic Oil (petro)		1			1											2
Oils: Hydraulic Oil (synthetic)		1			1											2
Oils: Linseed		2			1											1
Oils: Mineral		1			1											3
Oils: Olive	1		1	1	1			1			4	4	1	1	1	4
Oils: Orange	1		1	1										1		4
Oils: Peanut								1								1
Oils: Pine					1											4
Oils: Rapeseed																4
Oils: Rosin					1											
Oils: Silicone					1											3
Oils: Soybean					1											1
Oils: Transformer					1											2
Oils: Turbine					1											4
Oleic Acid		4	1	1	2	3	2	1			4	4	1	2	1	4
Olein (Triolene)											4	4	1	1	1	
Oleum				2	4	4	4				4	4		1		
Oleum (fuming sulfuric acid)		3	2	1							2	2	1	1	1	
Oleum, 100%				2	4	4	4									4
Oleum, 25%					4											4
Oronite 8200, 8515											4	4		1		



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Phosphoric Acid, 50%	1		3	3							1	1	1	1	1	
Phosphoric Acid (3 molar)											2	2	1	1	1	
Phosphoric Acid (concentrated)											1	1				
Phosphoric Acid (crude)	3			2	2	2					2	2	1	1	1	4
Phosphoric Acid (molten)						4										
Phosphoric Acid (pure)	2		3	3							1	1	1	1	1	
Phosphoric Anhydride			1	1			1								1	
Phosphorus						1										
Phosphorus Trichloride											1	1	1	1	1	
Phosphorus Oxichloride				1							2	2	1	2	1	
Photographic Developer	1		3	1		1	1				2	2		1	1	2
Photographic Solutions					1	1										1
Phthalic Acid					2	1					1	1			2	2
Phthalic Anhydride				1			4				2	2	1	4	1	
Picric Acid	1		1	2	3	1	2		2		2	2	1	1	1	4
Picric Acid, H <sub>2</sub> O solution											4	4	1	1	1	
Pine Oil	1		1	1							4	4	1	1	1	
Pinene											1	1	4	4	4	
Pipeline Cleaner	1		1	1										1	1	
Piperidine											1	1	1	1	1	
Plating Solutions, Acid Fluoborate Bath														1		
Plating Solutions, Acid Sulfate Bath	1													1		
Plating Solutions, Antimony Bath	1		1	1										1	1	
Plating Solutions, Antimony Plating 130F					4											
Plating Solutions, Antimony Plating 110F					1											
Plating Solutions, Arsenic Bath	1		1	1										1	1	
Plating Solutions, Barrel Chrome Bath	3													1	1	
Plating Solutions, Barrel Copper Bath	1		1											1		
Plating Solutions, Black Chrome Bath	1													3	1	
Plating Solutions, Brass Bath-High Speed	1			1										1		
Plating Solutions, Brass Bath-Regular	1		1	1										1	1	
Plating Solutions, Brass Plating: High Speed Brass Bath 110F					1											
Plating Solutions, Brass Plating: Regular Brass Bath 100F					1											
Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.					1											
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160F					1											
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100F					1											
Plating Solutions, Cadmium Plating: Cyanide Bath 90F					1											
Plating Solutions, Cadmium Plating: Fluoborate Bath 100F					4											
Plating Solution, Chrome											2	2	1	1	1	
Plating Solutions, Chromic-Sulfuric Bath	1													1		
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95F					4											
Plating Solutions, Chromium Plating: Black Chrome Bath 115F					4											
