

NOMENCLATURE		Body				Gears and Bearings						O-Rings								
A = Satisfactory	B = Slight Attack																			
NR = Not Recommended	~ = Not Tested																			
Notes: ¹ Satisfactory to 72°F (22°C)																				
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Rev B July 2001																				
CHEMICAL																				
Acetaldehyde	A A A A A	316 SS	PPS	Hastelloy-C	Titanium	Alloy 20	Waukeshha 88						Viton	PTFE (Teflon)	Ebon-N	EPDM	Neoprene	Silicone Rubber	Kal-Rez	Ceramic Magnet
Acetamide	A A A ~ A ¹				~		PPS	SSM	PEEK	PTFE (Teflon)	LCP	Carbon	NR	NR	A	C	A	A	~	
Acetate Solvent	A A A A A				~		A A	~	A	~	A	NR	A	C	A	NR	C	A ¹	~	
Acetic Acid	B A A A A				~		A A	~	A	~	A	B	A	C	A	C	C	A	~	
Acetic Acid 20%	A A A A A				~		A A	A A	~	A	B	A	B	A	B	A	A	A	A	
Acetic Acid 80%	B A A A A				~		A A	A A	~	A	B	A	C	A	C	B	A	A		
Acetic Acid, Glacial	A A A A A				~		A A	A A	A A	NR	A	C	B	NR	B	A ²	A			
Acetic Anhydride	A A A A B				B	A A	~	A	~	A	~	NR	A	NR	B	A	C	A	~	
Acetic Vapors	~ ~ ~ A ~				~		~	~	~	~	~	~	~	~	~	~	~	~	~	
Acetone	A A A A A				A A A A A		A A A A A		A A A A A		NR	A	NR	A	C	B	A	A	~	
Acetonitrile	~ A ~ ~ ~				A A A A A		A A A A A		A A A A A		~	~	~	~	~	~	~	~	~	
Acetophenone	~ B ~ ~ ~				~		B B	~	~	~	~	~	~	~	~	~	~	~	~	
Acetyl Bromide	~ ~ ~ ~ ~				~		~	~	~	A	~	~	~	A	~	~	~	~	~	
Acetyl Chloride (dry)	A A A ~ B				A A A A		~	A	~	A	A	A	NR	NR	NR	C	A	~		
Acetylene	A A A ~ A				B A A A		A A A A	~	A A A A		A A	A	B	A	B	B	A	~		
Acrylic Acid	~ ~ ~ ~ ~				~		~	~	A	~	~	~	~	~	~	~	~	~	~	
Acrylonitrile	A ¹ ~ B A A ¹				~		~	~	A	~	B	NR	A	NR	NR	C	NR	~	~	
Adhesives (not cyanoacrylates)	~ ~ ~ ~ ~				~		~	~	A	~	~	~	~	~	~	~	~	~	~	
Adipic Acid	A ² ~ A ¹ A				~		~	~	A	~	A ²	A ²	A	C	A ²	C	~	~	~	
Alcohol: 2-Aminoethanol	~ A ~ ~ ~				A A A A		~	~	~	~	~	~	~	~	~	~	~	~	~	
Aliphatic Esters	~ ~ ~ ~ ~				~		~	~	A	~	~	~	~	~	~	~	~	~	~	
Aluminum Chloride	B A A B B ¹				~		A A A A	~	A A A A		A A A A A A A B	A	A	A	A	A	B	A	~	
Aluminum Chloride 20%	C ¹ A A B C ¹				~		A A A A	~	A A A A		A A A A A A A B	A	A	A	A	A	B	A	B	
Aluminum Fluoride	NR A B A C				~		A A	~	A	~	A A A A A A A B	~	~	~	~	~	B	~	B	
Aluminum Fluoride 5%	~ ~ ~ ~ ~				~		~	~	NR	~	~	~	~	~	~	~	~	~	~	
Aluminum Hydroxide	C ¹ ~ B B ¹ A ¹ A				~		~	~	A	~	A A A A A A A A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	
Aluminum Nitrate	A ~ ~ A A ¹				~		~	~	A	~	A ²	A ²	A A A A A A A A ¹	B ¹	A ¹	A ¹	A ¹	A ¹	A ¹	
Aluminum Potassium Sulfate	B ² ~ C A B NR				~		~	~	A	~	A A A A A A A A A A	~	~	~	~	~	A	~	A	
Aluminum Potassium Sulfate 10%	A ~ C A A NR				~		~	~	A	~	A A A A A A A A A A	~	~	~	~	~	A	~	A	
Aluminum Sulfate	B ² A B A B A ¹ A				~		A A A A	~	A A A A		A A A A A A A A A A	~	~	~	~	~	A	~	A	
Alums	A ~ B A A				~		~	~	A	A	~	~	A A A A A A A B A ¹	~	~	~	~	~	~	~
Amines	A B B B B				~		B B	~	A ²	~	A NR	A ²	NR	B B B	B	A	~	A	~	A
Ammonia 10%	A A ¹ A C A ¹				~		A ¹ A ¹	~	A	~	A NR	A A A A A A A A	~	A	~	~	~	~	~	
Ammonia 880	~ ~ ~ ~ ~				~		~	~	A	~	~	~	~	~	~	~	~	~	~	
Ammonia-anhydrous	A ² A ¹ B C A A A ¹ A ¹				~		A A A A	~	A A A A		A NR	A B A A C A	~	A	~	~	~	~	~	
Ammonia-aqueous	~ ~ ~ ~ ~				~		~	~	A	~	~	~	~	~	~	~	~	~	~	
Ammonia-liquid	A ² A ¹ B C B ² A ¹ A ¹				~		A ¹ A ¹	~	A	~	A NR	A C A A A A A A	~	A	~	~	~	~		
Ammonia Nitrate	A A ~ A A				~		A A	~	A	~	NR	A C A C	~	A	~	~	~	~	~	
Ammonium Acetate	A ~ A ~ A ¹				~		~	~	A	~	A A B A A A A A A	~	~	~	~	~	~	~	~	
Ammonium Bifluoride	B ¹ ~ B NR B				~		~	~	A	~	A A A B A ² NR	~	~	~	~	~	~	~	~	
Ammonium Carbonate	B A B A B A A A A				~		~	~	A	~	A A A B A A A A C	~	~	~	~	~	~	~	~	
Ammonium Caseinate	~ ~ ~ ~ ~				~		~	~	A	~	~	~	A	~	~	A	~	~	~	
Ammonium Chloride	B ² A NR B B NR A A				~		~	~	A	~	A A A B A B C A A	~	~	~	~	~	~	~	~	
Ammonium Chloride 10%	~ ~ ~ ~ ~				~		~	~	NR	~	A	~	~	~	~	~	~	~	~	
Ammonium Hydroxide	A ¹ A B A A NR A A A A				~		~	~	A	~	A B A NR A A A A A A	~	~	~	~	~	~	~	~	
Ammonium Nitrate	A A B A A A A A A A A				~		~	~	A	~	A A A A A A A B C A	~	~	~	~	~	~	~	~	
Ammonium Oxalate	A ~ A ~ A A A				~		~	~	A	~	~	~	A NR	A A A A A A A	~	~	~	~	~	
Ammonium Persulfate	B ~ B A B A				~		~	~	A ¹	~	A A A A A A A B A NR	~	~	~	~	~	~	~	~	
Ammonium Phosphate, Dibasic	C A B A A ¹				~		A A	~	A ²	~	A A A A A A A A A A	~	~	~	~	~	~	~	~	
Ammonium Phosphate, Monobasic	C ~ B A C				~		~	~	A	~	A A A A A A A A A A	~	~	~	~	~	~	~	~	
Ammonium Phosphate, Tribasic	B ~ B A A ¹				~		~	~	A	~	A A A A A A A A A A	~	~	~	~	~	~	~	~	
Ammonium Sulfate	B A B A B B A A				~		~	~	A	~	A A A A A A A A A A	~	~	~	~	~	~	~	~	
Ammonium Sulfite	B ~ ~ A ~				~		~	~	A ²	~	NR NR A ² A ¹ A ¹ A ¹	~	~	~	~	~	~	~		
Ammonium Thiosulfate	A ~ ~ A ~				~		~	~	A ¹	~	A A A A A A A A A A	~	~	~	~	~	~	~	~	
Amyl Acetate	A A A A A NR A A A A				~		~	~	A	~	A NR A A NR NR A A	~	~	~	~	~	~	~	~	
Amyl Alcohol	A A A B A A A A				~		~	~	A	~	A NR A B A B NR A	~	~	~	~	~	~	~	~	
Amyl Chloride	A ² ~ A ¹ C A ² NR				~		~	~	A	~	A B ¹ A NR NR NR A A	~	~	~	~	~	~	~		
Aniline	B A B C A A A A A A				~		~	~	A	~	A A A A A A A B NR B	~	~	~	~	~	~	~	~	
Aniline Hydrochloride	NR ~ NR A B				~		~	~	A	~	NR A A NR B NR NR A	~	~	~	~	~	~	~	~	
Aniline Hydrochloride 5%	~ ~ ~ ~ ~				~		~	~	A	~	~	~	~	~	~	~	~	~	~	

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CHEMICAL		316 SS	PPS	Hastelloy-C	Titanium	Alloy 20	Waukeshha 88	PPS	SSM	PEEK	PTFE (Teflon)	LCP	Carbon	Viton	PTFE (Teflon)	Ebonite-N	EPDM	
Aniline Oil	A ~	B NR	A	~	~	~	~	~	~	A A	~	~	C	A NR	NR	NR	~	
Anise Oil	A ~	~	~	A	~	~	~	~	~	A ~	~	~	~	~	NR	~	~	
Antifreeze	A ~	A ¹	~	A	~	~	~	~	~	A ¹ A	~	A A ¹	A A	C C	~	~	~	
Antimony Trichloride	NR ~	A ¹ B	B NR	~	~	~	~	~	~	A A	~	A ²	A B	B ¹	~	~	A ~	
Apple Juice	~ ~	~ ~	~ ~	~	~	~	~	~	~	A ~	~	~	~	~	~	~	~	
Aqua Regia (80% HCl, 20% HNO ₃)	NR NR	C A ¹	NR	~	NR NR	C A	~	NR	B	A NR	C NR	NR	A C					
Arochlor 1248	B ~	A A ¹	~	~	~	~	~	~	~	A ~	~	A A	C ¹ B	NR	B A ¹	~		
Aromatic Hydrocarbons	C ~	~	~	~	~	~	~	~	~	A ~	~	A	~	NR	NR	NR	~	
Aromatic Solvents	~ ~	~	~	~	~	~	~	~	~	A ~	~	~	~	~	~	~	~	
Arsenic Acid	A ² A	B B	A ¹	NR	A A	~	A	~	A	A A ²	A A ²	A A	A A	~	~	~		
Arsenic Salts	~ ~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Asphalt	A A A A ¹	A A ¹	A A ¹	A A	~	A A	~	A ¹	~	A A	A A ¹	B NR	NR	NR	A	~		
Asphalt Emulsions	~ A	~	~	~	A A	A A	~	~	~	~	~	~	~	~	~	~	~	
Aviation Hydraulic Fluid	~ ~	~	~	~	~	~	~	~	~	A ~	~	~	~	~	~	~	~	
Aviation Spirit	~ ~	~	~	~	~	~	~	~	~	A ~	~	~	~	~	~	~	~	
Barium Carbonate	B A ²	B A B ¹	A B ¹	A A ²	A ²	~	A	~	A A	A A A ²	A	~	~	A A				
