

	302	304	316	440	Alum	Titanium	Hastelloy C	Bronze	Brass	Cast Iron	Carbon Steel	PVDF	PVC	Tygon	ETFE	Noryl	Polyacetal	Nylon	ABS	PE	PP	Ryton	Carbon	Ceramic	Ceramagnet	Viton	BUNA N	Silicon	Neoprene	EPDM	Rubber	Epoxy		
Acetaldehyde ₅	A	A	A	-	B	A	A	D	-	-	C	-	D	D	A	-	A	A	D	C	B	A	A	A	-	D	B	B	D	B	C	A		
Acetamide	-	B	A	-	-	-	-	-	-	-	C	-	-	-	-	-	B	-	-	-	-	-	-	A	-	A	A	-	A	A	D	A		
Acetate Solv. 2	A	B	A	B	B	A	-	A	C	B	A	-	B	D	A	-	-	A	B	D	-	-	A	A	-	D	D	-	D	-	A			
Acetic Acid, Glacia ₁	-	B	A	A	B	A	A	C	C	D	A	-	C	B	A	C	D	D	D	B	B	A	A	A	-	D	D	B	C	B	C	B		
Acetic Acid 20%	-	B	A	-	-	A	A	-	C	-	-	A	B	-	A	A	-	D	-	-	A	A	-	A	-	A	C	-	C	-	-	B		
Acetic Acid 80%	-	B	A	-	-	A	A	-	C	-	-	A	D	-	A	B	-	D	-	-	B	-	-	A	-	A	C	-	D	-	-	B		
Acetic Acid	-	B	A	B	B	A	A	C	C	D	C	B	A	B	A	A	D	D	C	B	A	A	A	-	C	C	-	C	B	C	A			
Acetic Anhydride	B	A	A	B	B	A	A	C	D	B	D	D	D	D	A	D	D	D	D	C	B	A	A	-	D	A	C	B	C	B	C	A		
Acetone ₅	A	A	A	B	A	A	A	A	A	A	A	D	D	D	A	D	B	A	D	C	B	A	A	A	A	D	D	B	C	A	D	B		
Acetyl Chloride	-	C	A	-	-	-	-	D	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	A	A	
Acetylene ₂	A	A	A	A	A	B	-	B	-	A	A	-	B	-	-	-	A	A	-	-	D	A	A	A	-	A	A	C	B	A	C	A		
Acrylonitrile	A	A	C	-	B	B	B	A	-	C	-	-	-	-	-	-	B	-	D	-	B	A	A	A	-	C	D	-	D	-	-	A		
Alcohols																																		
Amyl	A	A	A	-	C	A	A	A	B	C	C	A	A	B	A	C	A	A	B	B	B	A	A	A	-	A	A	D	A	A	C	A		
Benzyl	-	A	A	-	B	A	A	A	C	-	-	-	D	B	-	A	A	A	D	D	A	-	A	A	-	A	D	-	B	B	D	A		
Butyl	A	A	A	-	B	B	A	B	C	C	C	A	A	B	A	A	A	-	B	B	A	A	A	-	A	A	D	A	A	A	A			
Diacetone ₂	-	A	A	-	A	A	A	C	-	A	-	D	-	-	A	A	A	-	-	D	-	-	A	A	-	D	D	-	D	A	D	A		
Ethyl	-	A	A	A	B	A	A	A	C	A	A	-	A	C	-	A	B	A	B	B	A	-	A	A	A	A	A	B	A	B	A	A		
Hexyl	-	A	A	-	A	A	A	A	C	-	A	-	-	-	-	A	A	A	-	-	A	-	A	A	-	A	A	D	B	A	A	A		
Isobutyl	-	A	A	-	B	A	A	A	C	-	A	-	-	-	-	A	A	A	B	-	A	-	A	A	-	A	C	B	A	A	A	A		
Isopropyl	-	A	A	-	B	A	A	A	C	C	A	-	-	-	-	A	A	A	-	-	A	-	A	A	-	A	C	C	B	A	A	A		
Methyl ₆	-	A	A	A	B	A	A	A	C	A	A	-	B	-	A	A	C	A	D	B	A	-	A	A	A	C	B	-	A	A	A	A		
Octyl	-	A	A	-	A	A	A	A	C	-	A	-	-	-	-	A	A	A	-	-	-	-	A	A	-	A	B	-	B	A	C	A		
Propyl	-	A	A	-	A	A	A	A	-	-	A	B	A	-	A	A	A	A	-	-	A	-	A	A	-	A	A	B	A	A	A	A		
Aluminum Chloride 20%	-	D	C	D	B	A	A	D	-	D	A	-	A	B	-	A	C	A	-	B	A	A	A	-	A	A	-	A	A	A	A	A		