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130F					4											
Plating Solutions, Chromium Plating: Fluoride Bath 130F					4											
Plating Solutions, Chromium Plating:Fluosilicate Bath 95F					4											
Plating Solutions, Cobalt											1	1		1		
Plating Solutions Copper											1	1		1		
Plating Solutions, Copper-Cadium Bronze Bath	1		1	1										1	1	



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Plating Solutions, Nickel Plating: Watts Type 115-160F					1											
Plating Solutions, Rhodium Bath													1			
Plating Solutions, Rhodium Plating 120F					4											
Plating Solutions, Rochelle & Potassium Salt Bath	1			1									1	1		
Plating Solutions, Rochelle & Sodium Salt Bath	1												1	1		
Plating Solutions, Silver										1	1		1			
Plating Solutions, Silver Plate Bath	1		1										1	1		
Plating Solutions, Silver Plating 80-120F					1											
Plating Solutions, Sulfate-Chloride Bath	1												1			
Plating Solutions, Tin										1	1		1			
Plating Solutions, Tin Fluoborate Bath													1	1		
Plating Solutions, Tin-Fluoborate Plating 100F					4											
Plating Solutions, Tin-Lead Plating 100F					4											
Plating Solutions, Zinc										1	1		1			
Plating Solutions, Zinc Plating: Acid Chloride 140F					4											
Plating Solutions, Zinc Plating Acid Sulfate Bath 150F					4											
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T.					1											
Pneumatic Service										1	1	1	4	1		
Polyethylene Glycol										1	1		3			
Polyvinyl Acetate										1	1			1		
Polyvinyl Acetate Emulsion										1	1	1	3	1		
Potash (Potassium Carbonate)			1	1	1	2	1						1			
Potassium Acetate								4		1	1	1		1		
Potassium Bicarbonate	2		1	2	1	1	1			1	1	1	1	1	1	1
Potassium Bisulfate										1	1	1	1	1		
Potassium Bisulfite										1	1	1	1	1		
Potassium Borate				1									1	1		
Potassium Bromate				1									1	1		
Potassium Bromide	1		1	2	1	1	1			1	1	1	1	1	1	1
Potassium Carbonate (Potash)	1		1	1						1	1	1	1	1		
Potassium Chlorate				2	3	1	1			1	1	1	1	1	2	
Potassium Chloride	1	4	1	2	1	2	1		1	1	1	1	1	1	1	1
Potassium Chromate				2	2	1	1			1	1	1	1	1		
Potassium Copper Cyanide										1	1	1	1	1		
Potassium Cupro Cyanide	1		2	2						1	1		1	1		
Potassium Cyanide	1		1	1		2		1		1	1	1	1	1		
Potassium Cyanide Solutions		4		2	1	1	1									1
Potassium Dichromate	1		1	2	2	1	1			1	1	1	1	1	1	1
Potassium Ferricyanide	1		2	1	2		1			1	1		1	1		
Potassium Ferrocyanide				2	2	1	1			1	1					
Potassium Fluoride						1		4		1	1	1	4	1		
Potassium Hydroxide (Caustic Potash)	2	4	1	2	3	1	1	3		1	1	1	4	1	3	
Potassium Hydroxide									4	1	1					
Potassium Hydroxide, 50%										1	1					
Potassium Hypochlorite					2					1	1					
Potassium Iodate										1	1	1	1	1		
Potassium Iodide					1		1			1	1	1	1	1		
Potassium Nitrate	1	2	1	2	2	2	1			1	1	1	1	1	1	1
Potassium Nitrite										1	1					
Potassium Oxalate										1	1	1	1	1		
Potassium Perchlorate										1	1	2	2	1		
Potassium Perfluoroacetate												1		1		
Potassium Permanganate	1	3	1	2	4	1	1			1	1	2	2	1		