Barium Chloride	A ¹ A B	A B B	B A A	~	A A	~	A	~	A A	A A A A A A	A A							
Barium Cyanide	A ² ~	A ~ A ¹	~	~	~	~	~	A ¹	~	A A ¹ C A C	~	~						
Barium Hydroxide	B A B B	B ¹ A ¹	A A	~	A A	~	A	~	A A	A A A A A A	A A							
Barium Nitrate	B ~	~ A B	A	~	~	~	A ¹	~	A A	A A A ¹ A ²	A A B	A	~					
Barium Salts (Chloride, Sulfide)	~ ~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	
Barium Sulfate	B ¹ A A B B	A A A A	~	A	~	~	A	~	A A	A A A A A A	A A							
Barium Sulfide	B ² ~	~ A A ¹	~	~	~	~	A	~	A A	A A A A A A	A A	~	A					
Bay Oil	A ~	~	~ A	~	~	~	~	~	~	A ~	~	~	NR	~	~	~	~	
Beer	A A ²	A ¹ B	A A	~	A ² A ²	A A	~	A A	A A A A A A	A A A A A A	A A							
Beet Sugar Liquids	A ~	A ¹ A A	A A ¹	~	~	A ¹	~	A	A A ¹ A A A A	A A A A A A	A A	~						
Benzaldehyde	B A A A A A	A A ¹ A A A A	~	A A A A A A	~	A A A A A A	~	A N R	A ¹ N R A N R N R A A	N R N R A A	N R N R A A							
Benzene	B A B A A A	A A A A A A	~	A A A A A A	~	A A A A A A	~	A A	A A N R N R N R B A	N R N R B A	N R N R B A							
Benzene Sulfonic Acid	B A B B A A	A A A A A A	~	A A A A A A	~	A A A A A A	~	A A	A A N R N R N R A A	N R N R A A	N R N R A A							
Benzoic Acid	B A ¹ B ¹ A B	~ A ¹ A ¹ A A ²	~ A A	~	A A A A A A	~	A A A A A A	~	A A A A A A	N R N R B B A A	B A A							
Benzoic Acid 5%	~ ~	~ ~	~ ~	~	A ~	~	~	~	~	~	~	~	~	~	~	~	~	
Benzol	A ¹ A B A A	~ A A	~ A A	~	A A	~ A A	~ A	A	A A A A A A	N R N R N R N R A A	N R N R A A							
Benzonitrile	NR A C	~ ~	~ ~	A A	~	A A	~ A ²	~ A	A ~ A ²	~ ~ A ²	~ ~ A ¹ A ²	~ ~ A ¹ A ²	~ ~ A ¹ A ²	~ ~ A ¹ A ²	~ ~ A ¹ A ²	~ ~ A ¹ A ²	~ ~ A ¹ A ²	
Benzyl Alcohol	B A A A A A	~ A A A A A A	~ A A A A A A	~	A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A
Benzyl Chloride	B ¹ A C	~ ~	~ ~	A A	~	A A	~ A A	~ A	A ~ A A	~ A A A A A A	N R N R N R N R A A	N R N R N R N R A A	N R N R N R N R A A	N R N R N R N R A A	N R N R N R N R A A	N R N R N R N R A A	N R N R N R N R A A	N R N R N R N R A A
Bleach	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A
Bleaching Liquors	~ ~	~ ~	~ A	~	~	~	~	A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A
Blood	~ ~	~ ~	~ A	~	A ¹	~	~	~	~	~	~	~	~	~	~	~	~	~
Bone Oil	A ~	~ ~	~ A	~	A ~	~	~	~	A ~	~	A A A	~	NR	~	~	~	~	~
Borax (Sodium Borate)	A A B B A A	A A A A A A	~	A A A A A A	~	A A A A A A	~	A A	A A B A A B A A	A A B A A B A A	A A B A A B A A							
Boric Acid	A ¹ A A A B ²	A A A A A A	~	A A A A A A	~	A A A A A A	~	A A	A A A A A A	A A A A A A	A A A A A A							
Brake Fluid (Mineral)	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A
Brake Fluid (Polyglycol)	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A
Brewery Slop	A ~	~ ~	~ A	~	A ~	~	~	~	A ~	~	A ~ A	~ A	~ A	~ A	~ A	~ A	~ A	~ A
Brine	~ ~	~ ~	~ ~	~ ~	A ¹	~	~	A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A
Bromine	NR NR A NR NR	~ NR NR C A	~ NR NR C A	~	NR NR C A	~	NR NR C A	~	NR NR C A	A A NR NR NR NR A A	N R N R A A	N R N R A A	N R N R A A	N R N R A A	N R N R A A	N R N R A A	N R N R A A	N R N R A A
Bromine (dry)	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C
Bromine (wet)	~ NR	~ ~	~ ~	~ NR	~ ~	~ NR	~ ~	C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C	~ ~ C
Bromine Water, Saturated	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	~ ~	A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A
Butadiene	A ¹ A ¹ C	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	A ²	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A
Butane	A ² A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A
Butanol (Butyl Alcohol)	A ¹ A B B A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	A ²	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A
Butter	A ~ A A A ¹ A A	~ A A A ¹ A A	~ A A A ¹ A A	~ A A A ¹ A A	~ A A A ¹ A A	~ A A A ¹ A A	~ A A A ¹ A A	A ¹	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A
Buttermilk	A ~ A A ~ ~	~ ~ A ~ ~	~ ~ A ~ ~	~ ~ A ~ ~	~ ~ A ~ ~	~ ~ A ~ ~	~ ~ A ~ ~	A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A	~ ~ A
Butyl Acetate	A A A A B ¹	NR A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A	~ A A A A A A
Butyl Alcohol	A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	A ¹	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A
Butyl Amine	A NR B ²	B ² ~ A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	A ²	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A
Butyl Ether	A ¹ A ²	~ ~ A A A A A A	~ ~ A A A A A A	~ ~ A A A A A A	~ ~ A A A A A A	~ ~ A A A A A A	~ ~ A A A A A A	A ¹	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A
Butyl Phthalate	B ² A B ²	B A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	A ²	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A
Butylene	A A A A ¹	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A	~ A A A A A A A A

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CHEMICAL																		
Butyric Acid	B ²	A	A ¹	A	B	~	A	A	~	A ²	~	A	B ¹	A ²	NR	B	NR	
Butyric Acid 5%	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	
Calcium Bisulfate	A	~	~	~	~	~	~	~	~	A ¹	~	~	A ¹	A ¹	A	A	C	
Calcium Bisulfide	B	~	A	A	B	~	~	~	A	A	~	~	A	A	C	A	A	
Calcium Bisulfite	A	A	B	A	B ¹	~	A	A	~	A	~	A	A	A	NR	A	A	
Calcium Carbonate	B	~	B	B	B ¹	A ¹	~	~	A	A	~	A	A	A	A	A	~	
Calcium Chlorate	B	~	B ¹	A	B ¹	~	~	~	A	~	~	A	A	A	A	~	~	
Calcium Chloride	B ²	A	A	A	B	~	A	A	A	A	~	A	A	A	A	A	A	
Calcium Hydroxide	B	A	A	A	B	~	A	A	A	A	~	A	A	A	A	A	A	
Calcium Hypochlorite	B ¹	A	B	A ¹	C	~	A	A	A	A	~	A	A	C ¹	B ¹	NR	B	
Calcium Nitrate	B ²	A	B ²	B ²	~	~	A	A	A	A ²	~	A ²	A ²	A ²	A ²	B ¹	A ¹	~
Calcium Oxide	A	A	A	A	A	~	A	A	~	A	~	~	B	A	A	A	~	
Calcium Sulfate	B	A	B	A	B ¹	~	A	A	A	A	~	A	A	A ²	A	B	~	
Calgon	A	~	~	~	~	~	~	~	~	~	~	~	A	~	A	A	A	
Cane Juice	A	~	~	~	A	A ¹	~	~	~	A	~	~	A	A	A	A	~	
Carboxic Acid (Phenol)	B	A	A	A	C	A	A	A	A	A	~	A	A	NR	B	NR	B	
Carbon Bisulfide	B	~	~	~	B	~	~	~	A	~	~	A	A	C	NR	NR	NR	
Carbon Dioxide	A ¹	A	A	A	A	~	A	A	~	A	~	A	B	A	A	B	B	
Carbon Dioxide (dry)	A ¹	A	A	A	A	~	A	A	A	A	~	A	B	A	A	B	B	
Carbon Dioxide (wet)	A ¹	A	A	A	A	~	A	A	~	A	~	A	B	A	A	B	A	
Carbon Disulfide	B	A	B	B	B ¹	A	A	A	A	A	~	A ¹	A	NR	NR	NR	~	
Carbon Monoxide	A	~	B	~	B	~	~	~	A	A	~	A	A	A	A	B	A ²	
Carbon Tetrachloride	B	A	A ¹	A	B	A ¹	A	A	A	A	~	A	A	NR	NR	NR	A ¹	
Carbon Tetrachloride (dry)	B ²	A ²	B	A ²	B	~	A ²	A ²	A	A	~	A ²	A ²	A ¹	C ¹	B ¹	NR	
Carbon Tetrachloride (wet)	A ²	A ²	B	A ²	A	~	A ²	A ²	~	A	~	A ²	~	A	NR	NR	NR	
Carbonated Water	A	~	A	~	C	A ¹	~	~	~	~	~	A	A	~	A	~	~	
Carbonic Acid	A	A	A ²	B ¹	A	~	A	A	A	A	~	A	A	NR	B	NR	A	