Aluminum Chloride	C	D	C	-	D	C	A	C	-	D	B	A	A	A	A	A	-	D	-	-	A	A	A	-	A	A	C	A	-	-	-	A		
Aluminum Fluoride	-	D	C	D	-	D	B	-	-	-	A	A	A	-	A	A	C	D	-	B	A	-	A	-	A	A	C	A	-	-	C	A		
Aluminum Hydroxide6	-	A	A	A	A	-	-	A	-	D	A	-	A	-	A	A	B	A	-	-	A	-	A	A	A	A	A	-	A	-	-	A	A	
Alum Potassium Sulfate (Alum), 10%	-	A	-	-	A	-	B	-	-	D	A	-	A	-	A	-	-	A	-	A	-	-	A	A	-	A	-	-	A	-	-	A	A	
Alum Potassium Sulfate (Alum), 100%	-	D	A	B	B	-	B	C	-	-	A	-	A	B	A	A	C	D	-	B	A	-	-	A	-	A	-	-	A	-	-	A	A	
Aluminum Sulfate	-	C	C	A	A	A	A	C	C	D	A	A	A	B	A	A	C	A	-	B	A	A	A	-	A	A	-	A	-	-	A	A	A	
Amines	A	A	A	-	A	B	A	B	-	A	B	-	C	A	A	B	D	A	-	-	-	-	A	A	-	D	D	C	B	B	C	A		
Ammonia 10%	-	-	A	-	-	A	A	-	-	-	-	D	A	-	A	A	-	A	-	-	A	-	A	-	A	D	-	A	-	-	B			
Ammonia, Anhydrous	A	B	A	A	B	B	A	D	-	D	B	D	A	B	A	A	D	A	-	B	A	B	C	A	-	D	B	B	A	A	D	A		
Ammonia, Liquids	-	A	A	A	D	-	B	D	-	A	A	-	A	B	A	A	D	-	-	D	A	-	A	A	-	D	B	B	A	A	D	A		
Ammonia, Nitrate	-	A	A	A	C	-	-	D	-	-	A	-	B	B	-	A	C	-	-	-	A	-	A	A	-	A	-	-	C	-	-	A		
Ammonium Bifluoride	-	C	A	-	D	-	B	-	-	-	-	-	A	-	-	A	D	-	-	-	A	-	-	A	-	A	-	-	A	-	-	A		
Ammonium Carbonate	B	A	A	A	C	A	B	B	-	C	B	-	A	B	A	A	D	A	-	-	A	-	A	A	-	B	D	C	A	A	-	A		
Ammonium Casenite	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	A	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	
Ammonium Chloride	C	A	C	A	C	D	A	D	C	D	D	A	A	B	A	A	B	A	-	B	A	A	A	-	A	A	-	A	C	A	A	A	A	
Ammonium Hydroxide	A	A	A	A	C	A	A	D	D	A	C	-	A	B	A	A	D	A	B	B	A	A	A	-	B	B	B	A	A	C	A	A		
Ammonium Nitrate	A	A	A	A	B	A	A	D	D	A	D	-	A	B	A	A	C	D	-	B	A	A	A	-	D	A	C	A	A	A	A	A		
Ammonium Oxalate	-	A	A	A	-	-	A	-	-	-	A	-	-	-	-	-	B	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	A	
Ammonium Persulfate	-	A	A	A	C	C	A	A	-	D	A	D	A	-	A	A	D	D	-	-	A	-	-	A	-	C	A	-	-	-	-	-	A	A
Ammonium Phosphate, Dibasic	B	A	A	A	B	A	A	C	-	-	D	-	A	-	A	A	B	A	-	B	A	-	A	-	A	A	-	A	B	A	A	A	A	
Ammonium Phosphate, Monobasic	-	A	A	A	B	A	A	C	-	-	A	-	A	A	A	B	A	-	B	A	-	B	A	-	A	A	-	A	B	A	A	A	A	
Ammonium Phosphate, Tribasic	B	A	A	A	B	A	A	C	-	C	D	-	A	-	A	A	B	A	-	B	A	-	A	A	-	A	A	B	A	A	A	A	A	
Ammonium Sulfate	C	D	B	A	B	A	A	B	C	C	C	A	A	D	A	B	D	-	B	A	A	A	-	D	A	B	A	A	A	A	A	A		