Potassium Persulfate										1	1	1	1	1		
Potassium Phosphate		3	1	1						1	1	1	1	1		





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Salt Solution	1		1	1							1	1		1	1	
Salt Water				1	1	1			2		1	1		2		
Santosafe 300											3	3		1		
Sea Water (Brine)	1	4	1	1	1						1	1	1	2	1	1
Sesame Seed Oil	1		1	1										1	1	
Sewage			1	1					1		4	4	1	2	1	
Shave Cream			1	1										1	1	
Shell 3XF Mine Fluid											4	4		1		
Shell Alvania Grease											4	4		1		
Shell Carnea 19&29											4	4		1		
Shell Diala											4	4		1		
Shell Iru 905											4	4		1		
Shell Tellus 27 (petro base)											4	4		1		
Shell Tellus 33											4	4		1		
Shell UMF (5% Aromatic)											4	4		1		
Shellac		1	1	1									1		1	
Shellac (bleached)				1	1	1	1									
Shellac (orange)				1	1	1	1									
Silica Gel				1												1
Silicate Esters									1		4	4	1	1	1	
Silicone				1	1		1									3
Silicone Grease		1	1	1				1			1	1	1	1	1	
Silicone Oil						1	1	1	1		2	2		1	1	
Silicone Tetrachloride											1	1	1	1	1	
Silver Bromide				2							1	1	1		1	
Silver Chloride											1	1				
Silver Cyanide											1	1	1	1	1	
Silver Nitrate	1		1	2	1	2	1		1		1	1	1	4	1	1
Silver Salts			1	1											1	
Sinclair Opaline CX-EP Lube											4	4		1		
Sizing Starch																1
Skydrol® 500				1	1				4		1	1	1	4	1	
Skydrol® 7000				1	1				4		1	1	1	2	1	
Soap Solutions	1	2	1	1	1	4	1		3		1	1	1	4	1	1
Socony Mobil Type A											4	4		1		
Socony PD959B Vacuum											4	4		1		
Socony Vacuum AMV AC781 Grease											4	4		1		
Soda Ash (Sodium Carbonate)	1	1	1	2	2						1	1	1	1	1	1
Soda, Caustic (20%)		3	1	1							1	1			1	
Soda, Caustic (50%)			3	3											1	
Sodium Acetate	1	2	3	3	2	2	1				1	1	1	1	1	4
Sodium Aluminate	2		1	1	1						1	1	1	1	1	
Sodium Arsenite			1	1							1	1	1	1	1	
Sodium Azid											1	1		4		
Sodium Benzoate					2		1				1	1	1	1	1	
Sodium Bicarbonate (Baking Soda)	1	4	1	2	1	1	1	1			1	1	1	1	1	1
Sodium Bichromate				1							1	1	1	1	1	
Sodium Bisulfate	2	4	1	2	1	1	1				1	1	1	1	1	1
Sodium Bisulfide					3		1									
Sodium Bisulfite	1	3	1	1	3						1	1	1	1	1	1
Sodium Borate (Borax)	1		1	2	1	1	2				1	1	1	1	1	1
Sodium Bromide					2											
Sodium Carbonate (Soda Ash)		2		1	2	2	1				1	1	1	1	1	1
Sodium Carbonate (abrasive)	1	1	1	2							1	1	1	1	1	
Sodium Chlorate	1		1	2	4	2	1				1	1	1	1	1	3
Sodium Chloride	1	4	1	3	1	1	1	1	1		1	1	1	1	1	1
Sodium Chlorite		1	1	1							1	1	1	1	1	
Sodium Chromate				2	3						1	1				
Sodium Citrate				1							1	1	1	1	1	
Sodium Cyanide	1	4	1	1	1	1	1				1	1	1	2	1	1
Sodium Dichromate											1	1				
Sodium Ethylate											1	1				

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	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Sodium Ferricyanide											1	1				
Sodium Ferrocyanide							1				1	1	1	1	1	
Sodium Fluoride (Fluorol)	1		3	4	2	1	1				1	1	1	3	1	
Sodium Hydrogen Sulfate											1	1	1	1	1	
Sodium Hydrogen Sulfite											1	1	1	1	1	
Sodium Hydrosulfite					1								1	1	1	3
Sodium Hydroxide (Caustic Soda)						1			4		2	2	1	4	1	
Sodium Hydroxide, 20%	1	2	1	1	1	1	1				1	1	1	1	1	1