Castor Oil	A	~	A ¹	A	A	A ¹	~	~	A	~	~	A	A	B	B	A	~	
Catsup	A	~	A ¹	~	C	A ¹	~	~	A	~	~	A	~	A	A	A	~	
Cellosolves	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~	~	~	
Chloric Acid	C ¹	~	A ²	~	A ¹	~	~	~	A	~	NR	~	A	~	~	~	A	
Chlorinated Glue	A	~	~	~	A	~	~	~	~	~	~	A	~	B	B	NR	~	
Chlorine Water	C ¹	NR	A ²	A	A ²	~	NR	NR	~	A	A	A	A	NR	C	NR	NR	
Chlorine (dry)	B	NR	A ²	NR	A	~	NR	NR	C	A	~	A	A	B	A	C	NR	
Chlorine (Wet)	~	~	~	~	~	~	~	~	C	~	~	~	~	~	~	~	~	
Chlorine (gas-dry)	~	~	~	~	~	A ¹	~	~	~	A	~	~	~	~	~	~	~	
Chlorine (gas-wet)	~	~	~	~	A	~	~	~	A	~	~	~	~	~	~	~	~	
Chlorine, Anhydrous Liquid	C ¹	NR	NR	NR	NR	NR	~	NR	NR	~	A	~	A	A	NR	B	NR	
Chloroacetic Acid	A ¹	A	A ¹	A ¹	B ¹	~	A	A	A	A	~	A	NR	A	NR	B	NR	
Chlorobenzene (dry)	~	A	~	~	~	~	A	A	A	A	~	~	~	~	~	~	~	
Chlorobenzene (Mono)	B	A	A	B	A	~	A	A	A	B	~	A	A	B	NR	NR	A ¹	
Chlorobromomethane	A	~	~	~	A ¹	~	~	~	A	~	~	A	A	NR	B	NR	~	
Chloroethanol (2-Chloroethanol)	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~	~	~	
Chloroform	A	A	A ¹	A ²	A	C	A	A	A	A ¹	~	A	A	A ¹	NR	NR	NR	
Chlorohydroxide (wet)	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~	~	~	
Chlorophenol, 5% Aqueous	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~	~	~	
Chlorosulfonic Acid	B ²	NR	A ¹	A	NR	~	NR	NR	C	A	~	A	NR	A	NR	NR	B ²	
Chocolate Syrup	A	~	B	~	NR	A ¹	~	~	A	~	~	A	A	A	A	A	~	
Chromic Acid 5%	A	A	B	A	NR	~	A	A	~	A	~	A	A	NR	A	NR	C	
Chromic Acid 10%	B	A	A	B	NR	~	A	A	~	A	~	A	B	A	NR	C	A	
Chromic Acid 30%	B ²	B	NR	A	NR	~	B	B	~	A	~	A	A	NR	B	NR	C	
Chromic Acid 50%	B ²	A ¹	B	A ²	NR	~	A ¹	A ¹	C	A	~	A ¹	A	A	NR	B	NR	
Chromic Acid 100%	~	A	~	~	~	~	A	A	~	A	~	A	~	~	~	~	~	
Chromium Salts	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Cider	A	~	A ¹	~	A	~	~	~	A	~	~	A	A	A	A	B ¹	~	
Cinnamon Oil	A	~	~	~	A	~	~	~	A	~	~	A	A	~	C	~	~	
Citric Acid	A ²	A	A	A ²	B	A	A	A	A	A	~	A	A	A	A	A	A ²	
Citric Oils	A	~	A	~	NR	~	~	~	A	~	~	A	A	NR	B	NR	C	
Clorox (Bleach)	A	NR	A	B	NR	~	NR	NR	~	A	~	A	A	NR	B	B	B ¹	
Clove Oil	A	~	A	~	A	~	~	~	A	~	~	A	A	A	~	C	~	

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CHEMICAL															
Coconut Oil	A	~	A	~	A						A	A	A	NR	C
Cod Liver Oil	A	~	A	~	A						A	A	A	A	B
Coffee	A	~	A	A	NR	A ¹					A	~	A	A	A
Cooking Oil	~	~	~	~	~						~	~	~	~	~
Copper Acetate	~	~	~	~	~						~	~	~	~	~
Copper Carbonate	~	~	~	A	~						~	~	~	~	~
Copper Chloride	NR	A	A	B	NR	~	A	A	A	~	A	A	A	A	A ¹
Copper Cyanide	B	A	A ¹	B	B	~	A	A	A	~	A	A	A	A	A
Copper Fluoborate	NR	~	B	~	NR	~	~	~	~	A ¹	~	A	A ¹	B	~
Copper Fluoride	A	~	A	A	NR	~	~	~	A	~	~	A	~	A	A
Copper Nitrate	A ²	A	B ²	B	A	~	A	A	A	~	A	A	A	A	A
Copper Sulfate 5%	B	A	A	A	A	~	A	A	A	~	A	A	A	A	A
Copper Sulfate > 5%	B	A	A	A	B	~	A	A	A	~	A	A	A	A	A
Corn Oil	A	~	A	~	C	~	~	~	A	~	B	A	NR	C	A
Cottonseed Oil	A	A	A	A	A	A ¹	A	A	~	A	A	A	NR	C	A
Cream	A	~	~	~	NR	~	~	~	A	~	A	A	A	~	NR
Creosols	A	A	B ²	B	A ²	A ¹	A	A	~	A	A	A	NR	NR	NR
Creosote	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Creosote Oil	B	~	B	A	C	~	~	~	A	~	A	A	NR	NR	C
Cresyldiphenyl Phosphate	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Cresylic Acid	A	~	B ¹	A ¹	A	~	~	~	A	~	A	A	NR	NR	NR
Crude Oil	~	A	~	~	~	~	A	A	A	~	~	~	~	~	~
Cupric Acid	B ²	A	A ¹	A ²	~	~	A	A	~	A	A ²	A ²	A	B ²	A ²
Cupric Chloride	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Cupric Fluoride	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Cupric Sulfate	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Cuprous Chloride	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Cyanic Acid	A	~	~	~	NR	~	~	~	A	~	A	A	C	A	A ¹
Cyclohexane	A	A	B	A	A ²	~	A	A	A	~	A	A	A	B	NR
Cyclohexanol	~	A	~	~	~	~	A	A	A	~	~	~	~	~	~
Cyclohexanone	A ²	A	A ¹	~	A ¹	~	A	A	A	~	A	NR	A	NR	B
Detergents	A ¹	A	B	A ²	A ²	A ¹	A	A	A	~	A	A	A	A	B
Diacetone Alcohol	A	~	A	A	A	~	~	~	A	~	A	NR	A	NR	A
Dibromoethane	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Dibutyl Phthalate	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Dichlorobenzene	B ¹	~	A ¹	~	A ¹	~	~	~	A	A	A ²	C	A	NR	NR
Dichloroethane	B	~	A	B ¹	A	~	~	~	A	A ¹	~	A	C	A ¹	NR
Dichloroethane (1,2-)	~	~	~	~	~	~	~	~	B	~	~	~	~	~	~
Diesel Fuel	A ¹	A	B	B	A	~	A	A	~	A	~	A	A	A	NR
Diesel Fuel Oil (20,30,40,50)	A	A	B	B	A	~	A	A	~	A	~	A	A	A	NR
Diesel Oil	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Diethyl Ether	B ²	A	B ¹	A ¹	A	~	A	A	A	~	A ²	NR	A	NR	NR
Diethylamine	A	~	A	A	A	~	~	~	A	NR	~	A	A	NR	C
Diethylene Glycol	A	~	B ¹	A ¹	A	~	~	~	A ²	~	A ²	A ²	A ²	A ²	B ¹
Diisobutylene	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Dimethyl Aniline	B ²	A	B ²	A ²	~	~	A	A	~	A	A ²	NR	A	NR	B ²
Dimethyl Formamide	B	A	A	~	~	~	A	A	A	NR	A	~	C	NR	NR
Dimethyl Phthalate	~	A	~	~	~	~	A	A	A	~	~	~	~	~	~
Dimethyl Sulfoxide (DMSO)	~	A	~	~	~	~	A	A	B	~	~	~	~	~	~
p-Dioxane	~	A	~	~	~	~	A	A	A	~	~	~	~	~	~
Diphenyl	B	~	B	B	A	~	~	~	A	~	A ²	A	NR	NR	B
Diphenyl Ether	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Diphenyl Oxide	A	A	B ¹	A ¹	A	~	A	A	~	A ¹	~	A	A ¹	A	NR
Diphenylsulfone (DPS)	~	~	~	~	~	~	~	~	B	~	~	~	~	~	~
Dowtherm A	~	A	~	~	~	~	A	A	C	~	~	~	~	~	~
Dowtherm G	~	A	~	~	~	~	A	A	B	~	~	~	~	~	~
Dowtherm HT	~	A	~	~	~	~	A	A	B	~	~	~	~	~	~
Dowtherm LF	~	A	~	~	~	~	A	A	B	~	~	~	~	~	~
Dyes, water based	A	~	~	~	C	~	~	~	~	~	A	~	NR	~	C
Edible Fats/Oils	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~
Epcchlorohydrin (dry)	~	A	~	~	~	~	A	A	~	~	~	~	~	~	~

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CHEMICAL																
Epsoms Salts (Magnesium Sulfate)		B	A	B	A ¹	C	A ¹	A	A	~	A	~	A	A	A	A
Ethane		A ¹	~	~	~	A	~	~	~	A	A	~	A	A	NR	NR
Ethanol		A	~	A	A	A	~	~	~	A	A	A	A	A	C	A
Ethanolamine		A	A	B	B	A	A	A	A	~	A	~	A	NR	A	B
Ether		A	A	B ¹	A ¹	A	~	A	A	A	A	~	A	C	A	NR
Ethyl Acetate		B	A	A	A ¹	A	~	A	A	A	A	A	NR	A	NR	B
Ethyl Alcohol		A	~	A	A	A	C ¹	~	~	A	~	A	A	A	C	A
Ethyl Benzoate		A	~	~	~	~	~	~	~	A	~	~	A ¹	A	NR	NR
Ethyl Chloride		A	A	B ¹	A	A	~	A	A	~	A	~	A	A	A	C
Ethyl Ether		B	A	B ¹	A ¹	A	~	A	A	~	A	~	A ²	NR	A	NR
Ethyl Sulfate		NR	~	A	~	A	~	~	~	A	~	A	A	A	A	~A ¹
Ethylene Bromide		A	~	B	B	A ¹	~	~	~	A	~	A	A	NR	C	C
Ethylene Chloride		B	A	A	B ¹	A	~	A	A	~	A	~	A	B	A	NR
Ethylene Chlorhydrin		B	A	B	B	~	~	A	A	~	A	~	A	A	NR	B
Ethylene Diamine		B	A	C	A	~	~	A	A	~	A	A ¹	~	B	A	A
Ethylene Dichloride		B	A	B	B	C	~	A	A	A	A	~	A	A	NR	C
Ethylene Gylcol		B	A	B ¹	A ¹	A	A ¹	A	A	A	A	~	A	A	A	A
Ethylene Nitrate		~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Ethylene Oxide		B	NR	A	~	A	~	NR	NR	A	A	~	A	NR	A	NR
Ethylene Sulfate		~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Fatty Acids		A	A ¹	A	B	C	A ¹	A ¹	A ¹	A	A	~	A	A	B	NR