Ammonium Thio-Sulfate	-	-	A	-	-	A	-	-	D	A	-	-	-	-	-	-	B	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	A	
Amyl-Acetate	B	A	A	C	B	A	A	C	-	-	C	C	D	D	A	D	A	B	-	D	D	A	A	A	-	D	D	D	D	A	D	A		
Amyl Alcohol	-	A	A	-	B	A	A	A	-	-	A	A	A	B	A	C	A	A	-	B	A	-	A	A	-	B	B	D	A	A	C	A		
Amyl Chloride	-	C	B	-	D	-	A	A	-	-	A	A	D	C	A	D	A	C	-	D	D	-	A	A	-	A	D	-	D	D	D	A		
Aniline	B	A	A	A	C	A	B	C	-	-	C	C	D	D	A	D	D	C	D	C	B	A	A	A	-	C	D	C	D	B	D	A		
Anti-Freeze	-	A	A	-	A	-	A	B	B	B	C	-	A	B	A	A	A	A	B	B	A	A	A	-	A	A	C	A	A	A	A	A		
Antimony Trichloride	-	D	D	-	D	C	A	-	-	-	-	-	A	A	A	-	-	D	-	A	-	-	A	-	-	-	-	C	-	-	-	A		
Aqua Regia (80% HCl, 20% HNO)	-	D	D	-	D	A	D	D	-	-	-	C	D	D	A	D	D	D	-	D	C	-	-	D	-	C	D	C	D	D	D	D		
Arochlor 1248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	D	-	D	B	D	A	
Aromatic Hydrocarbons	-	-	A	-	A	-	-	A	-	A	A	-	D	-	-	D	A	-	-	C	-	-	-	A	-	A	D	-	D	D	D	A		
Arsenic Acid	B	A	A	-	D	-	-	D	B	D	D	A	A	B	A	A	D	A	-	B	A	-	A	A	-	A	A	-	A	-	-	C	A	
Asphalt	-	B	A	-	C	-	-	A	-	C	-	-	A	-	-	-	A	A	-	-	A	-	A	-	A	-	A	B	C	B	D	D	A	
Barium Carbonate	B	A	A	A	B	A	A	B	-	B	B	-	A	A	A	A	A	A	-	B	A	-	A	A	-	A	A	-	A	-	-	-	A	A
Barium Chloride	C	D	A	A	D	A	A	B	-	-	C	A	A	B	A	A	A	B	-	B	A	A	A	-	A	A	B	A	A	A	A	A		
Barium Cyanide	-	-	A	-	-	-	-	C	-	-	A	-	-	-	-	-	B	-	-	B	-	-	-	A	-	A	C	-	-	-	-	-	A	
Barium Hydroxide	B	C	A	A	D	B	B	B	-	C	C	A	A	-	A	A	D	A	-	B	A	A	A	-	A	A	-	A	C	A	A	A	A	
Barium Nitrate	-	A	A	-	-	A	-	D	-	A	A	-	B	-	-	-	A	A	-	-	-	-	-	A	-	A	-	-	-	-	-	-	B	
Barium Sulfate	B	A	A	A	D	A	A	C	-	C	C	A	A	-	A	A	A	A	-	B	A	A	A	-	A	A	-	A	D	A	A	-	B	
Beet Sugar Liquids	A	A	A	-	A	-	-	A	B	A	-	-	A	-	-	A	B	A	B	-	A	-	-	A	-	A	-	-	B					

	A = No effect B = Minor Effect C = Moderate D = Severe																																			
	302	304	316	440	Alum	Titanium	Hastelloy C	Bronze	Brass	Cast Iron	Carbon Steel	PVDF	PVC	Tygon	ETFE	Noryl	Polyacetal	Nylon	ABS	PE	PP	Ryton	Carbon	Ceramic	Ceramagnet	Viton	BUNA N	Silicon	Neoprene	EPDM	Rubber	Epoxy				
Calcium Hydroxide	B	A	A	-	C	A	A	B	-	-	-	-	A	A	A	A	B	A	-	B	A	-	A	A	A	A	A	C	A	A	A	A				
Calcium Hypochlorite	D	D	C	C	C	A	B	D	-	D	-	A	D	-	A	A	D	D	-	B	A	-	A	A	-	A	A	B	C	D	A	C	A			
Calcium Sulfate	B	A	A	A	B	A	B	B	-	-	-	A	A	A	A	A	A	A	C	B	A	A	A	A	-	A	A	-	D	-	C	A	A			