Sodium Hydroxide, 50%	1	4	1	2	1	1	1	1			1	1	1	1	1	1
Sodium Hydroxide, 80%		4		3	3	2	1									1
Sodium Hypochlorite	3			1												1
Sodium Hypochlorite, < 20%		4		3	4	1	1		4							2
Sodium Hypochlorite, >20%	1		3	3							2	2		1	1	
Sodium Hypochlorite, 20%											1	1	1	1	1	
Sodium Hypochlorite, 100%		4		4	4	2	2									2
Sodium Hyposulfate			1	1												1
Sodium Hyposulfite											1	1	1	1	1	
Sodium Iodide											1	1				
Sodium Lactate											1	1	1	1	1	
Sodium Metaphosphate		4	1	1	1	1	1				1	1	1	1	1	1
Sodium Metasilicate			1	1			1				1	1	1	1	1	
Sodium Nitrate	1	3	1	2	1	1	1				1	1	1	1	1	4
Sodium Nitrite			1	1							1	1		1	1	
Sodium Oleate											1	1	1	1	1	
Sodium Orthophenylphenate			1	1												1
Sodium Oxalate											1	1	1	1	1	
Sodium Perborate		4	3	3	2	1	1				1	1	1	1	1	2
Sodium Perchlorate											1	1	1	1	1	
Sodium Peroxide		4	1	1	1	1	2		4		1	1	1	1	1	4
Sodium Persulfate											1	1	1	1	1	
Sodium Phosphate (Di-basic)	1	3	1	1					1		1	1	1	1	1	
Sodium Phosphate (Mono-basic)	1	1	3	3							1	1	1	1	1	
Sodium Phosphate (Tri-basic)	1		1	1							1	1	1	1	1	
Sodium Polyphosphate	1	4	1	2	1	1	1				1	1		1	1	4
Sodium Pyrophosphate											1	1	1	1	1	
Sodium Salts											1	1	1	1	1	
Sodium Silicate		4		1	1	1	1				1	1	1	1	1	1
Sodium Silicate-abrasive	1	1	1	1							1	1	1	1	1	
Sodium Sulfate	1	3	1	2	1	1	1				1	1	1	2	1	1
Sodium Sulfide	1	4	1	2	1	1	1				1	1	1	1	1	1
Sodium Sulfite	1	4	1	2	4	2	1				1	1	1	1	1	1
Sodium Tartrate											1	1				1
Sodium Tetraborate			1	1	1	1					1	1	1	1	1	1
Sodium Thiosulfate	1		2	1	2	1	1				4	4	2	4	1	
Sodium Thiosulfate (hypo)		4			2											1
Sodium Tripolyphosphate				1												1
Soluble Oil		1	1	1										1	1	
Solvasol 73											4	4		1		
Solvasol 74											4	4		1		
Sorghum			1	1	1									1	1	
Sour Crude Oil											4	4	1	4		
Sour Natural Gas											3	3	1	1	1	
Soy Sauce			1	1	1									1	1	
Soybean Oil	1		1	1		1			2		3	3	1	1	1	
Sperm Oil	1	1	1	1										1	1	
Spry											2	2		1		
SR10 Fuel											4	4		1		
SR6 Fuel											4	4		1		
Standard Oil Multilube GX90-EP1											4	4		1		
Stannic Chloride	1			4	2	1	1				1	1	1	1	1	2
Stannic Chloride, 50%											1	1	1	1	1	
Stannic Fluoborate				1										1	1	

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Chemical or Media	Metals				Plastics						Elastomers					
	Aluminum 2024	Brass	303/304 Stainless Steel	316 Stainless Steel	Nylon	Polyethylene	Polypropylene	Polysulfone	Polyurethane	Vectra Grade A130	AEPDM	EPDM	FFKM (Chemraz®)	FKM (Viton®)	PTFE (Teflon®)	VMQ (Silicone)
Stannous Chloride	1			3	3	2	1				1	1	1	1	1	2
Stannous Chloride, 15%											1	1	1	1	1	
Starch		1	1	1	1	2	1				4	4	1	2	1	
Stauffer 7700											4	4	1	1	1	
Steam (to 149 deg C.)											1	1		3		
Steam (to 150 deg C.)											1	1	1	1	1	
Steam (to 175 deg C.)											4	4	1	1	1	
Steam (to 200 deg C.)											4	4	2	3	1	
Steam (to 260 deg C.)											3	3	1	2	1	
Steam (over 149 deg. C.)											2	2		4		
Stearic Acid	1	4	1	1	1	2	1				4	4	1	2	1	2
Stemric Acid		1	1	1										1	1	