FC-77 (Cyclic Fluorinated Ethen)		~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Ferric Chloride		NR	A	B ²	A	NR	~	A	A	B	A	~	A	A	A	B
Ferric Nitrate		B	A	B ¹	A	NR	~	A	A	A	A	~	A	A	A	C
Ferric Oxide		~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Ferric Sulfate		~	~	~	~	~	B	~	~	A	~	~	~	~	~	A
Ferrous Chloride		NR	A	B ¹	A	C	~	A	A	A	A	~	A	A	A	B
Ferrous Nitrate		~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Ferrous Sulfate		B	A	B	A ¹	NR	~	A	A	A	A	~	A	B	A ²	A
Flo-Cool 180 (Silicate Ester)		~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Flue Gases		~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Fluoboric Acid		B	A	A ¹	NR	NR	~	A	A	~	A	~	A	B	A	A ²
Fluorine		A	NR	B ¹	NR	NR	~	NR	NR	C	B	~	C	C	NR	A
Fluorisilic Acid, 25%		~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Fluosilicic Acid		B	A	B	NR	NR	~	A	A	~	A	~	B ¹	A	A	A ²
Formaldehyde 37%		~	A	~	A	~	A	A	A	A	~	~	~	~	~	~
Formaldehyde 40%		A	A	B	B	A	A	A	A	A	A	~	A	A	B	A
Formaldehyde 100%		A	B	A	A	A	A	B	B	A	A	~	NR	A	C	B
Formalin		A	A	A	B	A	~	A	A	A	A	~	NR	A	NR	A
Formic Acid		A ¹	A	A	C ¹	C	~	A	A	A	B ¹	A	C	A	C	A
Freon 11		A	A	A	B	A	A	A	A	A	A	~	B	A	B	NR
Freon 12		B	A	A	B	A	A	A	A	A	A	~	B	A	A	B
Freon 22		A	A	A	B	A	A	A	A	A	A	~	NR	A	NR	A
Freon 113		A	A	A	C	A	A	A	A	A	A	~	B	A	A	NR
Freon 114		~	~	~	~	A	~	~	A	~	~	~	~	~	~	~
Freon 134A		~	~	~	~	A	~	~	A	~	~	~	~	~	~	~
Freon 502		~	~	~	~	A	~	~	A	~	~	~	~	~	~	~
Freon TF		A	NR	A	B	A	A	NR	NR	~	A	~	B	A	A	NR
Fruit Juice		A	~	A	A	C	A ¹	~	~	A	A	~	A	A	A	A ¹
Fuel Oil (1,2,3,5A,5B,6)		A	A	A ¹	B	A	~	A	A	~	A	~	A	B	A	NR
Fuel Oils		A	A	A ¹	A	A	~	A	A	A	B	~	A	A	B	NR
Fuel: JP		~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Fuel: Jet (JP3,JP4,JP5)		A	A	A	A	A	~	A	A	~	A	~	A	A	A	NR
Furan		~	A	~	~	~	~	A	A	~	~	~	~	~	~	~
Furan Resin		A	A	B	~	A	~	A	A	~	A	~	NR	A	NR	C
Furfural		B	A	B	A	A	~	A	A	~	A	~	NR	A	NR	NR
Gallic Acid		B	A	B ¹	B	A	~	A	A	~	B	~	B	A	B	B
Gas (natural)		~	~	~	~	~	~	~	~	A	~	~	~	~	~	~
Gasoline (high-aromatic)		A	A	A	B	A	~	A	A	A	B	~	A	B	A	NR
Gasoline, leaded, ref.		A ²	A	A	A	A	~	A	A	A	A	~	A ²	A	A ²	NR

NOMENCLATURE		Body				Gears and Bearings						O-Rings													
A = Satisfactory	B = Slight Attack					316 SS	PPS	Hastelloy-C	Titanium	Alloy 20	Waukesha 88	PPS	SSM	PEEK	PTFE (Teflon)	LCP	Carbon	Viton	PTFE (Teflon)	Buna-N	EPDM	Neoprene	Silicone Rubber	Kal-Rez	Ceramic Magnet
Gasoline, unleaded	A ²	A	A	A	A	~	A	A	A	A	A	A ²	A ¹	A	A	A	A	A	A	NR	B	NR	A ²	~	
Gelatin	A ²	~	A	A	A	A ¹	~	~	A	A	~	A	A	A	A	A	A	A	A	A	~	A	~	A	
Genklen ^R (1,1,1, Trichloroethane)	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Ginger Oil	NR	~	~	~	NR	~	~	~	A	~	~	A	A	A	A	A	A	A	A	A	A	~	~	~	
Glucose	A	B	A	A	A	A ¹	B	B	~	A	~	A	A	A	A	A	A	A	A	A	A	~	A		
Glue, P.V.A.	A ²	~	A	A	A	A ¹	~	~	A	~	A	B	A	A	A	A	A	A	A	~	A	~	A		
Glycerin	A	A	A	A	A	A ¹	A	A	~	A	~	A	A	A	A	A	A	A	A	A	A	~	A		
Glycerol	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Glycolic Acid	A	A	A	A	A	~	~	A	A	A	~	A	A	A	A	A	A	A	A	A	B ¹	~			
Gold Monocyanide	A	~	~	~	A	~	~	~	NR	~	~	A	NR	A	~	A	~	~	A	~	~	A	~	~	
Grape Juice	A	~	~	A	C	~	~	~	A	~	~	A	A	A	A	A	A	A	NR	A	~	A	~		
Grease	A	~	A	~	A	~	~	~	A	~	~	A	~	~	A	A	A	NR	NR	NR	~	~			
Heptane	A	A	A	A	A	~	A	A	A	A	~	A	A	A	A	A	A	A	A	NR	B	NR	A	~	
Hexane	A	A	A	A	A	~	A	A	A	A	~	A	A	A	A	A	A	A	A	NR	B	NR	A	A	
Honey	A	~	A	~	A	~	~	~	A	~	~	A	~	~	A	A	A	A	~	A	~	A	~	~	
Hydraulic Fluid	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Hydraulic Oil (Petro)	A	NR	A	~	A	~	NR	NR	~	A	~	B	A	A	A	NR	A	B	~	~					
Hydraulic Oil (Synthetic)	A	~	A	~	A	~	~	~	A	~	B	A	A	NR	A	A	B	~	~						
Hydrazine	A	~	~	~	NR	A ¹	~	~	A	C	~	A	C	B	A	B	B	~	~						
Hydrobromic Acid	NR	A ¹	C	A	NR	~	A ¹	A ¹	C	A	~	A	A	A	NR	A	NR	NR	A	~					
Hydrobromic Acid 20%	NR	A	A	A	C	~	A	A	C	A	~	A	A	A	NR	A	NR	NR	A	~					
Hydrocarbons	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Hydrochloric Acid 20%	NR	NR	A ¹	NR	NR	~	NR	NR	A	A	~	A	A	A	B ¹	A	C	NR	~	~					
Hydrochloric Acid 37%	NR	NR	B	NR	NR	~	NR	NR	~	A	B	A	A	B	C	B	B	A	A	~					
Hydrochloric Acid 100%	NR	NR	A	NR	NR	~	NR	NR	A	A	~	A	A	NR	NR	NR	NR	A	A	~					
Hydrochloric Acid,Dry Gas	NR	A	A	C	NR	~	A	A	~	A	~	A	~	A	~	A	~	~	A	~	~	~	A	A	
Hydrocyanic Acid	A	B	A	B	NR	~	B	B	A	A	~	A	A	A	B	B	B	C	~	~					
Hydrocyanic Acid gas 10%	~	~	~	A	NR	~	~	~	A	~	~	A	~	A	A	B	A	A	NR	~	~				
Hydrofluoric Acid 20%	NR	A	B	NR	NR	~	A	A	C	A	~	A	A	A	NR	NR	B	NR	B ¹	B	~				
Hydrofluoric Acid 50%	NR	A	B	NR	NR	~	A	A	C	A	~	A	B	A	NR	NR	NR	NR	B ¹	B	~				
Hydrofluoric Acid 75%	NR	B	B	NR	NR	~	B	B	C	A	~	A	B	A	NR	C	NR	NR	B ¹	B	~				
Hydrofluoric Acid 100%	B ¹	NR	B	NR	NR	~	NR	NR	C	A	~	B	A	NR	NR	NR	A	B	~						
Hydrofluosilicic Acid	NR	A ¹	B	NR	NR	~	A ¹	A ¹	~	A	~	A	A	B	A	B	NR	B ¹	~						
Hydrofluosilicic Acid 20%	B ¹	A	B	NR	NR	~	A	A	~	A	~	A	A	A	A	A	B	NR	A	~					
Hydrogen Gas	A	A	A	A	A	~	A	A	~	A	~	A	A	A	A	A	A	A	C	B ¹	~				
Hydrogen Peroxide 10%	B	A	A	A	C	A ¹	A	A	A	A	~	C	A	A	NR	A	NR	A	A	~					
Hydrogen Peroxide 30%	B	A ¹	A	B ¹	B	~	A ¹	A ¹	A	A	~	C	A	A	NR	B	NR	B	B ¹	A	~				
Hydrogen Peroxide 50%	A ²	NR	A	A	B	~	NR	NR	A	A	~	C	A	A	NR	B	NR	B	A	A	~				
Hydrogen Peroxide 100%	A ²	C	A	B	NR	A ¹	C	C	A	A	~	C	A	A	NR	NR	NR	B	B ¹	A	~				
Hydrogen Sulfide (aqua)	A	A	A	B	NR	~	A	A	~	A	~	A	NR	A	NR	B	A	C	A ¹	A	~				
Hydrogen Sulfide (dry)	A	A	A	A	NR	~	A	A	~	A	~	A	NR	A	NR	B	A	C	B ¹	~					
Hydrogen Sulfide (gas)	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Hydroquinone	B	~	B	B	A	~	~	~	A	~	~	A	B	A	NR	NR	A	~	~	A	~	~	A	~	
Hydroxides	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Hydroxyacetic Acid 70%	~	~	~	A	NR	~	~	~	A	~	~	A	~	A	A	A	A	A	A	~	~	~	~	~	
Ink	C	~	A ¹	A ¹	NR	A ¹	~	~	A	~	~	A	~	A	A	A	A ¹	A	~	~	A	~	~	A	
Iodine	NR	NR	A	A	NR	~	NR	NR	B	A	~	NR	A	A	B	B	NR	~	A	~	~	~	~	~	
Iodine (in alcohol)	~	~	B	B	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	A	~	~	~	
Iodoform	A	~	NR	B	A	~	~	~	C	~	~	C	NR	A	A	~	~	~	~	~					
Isooctane	A ¹	A	A ¹	~	A ¹	~	A	A	A	A	~	A ²	A ¹	A	A ²	NR	B ¹	NR	A ¹	~					
Isopropyl Acetate	A	~	B	~	B	~	~	~	A	~	~	A	NR	A	NR	B	NR	NR	A	~					
Isopropanol	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Isopropyl Ether	A	~	A	A	A	~	A	A	~	A ¹	~	A	NR	A ¹	B	NR	NR	~	~	~	~	~	~	~	
Isotane	~	~	~	~	~	~	~	~	A	~	~	A	~	A	~	A	~	A	~	~	NR	~	~	~	
Kerosene	A	A	B	A	A	A	A	A	A	A	~	A	A	A	A	A	A	A	A	NR	A	NR	A	B	
Ketones	A	A	A	A	A	A ¹	A	A	A	A	~	A	NR	A	NR	A	NR	NR	B ¹	~					
Lacquers	A	~	A	~	A	~	~	~	A	~	~	A	NR	A	NR	NR	NR	NR	~	~					