Calgon	-	A	A	-	-	-	-	C	-	D	-	-	-	-	-	A	B	-	-	-	A	-	A	A	-	A	A	-	A	-	-	-	A			
Cane Juice2	-	A	A	-	B	-	-	B	C	A	-	-	A	-	-	-	A	A	-	-	-	D	-	A	A	-	-	A	-	A	-	A	A			
Carbolic Acid (See Phenol)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Carbon Bisulfide2	B	A	A	A	A	-	-	C	-	B	-	-	D	D	-	-	A	A	-	-	-	D	-	A	A	A	A	D	-	D	D	D	A			
Carbon Dioxide (wet)	-	A	A	-	C	-	A	C	C	C	-	-	-	-	A	-	-	-	-	-	-	-	-	A	A	-	-	-	-	-	-	-	-			
CarbonDisulfide2	-	B	A	-	C	-	-	C	C	B	C	-	D	C	A	D	A	A	-	D	D	A	A	B	-	A	D	-	D	D	D	D	A			
Carbon Monoxide	-	A	A	-	A	-	-	-	-	-	-	-	A	-	-	B	A	A	-	B	A	-	A	A	-	A	A	B	B	A	C	A	A			
Carbon Tetrachloride21	B	B	B	A	C	A	A	C	A	C	D	A	C	C	A	D	A	A	D	D	D	C	A	A	A	A	C	C	D	-	D	C	A			
Carbonated Water	B	A	A	A	A	-	-	B	-	D	-	-	A	-	-	A	A	A	-	-	-	-	A	A	-	A	A	-	A	-	A	-	A	A		
Carbonic Acid	B	A	B	A	A	-	A	B	-	D	-	A	A	-	A	A	A	A	-	B	A	-	A	A	-	A	B	B	A	A	A	A	A			
Catsup	-	A	A	A	D	-	-	C	-	D	-	-	A	-	-	A	B	A	B	-	A	-	A	A	-	A	A	-	C	-	-	-	A			
Chloracetic Acid2	D	D	D	D	C	A	A	D	-	D	-	D	A	D	A	-	D	D	-	D	D	-	A	A	-	D	D	-	D	B	D	B	B			
Chloric Acid	-	D	D	-	-	-	-	-	-	-	-	-	D	-	A	-	-	-	-	-	-	-	-	-	-	-	D	-	D	-	-	-	D			
Chlorinated Glue	-	A	A	-	D	-	-	C	-	D	-	-	-	-	C	-	C	D	-	-	-	-	-	-	-	A	C	-	D	B	D	A				
Chlorine, Anhydrous Liquid	-	D	D	D	D	A	A	D	-	C	-	-	D	B	A	A	D	D	-	D	D	C	A	D	-	A	D	-	D	B	D	B	B			
Chlorine (dry)	B	A	A	-	D	D	A	A	B	A	-	-	-	-	A	-	-	-	-	-	-	-	C	A	A	-	D	-	-	D	-	D	D			
Chlorine Water	D	-	D	-	D	A	B	D	D	D	-	A	A	-	A	C	-	D	-	-	D	C	C	A	-	A	D	C	D	-	-	-	-			
Chlorobenzene (Mono)	A	A	A	-	B	-	A	B	-	B	C	A	D	D	A	D	A	A	D	D	D	C	A	A	-	A	D	-	D	D	D	D	A			
Chloroform	A	A	A	A	D	A	A	B	-	D	C	C	D	C	A	D	A	C	D	D	D	C	A	A	A	A	D	D	D	D	D	D	A			
Chlorosulfonic Acid1	D	D	-	D	D	A	B	D	-	-	D	D	C	C	A	D	D	D	-	D	D	-	C	-	-	D	D	D	D	D	D	C	A			
Chlorox (Bleach)	-	A	A	-	C	-	A	A	-	D	C	-	A	B	A	A	D	D	B	-	D	C	A	A	-	A	C	-	B	B	D	A	A			
Chocolate Syrup	-	A	A	-	A	-	-	-	-	D	-	-	-	-	-	A	A	A	-	-	-	-	-	-	-	-	A	-	A	-	D	A	A			
Chromic Acid 5%	-	A	A	B	C	A	A	D	D	D	-	-	A	B	-	C	D	D	B	B	A	A	D	C	-	A	D	C	D	A	B	B				
Chromic Acid 10%	-	B	-	-	-	A	A	-	D	-	-	A	A	-	A	A	-	D	-	-	-	-	-	-	-	A	D	-	D	-	-	C	A			
Chromic Acid 30%	-	B	-	-	-	A	A	-	D	-	-	B	A	-	A	D	-	D	-	-	-	-	-	-	-	A	D	-	D	-	-	D	A			