Stoddard Solvent	1	1	1	1	1	3	3	1	1		4	4	1	2	1	4
Styrene (Vinylbenzene)		1	1	1	1						1	1	1	2	1	4
Styrene Monomer									4		4	4		2		
Succinic Acid											1	1	1	1	1	
Sucrose Solution						2			4		1	1				
Sugar (liquids)				1	1		1									1
Sugar Solutions		1	1	1										1	1	
Sulfamic Acid											1	1	1	1	1	
Sulfate (liquors)			3	3	2	1	1								1	2
Sulfite (liquors)											2	2	1	1	1	
Sulfolane								4			1	1		2		
Sulfonated Fatty Alcohols																1
Sulfonated Vegetable Oils													1			1
Sulfur											4	4	1	1	1	
Sulfur, molten			1	1							3	3	1	1	1	
Sulfur Based Cutting Oil		1	1	1												1
Sulfur Chloride		4		4	3	3	3				4	4	1	4	1	3
Sulfur Dioxide		4		1	3	2	1									2
Sulfur Dioxide (dry)		4		1	2	2	1				1	1	1	4	1	2
Sulfur Dioxide (wet)											1	1	2	4	1	
Sulfur Dioxide Gas	1	3	3	3							1	1	1	1	1	
Sulfur Dioxide, pressurized											1	1		4		
Sulfur Hexafluoride					2						3	3	2	2	1	2
Sulfur Trioxide		4	3	3	4						2	2	1	1	1	2
Sulfur Trioxide (dry)		1		1	1	3	1				3	3	1	1	1	2
Sulfuric Acid, <10%				2	3	1	1									3
Sulfuric Acid, 10%	1		3	3									1	1	1	
Sulfuric Acid, 10-75%	4	4		4	4	3	1	1	4		4	4		1	1	4
Sulfuric Acid, 3 molar											4	4	1	1	1	
Sulfuric Acid, 75%	3										3	3	1	1	1	
Sulfuric Acid, 75-100%				4	4	2	3									4
Sulfuric Acid, cold concentrated				2	4	3	1									4
Sulfuric Acid, concentrated					2	1	4	4			4	4	1	2	1	
Sulfuric Acid, fuming											4	4	1	2	1	
Sulfuric Acid, hot concentrated				3	4	4	4									4
Sulfurous Acid	1		3	3	4	2	1		4		2	2	1	1	1	4
Sulfonyl Chloride											1	1	1	1	1	
Sunoco 3661											4	4		1		
Sunoco SAE 10											4	4		1		
SunSAFE (fire resistant fluid)											4	4		1		
Supershell Gasoline											4	4		1		
Swanfinch EP Lubricant											4	4		1		
Swandinch Hypoid 90											4	4		1		
Synthetic Detergent		3	1	1												1
Tallow					1		1									
Tallow (hot)		1	1	1									1	1	1	
Tannic Acid	1	2	3	3	3	2	1		4		4	4	1	1	1	2
Tanning Liquors	1	1	1	1	1	1	1							1	1	2
Tanning Oil			1	1										1		
Tar		1	1	1							3	3	1	1	1	

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Tar, bituminous											4	4	1	1	1	
Tartaric Acid	1	4	3	3	2	1	1				2	2	2	4	1	1
Terpineol (Terpilenol)	1			1							3	3	1	1	1	
Tertiary Butyl Alcohol											2	2	1	1	1	
Tertiary Butyl Catechol											4	4	1	1	1	
Tertiary Butyl Mercaptain											4	4	1	1	1	
Tetrabromoethane											4	4	4	4	1	
Tetrabromomethane											1	1	1	1	1	
Tertrabutyl Titanate (TBT)											1	1	3	4	1	
Tetrachlorodifluoroethane								1			4	4	1	1	1	
Tetrachloroethane	1	3	1	1	3		3	4			4	4	1	1	1	4
Tetrachloroethylene				1	1	2	4		4		4	4	1	1	1	4
Tetrachloromethane								4			4	4	1	1	1	
Tetraethyl Lead			1	1							4	4	1	1	1	
Tetraethylene Glycol (TEG)											1	1	1	1	1	
Tetrafluoromethane											3	3	1	4	1	
Tetrahydrofuran (THF)	2		1	1	1	3	3	4			2	2	1	4	1	4
Tetralin® (Tetrahydronaphthalene)											4	4		1		
Texaco Capella A & AA											4	4		1		
Texaco Meropa 220 No. 3 (No lead)											4	4		1		
Texaco Regal B											4	4		1		
Texaco Uni-Temp Grease											4	4		1		