Lacquer Thinners	A	A	A	C	A	A ¹	A	A	~	A	~	A	NR	A	NR	NR	NR	NR	~	~					
Lactic Acid	B ¹	A	B ¹	A	C	~	A	A	A	A	~	A	A	A	A	A	A	A	A	A	A	A	A ¹	~	
Lactic Acid 10%	~	~	~	~	~	A ¹	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	

NOMENCLATURE		Body				Gears and Bearings				O-Rings							
A = Satisfactory	B = Slight Attack									Viton	PTFE (Teflon)	Ebon-N	EPDM	Neoprene	Silicone Rubber	Kal-Rez	Ceramic Magnet
NR = Not Recommended	~ = Not Tested																
Notes: ¹ Satisfactory to 72°F (22°C)																	
² Satisfactory to 120°F(48°C)																	
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Lard	A	~	A	A	A	A ¹	~	~	A	~	A	A	A	A	NR	B	~
Latex	A ²	~	A	~	A	A ¹	~	~	A	~	A	A	A	A	~	A	~
Lead Acetate	B ¹	A	B ¹	A ¹	A	~	A	A	A	~	A	NR	A	B	A	A	A
Lead Nitrate	B ¹	A	B ²	~	B	~	A	A	~	A ¹	~	A ¹	A ²	A ²	A ¹	B ¹	~
Lead Sulfamate	C	~	~	~	A	~	~	~	B	~	A	B	B	A	A	B	~
Lemon Oil	A	~	~	~	A	~	~	~	A	~	A	A	~	NR	NR	~	~
Ligroin	A	~	A	A	A	A ¹	~	~	A	~	A	A	A	NR	B	NR	~
Lime	A	~	A	A	A	~	~	~	A	A ¹	~	A	A	A ¹	A	NR	A
Linoelic Acid	A	~	A	A	A	A	~	~	A	~	A ²	B ¹	A	B ¹	NR	~	B ¹
Linseed Oil	A	B	B	A	A	A ¹	B	B	A	A	~	A	A	A	NR	NR	A
Lithium Chloride	A ²	~	B	A	A	~	~	~	A	~	A ²	A ¹	A	A ²	A ¹	A ¹	~
Lithium Hydroxide	B	~	B	~	NR	~	~	~	A	~	B	B	A	C	A	~	NR
Lubricants	A ²	A	A	A	A	~	A	A	~	A	~	A	A	A	NR	NR	~
Lubricating Oil	~	A	~	~	~	A ¹	A	A	A	~	~	~	~	~	~	~	~
Lye: Ca(OH) ₂ Calcium Hydroxide	B	A	A ¹	A	B	~	A	A	~	A	~	A	B ¹	A	A	A	A ²
Lye: KOH Potassium Hydroxide	A ¹	A	B ¹	NR	B	~	A	A	~	A	~	C	B	A	B ¹	A ²	B
Lye: NaOH Sodium Hydroxide	B ¹	A	C	B	NR	~	A	A	~	A	~	B ¹	A	A ¹	B ¹	B ²	A ¹
M-Creosol (crude)	~	A	~	~	~	A	A	~	~	~	~	~	~	~	~	~	~
Magnesium Bisulfate	A ¹	~	~	~	A ¹	~	~	~	A	~	A ¹	~	A	B	~	B	~
Magnesium Carbonate	B	~	B	A	A	~	~	~	A ¹	~	~	A	A ¹	A ²	A	A	~
Magnesium Chloride	NR	A ¹	A ²	A ²	C	~	A ¹	A ¹	A	A	~	A ²	A ²	A	A	A	A
Magnesium Hydroxide	A ¹	A	A	A	A	~	A	A	A	A	~	A	A	A	A	A	A
Magnesium Nitrate	B	A	A	A	NR	~	A	A	~	A	~	A	A	A	A	B ¹	~
Magnesium Oxide	A	~	A	A ¹	A	~	~	~	A	~	~	C	A	A	A ¹	A	~
Magnesium Sulfate (Epsom Salts)	B	A	B	A ¹	C	A ¹	A	A	A	~	A	A	A	A	A	A	A
Maleic Acid	B	B	B	A	A	A	B	B	A	A	~	A	A	NR	NR	NR	~
Maleic Anhydride	A	~	A	~	~	~	~	~	A	~	~	A	A	NR	NR	NR	~
Malic Acid	A ²	~	B	A	A	~	~	~	A	~	B	A	A	A	NR	B	~
Manganese Carbonate	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~
Manganese Chloride	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~
Manganese Chloride 50%	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~
Manganese Sulfate	B ²	A ²	A ²	A ²	C	~	A ²	A ²	~	A	~	A ²	A ²	A ²	A ²	A ¹	~
Mash	A	~	A	~	A	~	~	~	~	~	~	A	~	A	A	A	NR
Mayonnaise	A	~	A	~	NR	~	~	~	A	~	~	A	A	C	NR	A	~
Meat Juices	~	~	~	A	~	A ¹	~	~	~	~	~	~	~	~	~	~	~
Melamine	NR	~	~	~	NR	~	~	~	A	~	NR	A	A	C	A	NR	C
Mercuric Chloride (dilute)	NR	A	C	A ¹	NR	~	A	A	A	A	~	C	A	A	A ¹	A	A
Mercuric Cyanide	C	A	A	A	A	~	A	A	~	B	~	A ¹	B	A	A ¹	A	NR
Mercurous Chloride	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~
Mercurous Nitrate	A ¹	~	A ¹	A ¹	A ¹	~	~	~	A	~	C	A ¹	A	B ¹	A ¹	B ¹	~
Mercury	A	~	A ²	A	NR	~	~	~	A	A	~	C	A	A	A	A	A ¹
Methane	A	~	A	~	A	A ¹	~	~	A	A	~	B	A	A	A	NR	B
Methanol (Methyl Alcohol)	A	A	A	B	A	A ¹	A	A	A	A	A	C	A	A	A	A	A ¹
Methyl Acetate	B	~	A	~	A	~	~	~	A	~	A	NR	A	NR	B	B	NR
Methyl Acetone	A	~	~	~	B	~	~	~	A	~	A	NR	A	NR	A ¹	NR	~
Methyl Acrylate	A	~	~	~	A	~	~	~	A ¹	~	~	NR	A ¹	NR	B	B	NR
Methyl Alcohol 10%	A	A	A	B	A	~	A	A	~	A	~	A	C	A	A	A	A ²
Methyl Bromide	A	~	B	A ¹	A ¹	~	~	~	A	~	A	A	A	B ¹	NR	NR	~
Methyl Butyl Ketone	A	~	~	~	A	~	~	~	A ¹	~	~	NR	A ¹	NR	A ¹	NR	~
Methyl Cellosolve	B	~	~	~	A	~	~	~	A	~	A	NR	A	A ¹	B ²	B	NR
Methyl Chloride	A	B	B	A	C	~	B	B	~	A	~	A	A ¹	A	NR	NR	A ¹
Methyl Dichloride	~	~	~	~	~	~	~	~	A ¹	~	~	A ¹	A ¹	NR	NR	~	~
Methyl Ethyl Ketone	A	A	A	A	A	A ¹	A	A	A	A	~	NR	A	NR	A ²	NR	A ¹
Methyl Ethyl Ketone Peroxide	~	~	~	~	~	~	~	~	~	~	~	NR	~	NR	NR	B	~
Methyl Isobutyl Ketone	B	A	A	A	C	~	A	A	~	A	~	A	NR	A	NR	B ¹	NR
Methyl Isopropyl Ketone	A	A	~	~	A ¹	~	A	A	~	A	~	A	NR	A	NR	C ¹	NR
Methyl Methacrylate	B	~	~	~	~	~	~	~	A	~	~	NR	A	NR	NR	C	~
Methylamine	A	~	B	C	NR	~	~	~	A	~	A ²	NR	A	B	A ¹	~	A
Methylene Chloride	B	A	B	B	A	~	A	A	A	A	B	A	NR	C ¹	~	NR	A

NOMENCLATURE		Body				Gears and Bearings				O-Rings										
A = Satisfactory	B = Slight Attack																			
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Notes: ¹ Satisfactory to 72°F (22°C)																				
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Milk	A	~	A	A	C	A ¹	~	~	A	A	~	A	A	A	A ¹	A	A	A	A	A
Mineral Oil	A	A	A	A	A	A ¹	A	A	A	A	~	A	A	A	A	NR	B	C	A	A
Mineral Spirits	A	A	B	B	C	~	A	A	~	A	~	A	A	A	A	NR	C	NR	A	~
Molasses	A	A	A	A	NR	A ¹	A	A	A	A	~	A	A	A	A ¹	A	A	A	A	A
Monochloroacetic acid	A ¹	~	A ²	A ²	B	~	~	~	A ²	A	B ²	C	A ²	NR	C	A ¹	NR	B ²	~	
Monoethanolamine	A	A	B	B	B	A	A	A	~	A	~	A	NR	A	B ¹	B	NR	B	~	~
Morpholine	A ¹	C	A ¹	~	~	~	C	C	~	A ²	~	A ¹	~	A ²	NR	NR	NR	~	~	~
Motor Oil	A ²	A	A ¹	A ¹	A	~	A	A	A	A	A ²	A ¹	A	A	NR	B ¹	~	A ²	A	
Mustard	A	~	A	A	NR	~	~	~	A	~	A	NR	A	B	A	A	A ¹	~	~	~
N-Methyl-2-Pyrrolidone (NMP)	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Naphtha	A	A	B	B	B	A ¹	A	A	A	B	~	A	A	B	A	NR	NR	NR	A	~
Naphthalene	A	A	A	A	C	~	A	A	A	A	~	A	A	A	NR	NR	NR	NR	A	~
Natural Gas	A	~	A ¹	~	A ¹	~	~	~	A	~	~	A	A	A	NR	A	A	~	~	~
Nickel Acetate	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Nickel Chloride	C	A	B	A	NR	~	A	A	A	A	~	A	A	A ¹	A ¹	B	A	A	~	
Nickel Nitrate	B ²	A	B ²	A	B	~	A	A	A	A ²	~	A ²	A ²	A ¹	A ²	A ²	~	A ²	A	
Nickel Salts	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Nickel Sulfate	B ¹	A	B	B	C	~	A	A	A	A	~	A	A	A ¹	A ¹	A	A	~	~	
Nitrating Acid (< or = 1% Acid)	A	C	A	~	NR	~	C	C	~	A	~	~	~	A	~	~	A	~	~	~
Nitrating Acid (< or = 15% H ₂ SO ₄)	C	C	A	A	NR	~	C	C	~	A	~	~	~	A	~	~	A	~	~	~
Nitrating Acid (<15%HNO ₃)	NR	C	A	C	NR	~	C	C	~	A	~	~	~	A	~	~	A	~	~	~
Nitrating Acid (>15%H ₂ SO ₄)	C	NR	A	C	NR	~	NR	NR	~	A	~	~	~	A	NR	A ¹	A	~	~	
Nitric Acid 5-10%	A	NR	A ¹	A ¹	NR	~	NR	NR	A	A	~	A	A	NR	A ¹	B	C	A ¹	~	
Nitric Acid 20%	A	C	A ¹	A ¹	NR	~	C	C	~	A	~	A	A	NR	A ¹	NR	NR	A ¹	~	
Nitric Acid 35%	~	NR	~	A ¹	~	~	NR	NR	A	~	~	~	~	~	~	~	~	~	~	~
Nitric Acid 50%	A ¹	C	A ¹	A ¹	NR	~	C	C	C	A	A	NR	A	A	NR	NR	NR	A	C	
Nitric Acid 100%	A ¹	C	B ¹	A ¹	NR	A	C	C	C	A	~	NR	A	A	NR	NR	NR	A ¹	C	
Nitrobenzene	B	A ²	NR	A	C	~	A ²	A ²	A	A	A	B	B	A	NR	B ¹	NR	NR	A ¹	~
Nitrogen	~	A	~	~	~	~	A	A	A	~	~	~	~	~	~	~	~	~	~	~
Nitrogen Fertilizer	~	~	~	~	~	~	~	~	A	~	~	A	~	~	~	~	~	~	~	~
Nitromethane	A ¹	A ²	A	~	~	~	A ²	A ²	A	~	A ²	NR	A	NR	B ²	NR	NR	A	~	
Nitrous Acid	B	~	NR	A	A	~	~	~	A	~	~	B	A	~	A	NR	~	B ²	~	
Nitrous Acid, 10%	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Nitrous Oxide	B	~	B	~	B	~	~	~	A	A	~	C	B	A	~	A	A	~	~	
Oleic Acid	A	A	A ²	B	C	~	A	A	A	A	~	A	B	A	B	B	C	NR	B ²	~
Oleum 100%	A	A ¹	NR	NR	NR	~	A ¹	A ¹	C	A	~	NR	A	A	NR	NR	NR	A	~	
Oleum 25%	B	A ¹	A	NR	NR	~	A ¹	A ¹	C	A	~	NR	A	A	NR	NR	NR	A	~	
Olive Oil	A	~	A	A	A	A ¹	~	~	A	A ¹	~	A	A	A ¹	NR	NR	B	NR	~	
Orange Oil	A	~	A	A	A	~	~	~	A	~	~	A	~	A	~	C	NR	~	~	
Oxalic Acid	A	A	B	A	A	NR	A	A	A	A ¹	~	A	A	A ¹	NR	A	NR	B	~	
Oxalic Acid (10%)	A	~	A	A	A	A	~	~	A	~	~	A	~	A	~	B	NR	~	~	
Oxalic Acid (cold)	A	~	~	A	A	~	~	~	A	A	~	A	A	A	A	NR	~	NR	~	
Oxygen	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	
Ozone	A	~	~	~	~	~	~	~	A	A	~	A	A	NR	A	C	A	A	~	
Palm Oil	A	~	~	A	A	~	~	~	A	~	~	A	A	A	A	NR	~	~	~	
Palmetic Acid	A ¹	~	B	~	~	A ¹	~	~	A ²	~	A ²	A ¹	A ²	A ²	B ¹	NR	NR	~	~	
Paraffin	A	~	B	A	A	~	~	~	A	A	~	A	B	A	B	NR	B	~	~	
Peanut Oil	A	~	~	A	A	~	~	~	A	A	~	A	A	A	NR	B	A	~	~	
Pentane	C	~	A	~	C	~	~	~	A	A	~	A	A	A	A	NR	B	NR	~	
Peppermint Oil	A	~	~	~	A	~	~	~	A	~	~	A	~	A	NR	~	NR	~	~	
Perchloric Acid	C	~	B	NR	~	~	~	~	A	A	~	A	A	A	NR	B	A	NR	B	~
Perchloroethylene	A ¹	A	B	A	NR	~	A	A	A	A	~	A	A	A	C	NR	NR	A	~	
Petrol	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	
Petrolatum	A	~	A	~	A	~	~	~	C	~	A	A	C	A	A	A	A	A	NR	
Petroleum	A ¹	~	~	A ¹	~	A ¹	~	~	A ²	~	A ²	A ²	A ²	A ²	B ¹	NR	~	~	~	
Petroleum Ether	~	~	~	A	~	A ¹	~	~	A	~	~	~	~	~	~	~	~	~	~	
Petroleum Oil	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	
Phenol	~	A	~	A	~	A ¹	A	A	C	~	A	~	~	~	~	~	~	~	~	
Phenol 10%	B	A	B	B	C	~	A	A	A	A	~	A	A	A	NR	B	NR	B	~	
Phenol (Carbolic Acid)	B	A	A	A	C	~	A	A	~	A	~	A	A	A	NR	B	NR	B	~	

NOMENCLATURE		Body				Gears and Bearings					O-Rings											
A = Satisfactory	B = Slight Attack	C	A	A ²	C	NR	A ¹	A	A	A	A	~	A	A	A	NR	B	B	C	A	~	
NR = Not Recommended	~ = Not Tested																					
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CHEMICAL		316 SS				PPS				Hastelloy-C				Titanium				Alloy 20				
Phosphoric Acid < OR = 40%		C	A	A ²	C	NR	A ¹	A	A	A	A	~	A	A	A	NR	B	B	C	A	~	
Phosphoric Acid >40%		NR	B	A ²	C	NR	A ¹	B	B	A	A	~	B	A	A	NR	B	B	NR	A	C	
Phosphoric Acid (crude)		B	A	A ²	C	NR	~	A	A	~	A	~	A	A	A	NR	B	NR	NR	A	~	
Phosphoric Acid (molten)		C	~	C	NR	A	~	~	~	~	~	~	~	~	~	~	~	~	~	A	~	~
Phosphoric Acid Anhydride		~	NR	~	NR	A	~	NR	NR	~	~	~	~	~	~	~	NR	~	A	~	~	~
Phosphorus		A ²	~	A ²	~	~	~	~	~	~	~	A ²	~	NR	~	A ²	~	~	~	~	~	~
Phosphorus Chlorides		~	~	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~
Phosphorus Pentoxide		~	~	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~
Phosphorus Trichloride		A ²	A	A ²	A	~	~	A	A	~	A ²	~	A	A ¹	A ²	A	A ¹	NR	~	A ²	~	
Photographic Developer		A	~	B	A	NR	~	~	~	A	~	A	~	A	A	A	B	A	B	~	A	
Photographic Solutions		~	A ²	B ²	A ¹	~	~	A ²	A ²	~	A ²	~	A ²	B ¹	A ²	B	A ¹	B ¹	A	A ²	~	
Phthalic Acid		A	~	B ²	A	~	~	~	A	A ²	~	A ¹	A ¹	A ²	NR	A ¹	A	B ¹	~	~	~	
Phthalic Anhydride		A	~	A	~	B	~	~	~	A	~	A	~	A	A	A	NR	A	A	~	~	
Picric Acid		B	A	B	A	NR	~	A	A	A	A	~	A	A	A	C	B	A	NR	A	~	
Pine Oil		A	~	~	A	NR	~	~	~	A	~	~	A	A	NR	NR	NR	NR	~	~	~	
Plating:Antimony 130°F		A	~	A	A	A	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Arsenic 110°F		A	~	A	A	A	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Brass High Speed Brass Bath 110°F		A	~	A	A	A	~	~	~	A	~	A	A	A	A	~	A	~	~	~	~	
Plating:Brass Regular Brass Bath 100°F		A	~	A	A	A	~	~	~	A	~	A	A	A	A	~	A	~	~	~	~	
Plating:Bronze Cu-Cd Bath R.T.		A	~	A	A	A	~	~	~	A	~	~	A	A	A	A	A	A	~	~	~	
Plating:Bronze Cu-Sn Bath 160°F		A	~	A	NR	A	~	~	~	A	~	~	A	A	A	A	A	A	~	~	~	
Plating:Bronze Cu-Zn Bath 100°F		A	~	A	A	A	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Cadmium Cyanide Bath 90°F		A	~	A	A	A	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Cadmium Fluoborate Bath 100°F		A	~	NR	NR	A	~	~	~	A	~	~	A	A	B	~	C	~	~	~	~	
Plating:Chromium Barrel Chrome Bath 95°F		NR	~	NR	C	NR	~	~	~	A	~	~	C	A	NR	~	NR	~	~	~	~	
Plating:Chromium Black Chrome Bath 115°F		C	~	NR	A	C	~	~	~	A	~	~	C	A	C	~	NR	~	~	~	~	
Plating:Chromium Chromic-Sulfuric Bath 130°F		C	~	NR	A	C	~	~	~	A	~	~	C	A	NR	~	NR	~	~	~	~	
Plating:Chromium Fluoride Bath 130°F		NR	~	NR	C	NR	~	~	~	A	~	~	C	A	NR	~	NR	~	~	~	~	
Plating:Chromium Fluosilicate Bath 95°F		C	~	NR	C	C	~	~	~	A	~	~	C	A	NR	~	NR	~	~	~	~	
Plating:Copper (Electroless)		~	~	~	A	~	~	~	~	A	~	~	A	A	NR	~	NR	~	~	~	~	
Plating:Copper Acid Fluoborate Bath 120°F		NR	~	NR	NR	NR	~	~	~	A	~	~	A	A	B	~	C	~	~	~	~	
Plating:Copper Acid Sulfate Bath R.T.		NR	~	NR	A	NR	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Copper Cyanide High Spd. Bath 180°F		A	~	A	NR	~	~	~	~	A	~	~	A	A	A	~	B	~	~	~	~	
Plating:Copper Cyanide Roch.Salt Bath 150°F		A	~	A	NR	~	~	~	~	A	~	~	A	A	A	~	B	~	~	~	~	
Plating:Copper Cyanide Strike Bath 120°F		A	~	A	~	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Copper Pyrophosphate		A	~	A	A	A	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Gold Acid 75°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Gold Cyanide 150°F		A	~	A	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Gold Neutral 75°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Indium Sulfamate Plating R.T.		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Iron Ferrous Am Sulfate Bath 150°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	B	~	~	~	~	
Plating:Iron Ferrous Chloride Bath 190°F		NR	~	NR	A	~	~	~	~	A	~	~	A	A	B	~	NR	~	~	~	~	
Plating:Iron Ferrous Sulfate Bath 150°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	B	~	~	~	~	
Plating:Iron Fluoborate Bath 145°F		NR	~	B	NR	~	~	~	~	A	~	~	A	A	B	~	C	~	~	~	~	
Plating:Iron Sulfamate 140°F		NR	~	B	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Iron Sulfate-Chloride Bath 160°F		NR	~	NR	A	~	~	~	~	A	~	~	A	A	B	~	C	~	~	~	~	
Plating:Lead Fluoborate		C	~	A	NR	~	~	~	~	A	~	~	A	A	B	~	A	~	~	~	~	
Plating:Nickel Electroless 200°F		~	~	~	~	~	~	~	~	A	~	~	A	A	NR	~	NR	~	~	~	~	
Plating:Nickel Fluoborate 100-170°F		C	~	A	NR	~	~	~	~	A	~	~	A	A	B	~	A	~	~	~	~	
Plating:Nickel High Chloride 130-160°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	B	~	~	~	~	
Plating:Nickel Sulfamate 100-140°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Nickel Watts Type 115-160°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Rhodium 120°F		NR	~	NR	NR	~	~	~	~	A	~	~	A	A	A	A	B	~	~	~	~	
Plating:Silver 80-120°F		A	~	A	A	~	~	~	~	A	~	~	A	A	A	A	A	A	~	~	~	
Plating:Tin-Fluoborate Plating 100°F		C	~	A	NR	~	~	~	~	A	~	~	A	A	B	~	C	~	~	~	~	