Texamatic "A" Transmission Oil											4	4		1		
Texamatic 3401 Fluid											4	4		1		
Texamatic 3525 Fluid											4	4		1		
Texamatic 3528 Fluid											4	4		1		
Texas 1500 Oil											4	4		1		
Thioglycolic Acid											3	3	1	2	3	
Thiokol TP-90B											1	1		1		
Thiokol TP-95											1	1		1		
Thionyl Chloride											4	4	2	1	1	
Thiophene (Thiofuran)																2
Tidewater Multigear 140, EP Lube											4	4		1		
Tidewater Oil, Beedol											4	4		1		
Tin Salts							1				2	2	2	4	1	
Titanium Tetrachloride	1	1	1	1	1						4	4	1	3	1	4
Toluene (Toluol)				1	1	3	3	4	4	1	4	4	1	1	2	
Toluene Diisocyanate											2	2		4		
Toluene Di-Isocyanide (TDI)											4	4	1	1	1	
Toluidine					1											
Tomato Juice		1	1	1	1	1	1	1						1	1	
Tomato Pulp			1	1							4	4	1	1	1	
Transformer Oil		1	1	1					2		4	4		1	1	
Transformer Pyranol		1	1	1							1	1	1	4	1	
Transmission Fluid, type A									2		4	4	1	4	1	
Triacetin											1	1	1	1	1	
Trialkyl Phosphate											1	1	1	1	1	
Triaryl Phosphate											1	1	1	1	1	
Tributoxyl Ethyl Phosphate											1	1	1	4	1	
Tributyl Mercaptan											2	2	1	3	1	
Tributyl Phosphate (TBP)					3						2	2	1	4	2	4
Trichloroacetic Acid (TCA)					3		1				4	4	1	3	1	
Trichlorobenzene	1		3	1	3						4	4	1	3	1	4
Trichloroethane	2	1	1	1	3	4	3		4		4	4	1	2	1	4
Trichloroethylene				2	3	4	3		4		4	4		1	2	
Trichlorofluoromethane				1										1	1	
Trichloropane		1	1	1							3	3	1	2	1	
Trichloropropane											2	2	1	2	1	
Trichlorotrifluoroethane	2			1				1			1	1	1	3	1	
Tricresyl Phosphate (TCP)				1	1	2	1				1	1		2		3
Tricresylphosphate											2	2	2	3	1	
Tridecyl Alcohol (Tridecanol)											1	1			2	



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Water (deionized)	1	1	1	1	1		1				1	1	1	1	1	3
Water (distilled)		2		1	1	1	1									2
Water (fresh)				1	1	1	1								1	
Water (hot)															1	
Water (potable)	1	4	1	1	1						4	4	1	1	1	2
Water (salt)		1	1	2	1	1	1							1	1	
Water Based Soluble Oil					1											1
Weed Killers	1	2	1	1	1						4	4	1	1	1	1
Wemco C											4	4		1		
Whiskey & Wines				1	1	3	1		1		1	1		1	1	
White Gas		2	1	1	1									1	1	1
White Liquor (pulp mill)				1	1	1	1				1	1	1	1	1	
White Oil									1		4	4	1	1	1	
White Pine Oil					1						4	4		1		
White Water (paper mill)				1	1		1				1	1	1	1	1	
Wolmar Salts											1	1		1		
Wood Alcohol (Methanol)											4	4	1	1	1	
Wood Oil									3		4	4	1	4	1	
Xenon	1	1	1	1	1						1	1	1	1	1	4
Xylene (Xylol)				1	1	4	4	4	4		4	4	1	4	1	
Xylidine (Xylidin)		1	1	1									1	1	1	
Xylidines- mixed											4	4		4		
Xylol				1							4	4		1	1	
Yeast											1	1			1	
Zeolites											1	1	1	1	1	
Zinc Acetate									4		1	1	1	4	1	
Zinc Ammonium Chloride											1	1				
Zinc Carbonate	1	4	3	3	1						1	1		1	1	2
Zinc Chloride				4	1	1	1		2		1	1	1	1	1	
Zinc Cyanide			1	1	1						1	1	1		1	
Zinc Hydrosulfite	1	3	1	1	1						1	1	1	1	1	
Zinc Nitrate											1	1	1	1	1	
Zinc Phosphate Solution													1		1	
Zinc Salts	1	3	1	1	1						1	1	1	1	1	1
Zinc Sulfate				2	1	1	1				1	1		1		