Plating:Tin-Lead Plating 100°F		C	~	A	NR	~	~	~	~	A	~	~	A	A	B	~	C	~	~	~	~	
Plating:Zinc Acid Chloride 140°F		NR	~	NR	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	
Plating:Zinc Acid Fluoborate Bath R.T.		C	~	A	NR	~	~	~	~	A	~	~	A	A	B	~	C	~	~	~	~	
Plating:Zinc Acid Sulfate Bath 150°F		C	~	A	A	~	~	~	~	A	~	~	A	A	A	~	B	~	~	~	~	
Plating:Zinc Alkaline Cyanide Bath R.T.		A	~	A	A	~	~	~	~	A	~	~	A	A	A	~	A	~	~	~	~	

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CHEMICAL																				
Potash (Potassium Carbonate)	B	~	B	A	B	~	~	~	~	A	A	~	A	A ¹	A	~	~			
Potassium Aluminum Sulfate	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~			
Potassium Bicarbonate	B	A	B	A	B	~	A	A	A	~	A	A	A	A	A ¹	A	A			
Potassium Bichromate	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~			
Potassium Bromide	B	A	B	A	B	~	A	A	A	~	A	A	A	A ¹	A	A	A			
Potassium Carbonate	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~			
Potassium Chlorate	B	A	B	A	B	~	A	A	A	~	A ²	A	A	A ¹	A	B	A ²			
Potassium Chloride	A ¹	A	A	A	A	A ¹	A	A	A	~	A	A	A	A ¹	A	A	A			
Potassium Chromate	B ¹	~	A	~	B	~	~	~	~	A ¹	~	A	A	A ¹	A ²	A	~	~		
Potassium Cyanide Solutions	B ¹	A	B	A	B	~	A	A	~	A	~	A	A	A ¹	A ¹	B	A	A		
Potassium Dichromate	B ¹	A	B	A	B	~	A	A	A	~	A	A	A	A ¹	A ¹	A	A	A		
Potassium Ferricyanide	B ¹	~	B ²	A ²	B	~	~	~	A	A ²	~	A ²	A	A ²	NR	A	A ¹	~	A ¹	A
Potassium Ferrocyanide	B	~	B	A	B	~	~	~	A	A	~	A	A	NR	A	A	~	A	A	
Potassium Hydroxide	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	
Potassium Hydroxide (Caustic Potash)	A ¹	A	B ¹	NR	B	~	A	A	~	A	~	C	B	A	B ¹	A ²	B	C	B	A
Potassium Hydroxide 10%	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Potassium Hydroxide 50%	~	NR	~	~	~	~	NR	NR	~	~	~	~	~	~	~	~	~	~	~	~
Potassium Hydroxide 70%	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Potassium Hypochlorite	B	A	B ²	A	B	~	A	A	~	A ²	~	~	~	A ²	A ¹	A ¹	B ²	~	~	~
Potassium Iodide	A ¹	A ²	A ²	A	A	~	A ²	A ²	~	A ²	~	A ¹	A	A ²	A ¹	A	A	~	~	~
Potassium Nitrate	B	A	B ¹	A	B	A ¹	A	A	A	~	A	A	A	A ²	A	A	A	~	~	~
Potassium Oxalate	B ¹	~	A ¹	A	B	~	~	~	A ²	~	A ¹	~	A ²	~	~	~	~	~	~	~
Potassium Permanganate	B	C	A ¹	A	B	~	C	C	A	A	~	B ¹	A	A	C	A	A	~	~	
Potassium Sulfate	A	A	B ¹	A	A	~	A	A	A	~	A	A ²	A	A ²	A ¹	A	A	A ¹	A	
Potassium Sulfide	B	A	~	A	A	~	A	A	A	~	A	A	A	A	A	A	A	A	~	
Propane (liquified)	A	A	A	~	A	A ¹	A	A	A	~	A	A	A	NR	C	NR	A	~	~	
Propanol	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~
Propyl Alcohol	~	~	~	A	~	A ¹	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Propylene	A ¹	~	~	~	A	~	~	~	A ²	~	A ²	A ¹	A ²	NR	NR	NR	NR	~	~	~
Propylene Chlorohydrin	~	B	~	~	~	~	B	B	~	~	~	~	~	~	~	~	~	~	~	~
Propylene Glycol	B	~	B	A	A	~	~	~	A	~	A	~	A	A	A	C	A	~	A	
Pyridine	A	A	B	B	A	~	A	A	A	~	A	NR	A	NR	B	NR	NR	A ¹	~	
Pyrogallic Acid	B	~	B	A	B	~	~	~	A	~	A	A	A	~	B	A	~	A	~	~
Rapeseed Oil	A	~	~	A	A	~	~	~	A	~	A	~	A	NR	A	B	NR	~	~	
Resorcinol	~	~	~	~	~	~	~	~	A ²	~	A ²	A ¹	A ²	~	B ¹	NR	~	~	~	~
Rosins	A ¹	~	~	~	B	A ¹	~	~	A	~	A	A	A	A ²	~	A	A	A	~	
Rosin Oil	A ¹	~	A	~	A	~	~	~	A	~	A	A	A	A	A	~	~	~	~	
Rum	A	~	~	~	~	~	~	~	~	~	~	A	~	A	A	A	A	~	~	
Rust Inhibitors	A	~	~	~	B	~	~	~	~	~	~	A	~	A	~	C	~	~	~	
Salad Dressings	A	~	~	~	B	~	~	~	~	~	~	A	~	A	~	~	~	~	~	
Salicylic Acid	B ²	~	A ²	A ¹	B	~	~	~	A ²	~	A ²	A ¹	A ²	B	A	~	A ¹	~	~	
Salt	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Salt Brine (NaCl saturated)	A ²	A	A ²	A ²	B	~	A	A	~	A ²	~	A ²	A ²	A	A	A ²	A ¹	~	~	~
Sea Water	C	A	A	A	A	A	A	A	A	A	~	A	A	A	A ²	A ²	B ²	A ¹	A	
Sesame Seed Oil	A	~	~	A	A	~	~	~	A	~	A	~	A	A	A	~	NR	~	~	
Sewage	~	~	~	~	A ¹	~	~	A	~	~	~	~	~	~	~	~	~	~	~	
Sheilac (Bleached)	A	~	~	~	A	~	~	~	A	~	A	A	A	A ²	A ²	B ²	~	~	~	
Sheilac (Orange)	A	~	~	~	A	~	~	~	A	~	A	A	A	A	A	NR	~	~	~	
Silicic Acid	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	
Silicone	A	A ¹	~	~	A	~	A ¹	A ¹	~	A	~	A	A	A	A	A	C	~	~	
Silicone Fluids	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	~	~	~	
Silicone Oil	A	A ¹	A	~	A	~	A ¹	A ¹	~	A	A	A	A	A	A	A	NR	C	~	
Silver Bromide	NR	~	A	~	A	~	~	~	A	~	~	A	~	~	~	~	~	A	~	
Silver Chloride	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
Silver Cyanide	A	~	~	A	A	~	~	~	A	~	A	A	A	A ²	A ²	B ²	~	~		
Silver Nitrate	B	A	A	A	C	~	A	A	A	~	A	A	A	B	A	A	A	A	~	
Skydrol Hydraulic Fluid	~	~	~	~	~	~	~	~	A	~	A	~	~	~	~	~	~	~	~	
Soap Solutions	A ¹	A	A	A	A	A ¹	A	A	A	~	A	A	A	A	A	B	A	~	~	
Soda Ash (see Sodium Carbonate)	A	A	~	~	A	~	A	A	~	A	~	A	A	A ¹	A ²	A ¹	A	~	~	
Sodium Acetate	B ¹	A	A	A	A	A	NR	A	A	A	~	A	NR	A	B	A	B	NR	A	

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		Rev B July 2001													
CHEMICAL															
Sodium Aluminate	A A	B A	A B	~	A A	~	A	~	A	A A	A A	A A	A A	~	~
Sodium Benzoate	~ ~	A ¹ A ¹	~	~ ~	~ ~	~	A ²	~	A ²	A ¹ A ²	B A	A ¹	~	~	~
Sodium Bicarbonate	A ¹ A	B ¹ A ¹	A	~	A A	A A	A	~	A	A A	A ¹ A ²	A A	A A	~	~
Sodium Bichromate	~ ~	~ A	~	~	~ ~	~ ~	~	~	~	~ ~	~ ~	~ ~	~ ~	~	~
Sodium Bisulfate	C A	B ² A	C	~	A A	~	A	~	A	A A	B ² A ²	A A	A A	A ²	~
Sodium Bisulfite	B ¹ A	B A	B	~	A A	~	A	~	A	A A	A ² A ²	A A	A A	~	~
Sodium Borate (Borax)	B A	A B	A A ¹	A	A A	~	A	~	A	A A	A A ¹	A A	A A	~	A
Sodium Bromide	C ~	~ A ¹	B	~	~ ~	~ ~	A ²	~	A ²	A ¹ A ²	~	A A ¹	~ A ¹	~ A ¹	~
Sodium Carbonate	A A	A A ¹	B A ¹	A	A A	A A	A	~	A	A A	A A ²	A A	A A	A A	A A
Sodium Chlorate	B A	B ¹ A	B	~	A A	A A	A	~	C	A A	B A	A C	~	~	~
Sodium Chloride	B A	A A	B	~	A A	A A	A	~	A	A A	A A	A A	A A	A A	A A
Sodium Chromate	B A	A	~ B	~	A A	~	A	~	A	A A	A A	~ A	~ A	~ A	~
Sodium Cyanide	B ¹ A	A A	A A	A ¹	A A	A	~	A	~	A A	A A ²	A ¹ A	A A	A A	A A
Sodium Ferrocyanide	B ~	A	~	~	~	~	~	A	~	A A	A A	A A	A A	~	~
Sodium Fluoride	NR ~	A A	C	~	~ ~	~	A ¹	~	A	A A	A ¹ A ¹	A A	A A	~	~
Sodium Hydrosulfite	A ~	A	~ C	~	~ ~	~	A	~	A	A A	C B	B C	~	~	~
Sodium Hydroxide 20%	B ² B	B B	A ¹ A ²	A ¹	B B	A A	C	A ²	B ¹	A A	B B	B ² A ²	A A	~	~
Sodium Hydroxide 50%	B ¹ B	B B	B B ²	~	B B	A A	A	~	B ¹	A A ¹	B ¹	B ² A ¹	B B	~	~
Sodium Hydroxide 80%	B ¹ B	B A ¹	NR NR	~	B B	~ A ¹	~	A ²	B ¹	A ¹ NR	B ¹	B ¹ A ¹	A C	~	~
Sodium Hypochlorite 100%	NR A	B C	NR	~	A A	A A	A	~	C A ¹	A NR	B ¹	C B	A A	A A	A A
Sodium Hypochlorite (<20%)	C A	A C	NR	~	A A	A A	A	~	B A ¹	A B	B C	B A	A A	A A	A A
Sodium Hyposulfite	A ~	~	~ NR	~	~ ~	~	A	~	~	A	~	C	~	~	~
Sodium Metaphosphate	A ~	~	~ A	~	~ ~	~	A	~	A A	A A	A B	A A	~	~	~
Sodium Metasilicate	A ~	A	~ B	~	~ ~	~	A	~	~	A A	A A ¹ A	A ~	~	~	~
Sodium Nitrate	B ¹ A	B A	C A ¹	A	A A	A A	A	~	C A	A A ¹	A B	NR A	A A	A A	A A
Sodium Perborate	B ~	B	~ NR	~	~ ~	~	A	~	C A	A A B	A B	B A	A ~	~	~
Sodium Peroxide	A ~	B	~ NR	NR	~ ~	~ A	A	~	A A	A A B A	B ¹	NR A	A ~	~	~
Sodium Phosphate	~ ~	~ A	~ NR	~	~ ~	~	A	~	~	~	~	~	~	~	~
Sodium Polyphosphate	B ~	A A	C	~	~ ~	~	A	~	A A	A A A A	B NR	A ~	~	~	~
Sodium Salts	~ ~	~	~ ~	~	~ ~	~	A	~	~	~	~	~	~	~	~
Sodium Silicate	A A	B A A	A A ¹	A A	A A	A A	A	~	A A	A A A A	A A	A A	A A	A A	A A
Sodium Sulfate	B ¹ A	B A	C A ¹	A A	A A	A A	A	~	A A	A A A A	A A	A A	A A	A A	A A
Sodium Sulfide	NR A	B ¹ A	NR	~	A A	A A	A	~	A ²	A A A ²	A A A	A A ¹	~	~	~
Sodium Sulfite	A ~	B A C	~	~	~ A A	~	A	~	A ²	A A A A	A A A	A A A	A A	~	~
Sodium Tetraborate	A ~	~	~ ~	~	A	~	~	A	~	A A	A A B	A A	~	~	~
Sodium Thiosulfate	~ A	~	~ ~	~	~ A A	~	~	~	~	~	~	~	~	~	A ~
Sodium Thiosulfate (hypo)	B A	A ² A	NR	~	A A	~	A	~	A A	A B A ²	A ² A	~	~	~	~
Sorghum	A ~	~	~ NR	~	~ ~	~	A	~	~	A ~	A ~ A	A ~	A ~	~	~
Soy Sauce	A ~	~	~ A	~	~ ~	~	A	~	~	A ~	A ~ A	A ~	A ~	~	~
Soybean Oil	A ~	A A	A A	~	~ ~	~	A	~	A A	A A C	C A	~	~	~	~
Sperm Oil (whale)	A ~	~ A	A A	~	~ ~	~	A	~	A A	A A ~	NR	~	~	~	~
Stannic Chloride	NR A	B A	NR	~	A A	A A	A	~	A A	A A A A	C ¹ B	A ~	~	~	~
Stannic Chloride 5%	~ ~	~ ~	~ NR	~	~ ~	~	A	~	~	~	~	~	~	~	~
Stannic Fluoborate	A ~	~	~ NR	~	~ ~	~	A	~	~	A ~	A ~ A	A ~	A ~	~	~
Stannous Chloride	A ² A ¹	B A	NR	~	A ¹ A ¹	A A	A	~	A A	A A C A ¹	B A	~	~	~	~
Starch	A ~	~	~ A	A ¹	~ ~	~ A A	~	A A	~	A A A A A A	A A	~	A A	~	A A
Steam - 300°F	~ A	~	~ ~	~ A	A A A A	A ~ B	~	~	~	~	~	~	~	~	~
Stearic Acid	A ~	B A C	A	~	~ A	~ A	A A ¹	A B B	B ¹ B	~	~	~	~	~	~
Stoddard Solvent	A A	A A A	A A A	A A A	A A A	A A A	A A	~	A A A A	A A A NR	C ¹ NR	A ~	~	~	~
Styrene	A ~	NR	~ A	A ¹	~ ~	~ A A	~ A	B A	A NR	NR NR	NR NR	~	~	~	~
Sugar (Liquids)	A ~	A	~ A	A A	~ ~	~ A	~ A	A A	A A A A A A	A A A A A A	A A A A A A	~	~	~	~
Sulfate (Liquors)	B ~	B	~ NR	~	~ ~	~ A	~ A	A A ¹	A A A ²	A B B	B B	~	~	~	~
Sulfenol	~ A	~	~ ~	~ A	A A A	~ ~	~	~	~	~	~	~	~	~	~
Sulfites	~ ~	~	~ ~	~ ~	~	~	~	~	~	~	~	~	~	~	~
Sulfolane	~ A	~	~ ~	~ A	A A A	~ ~	~	~	~	~	~	~	~	~	~
Sulfur	~ ~	~	~ ~	~ A	A	~ ~	A	~	~	~	~	~	~	~	~
Sulfur Chloride	NR ~	A NR	NR	NR	~ ~	~ A A	~ NR	A A	A NR	NR NR	NR C	A ~	~	~	~
Sulfur Dichloride	~ ~	~	~ ~	~ ~	~ A	~ ~	A	~	~	~	~	~	~	~	~
Sulfur Dioxide	A ¹ A	C A B	A ¹	A A	A A	A A	A A	~	A A	A A NR	A ² B B	A ~	~	~	~
Sulfur Dioxide (dry)	A ¹ A	B A A	A ¹	A A	A A	A A	A A	~	A A	A A NR	A ² NR B	A ~	~	~	~

NOMENCLATURE		Body			Gears and Bearings				O-Rings							
A = Satisfactory	B = Slight Attack															
NR = Not Recommended	~ = Not Tested															
Notes: ¹ Satisfactory to 72°F (22°C)																
² Satisfactory to 120°F(48°C)																
	Rev B July 2001															
CHEMICAL		316 SS	PPS	Hastelloy-C	Titanium	Alloy 20	Waukesha 88	PPS	SSM	PEEK	PTFE (Teflon)	LCP	Carbon	Viton	PTFE (Teflon)	
Sulfur Hexafluoride	~	~	~	~	~	~	~	~	A	~	~	~	~	~	B	
Sulfur Trioxide	C	~	~	~	A	~	~	~	A	A	~	B	A	A	NR	
Sulfur Trioxide (dry)	A	~	B	NR	B	~	~	~	A	~	NR	A	A	NR	C ¹	
Sulfuric Acid <10%	B	A	B ¹	NR	NR	A	A	A	~	A	~	A ¹	A	A	A ¹	
Sulfuric Acid 10-75%	NR	A	B ¹	NR	NR	A	A	A	B	A	A ¹	A ²	A	B ¹	B ²	
Sulfuric Acid 75-100%	NR	A ¹	B ¹	NR	NR	~	A ¹	A ¹	C	A	C	C ¹	A	C	B ¹	
Sulfuric Acid (cold concentrated)	B	A ¹	A ¹	NR	NR	~	A ¹	A ¹	~	A	~	NR	B	A	NR	
Sulfuric Acid (hot concentrated)	C	NR	NR	NR	NR	~	NR	NR	~	A	~	NR	A ²	A	NR	NR
Sulfurous Acid	B	A	B	A	NR	~	A	A	A	A	~	A	A	A	B ¹	
Sulfuryl Chloride	~	~	~	~	~	~	~	~	~	A	~	~	A	~	~	
Sulphurous Spray	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	
Tallow	A	~	~	~	~	A ¹	~	~	A	A	~	A	A	A	B	
Tannic Acid	A	A	B ¹	A	A	A ¹	A	A	~	A	~	A	A	A	A	
Tannic Acid 10%	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	
Tanning Liquors	A ²	~	B	A	A	~	~	~	A	~	A	A	B ¹	B	A	
Tanning Oil	A	~	~	~	A	~	~	~	~	~	~	A	~	A	~	
Tar	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	
Tartaric Acid	C ²	A	B	A ¹	A	A	A	A	A	A	~	A	A	A	B	
Tetrachloroethane	A ²	~	A	A	~	~	~	~	A	~	A	A	NR	NR	NR	
Tetrachloroethylene	A ²	~	~	~	~	~	~	~	A	~	A	A	NR	NR	NR	
Tetraethyl Lead	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	
Tetrahydrofuran	A	A	A	B	NR	A	A	A	A	A	A	NR	A	NR	NR	
Tin Salts	NR	~	C	A	~	~	~	~	A	~	~	A	A	A	B	
Titanium Tetrachloride	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	
Tolene (Toluol)	A	A	A	A	A	A	A	A	A	A	A	C	A	NR	NR	
Tomato Juice	A	A	~	~	C	A	A	A	~	A	~	A	A	A	A	
Transformer Oil	A	~	~	~	A	~	~	~	A	A	~	A	A	A	NR	
Trichloroacetic Acid	C	A	B	NR	~	NR	A	A	~	A	~	A	C	A	B	
Trichloroethane	B	~	A	A	A	~	~	~	A	A	A	A	NR	NR	NR	
Trichloroethylene	B	A ¹	A	A	A	A ¹	A ¹	A ¹	A	A	~	A	A	NR	NR	
Trichloropropane	A	~	A	~	A	~	~	~	A ¹	~	~	A	A ¹	NR	A	
Trichlorotrifluoroethane	~	~	~	~	~	~	~	~	A	~	~	~	~	~	~	
Tricresylphosphate	B	~	A	B	A	~	~	~	A	~	A	A ²	A	NR	A	
Triethyl Phosphate	~	A	~	~	~	A	A	A	~	~	~	~	~	~	~	
Triethylamine	A	~	~	~	A	~	~	~	A	~	A	NR	A	C	A	
Trifluoromethyl Sulfonic Acid	~	~	~	~	~	~	~	~	C	~	~	~	~	~	~	
Trisodium Phosphate	B	A	A	~	C	A	A	A	~	A	~	A	A	A	A	
Turbine Oil	A	~	~	A	A	~	~	~	A	~	A	~	A	B	A	
Turpentine	A	A	B	B	C	A	A	A	A	~	A	A	~	NR	NR	
Turpentine (dry)	~	A	~	~	~	A	A	A	~	~	~	~	~	~	~	
Urea	B	A	B	A	~	A	A	A	A	B	A	A	B	A	B	
Uric Acid	B	~	B	A	~	A	~	~	A	~	A	~	A	~	A	
Urine	A	~	~	C	~	~	~	A ¹	~	A	A ¹	A ¹	A ¹	NR	~	
Varnish	A	~	A	~	A	A	~	~	A	~	A	A	B	NR	NR	
Vaseline	~	~	~	~	~	~	~	A	~	~	~	~	~	~	~	
Vegetable Juice	A	~	~	~	C	A	~	~	A	~	A	A ²	A	~	B	
Vegetable Oil	~	~	~	~	~	A ¹	~	~	A	~	~	~	~	~	~	
Vinegar	A	A	A	A	C	A	A	A	A	A	~	A	A	B	A	
Vinyl Acetate	B	~	~	~	~	~	~	~	A ²	~	A ²	A ¹	A ²	NR	B ²	
Vinyl Chloride	A ¹	~	A ²	A	~	~	~	~	A ²	~	A ²	A ¹	A ²	NR	C	
Water, Acid, Mine	B	A	A	A	C	A	A	A	~	A	~	A	A	A	C	
Water, Chlorinated	~	~	~	A	~	~	~	~	~	~	~	~	~	~	~	
Water, Deionized	A ²	A	A ²	A ²	~	A	A	A	~	A ²	~	A ²	A ¹	A ¹	A	
Water, Distilled	A	A	A	A	NR	~	A	A	A	A	~	A	A	A	C	
Water, Fresh	A	A	A	A	A	~	A	A	~	A	A	A	A	A	B	
Water, Salt	B	A	A	A	NR	A	A	A	~	A	~	A	A	A	B	
Water, Tap	~	A	~	~	~	A	A	A	~	A	~	~	~	~	~	
Wax	~	~	~	~	~	A ¹	~	~	A	~	~	~	~	~	~	
Weed Killers	A	~	~	~	C	~	~	~	~	~	~	A	~	C	A	
Whey	A	~	~	~	~	~	~	~	A	~	~	A	A	~	~	
Whiskey & Wines	A	~	~	A	C	A	~	~	A	A	~	A	A	A	C	

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CHEMICAL														
White Liquor (Pulp Mill)	A	~	A	~	NR	~	~	~	~	A	~	A	A	PTFE (Teflon)
White Water (Paper Mill)	A	~	~	~	A	~	~	~	~	A	~	A	A	Buna-N
Wines & Spirits	~	~	~	~	~	A ¹	~	~	A	~	~	~	~	EPDM
Xylene	B	A	A	A	A	A	A	A	A	~	A	NR	A	Neoprene
Yeast	~	~	~	~	~	A ¹	~	~	A	~	~	~	~	Silicone Rubber
Zinc Chloride	B	A	B	A ¹	NR	NR	A	A	A	~	A	A	A	B
Zinc Hydrosulfite	A	A	~	~	NR	~	A	A	~	A	~	A	A	A
Zinc Sulfate	A	A	A ²	A ²	C	A	A	A	A	~	A	A	A	Kal-Rez
														Ceramic Magnet