Chromic Acid 50%	C	B	B	-	C	A	A	D	D	D	-	C	B	B	A	D	D	D	C	C	B	B	D	A	-	A	D	-	D	A	D	C	A			
Cider	-	A	A	A	B	-	-	A	-	D	-	-	A	-	-	A	B	-	-	B	-	-	-	-	-	A	A	-	A	-	-	-	A			
Citric Acid	-	A	A	A	C	A	A	D	C	D	-	A	A	-	A	A	B	C	C	B	B	-	A	A	B	A	D	C	A	A	A	A	A			
Citric Oils	-	A	A	-	C	-	-	B	-	-	-	-	-	-	-	A	B	-	-	-	-	-	-	-	-	A	C	D	-	-	-	-	A			
Coffee	A	A	A	A	A	-	-	B	-	C	-	-	-	-	A	A	A	A	-	-	-	-	-	-	-	-	A	-	A	-	-	-	A			
Copper Chloride	C	D	D	B	D	A	A	D	-	D	-	A	A	B	A	A	B	D	-	B	A	A	-	A	-	A	A	-	A	A	A	A	A			
Copper Cyanide	-	A	A	A	D	A	A	C	-	D	-	A	A	-	A	A	B	A	-	B	A	A	A	A	-	A	B	-	A	A	A	A	C			
Copper Floroborate	-	D	D	-	D	-	B	D	-	D	-	##	A	-	A	-	B	-	-	-	-	-	-	-	-	A	B	-	A	-	-	A	A			
Copper Nitrate	B	A	A	B	D	A	A	D	-	-	-	A	A	-	A	A	B	D	-	B	A	-	A	A	-	A	A	-	A	-	-	-	A			
Copper Sulfate (5% Sol)	-	A	A	A	D	A	A	D	D	D	-	-	A	-	A	A	B	D	-	B	A	A	A	A	-	A	A	C	A	-	-	-	A			
Copper Sulfate	B	B	-	-	-	A	A	C	D	-	-	A	A	-	A	A	-	C	-	-	-	-	-	-	-	B	B	-	A	A	-	-	A			
Cream	-	A	A	-	A	-	-	C	-	D	-	-	-	-	-	A	A	A	-	-	-	-	-	-	-	-	A	-	C	-	-	-	A			
Cresols2	-	A	A	-	B	-	-	D	C	-	-	-	D	D	-	-	D	-	D	D	C	A	A	A	-	D	D	D	D	D	D	A	A			
Cresylic Acid	B	A	A	-	C	A	B	C	-	-	-	B	B	D	A	-	D	D	-	C	-	-	-	-	-	A	D	-	D	D	D	A	A			
Cyclohexane	-	A	-	-	A	A	-	A	-	-	A	-	-	D	-	D	A	-	-	-	D	A	A	A	-	A	D	D	D	D	D	A	A			
Cyanic Acid	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	C	-	D	-	-	-	A			
Detergents	-	A	A	-	A	-	-	A	-	-	A	-	A	-	-	A	B	A	B	B	A	A	A	A	-	A	A	-	B	A	C	A	A			
Dichlorethane	-	A	A	-	-	-	A	-	-	-	-	-	D	D	A	-	-	A	-	-	-	-	-	-	-	B	-	-	D	-	-	-	A			
Diesel Fuel	A	A	A	-	A	-	-	A	-	A	A	-	-	-	-	D	A	-	-	-	-	D	A	A	-	A	A	-	A	-	D	D	D	A		
Diethylamine	A	A	-	-	A	-	-	A	-	-	-	-	D	-	A	B	D	-	-	-	C	-	A	A	-	D	B	-	B	B	C	A	A			
Diethylene Glycol	-	A	-	-	-	-	-	A	-	-	-	-	-	-	-	A	A	A	B	B	-	-	-	-	-	A	A	C	A	A	A	A	A			
Diphenyl Oxide	-	A	-	-	-	-	-	A	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	A	D	-	D	D	D	A	A			
Dyes	-	A	A	-	B	-	-	C	-	-	-	-	-	-	-	A	A	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	A			
Epsom Salts																																				
(Magnesium Sulfate)	B	A	A	A	A	A	B	B	-	-	-	-	A	-	-	A	A	-	-	-	-	-	-	-	-	A	A	-	A	-	-	-	C	A		
Ethane	A	A	-	-	A	-	-	A	-	-	-	-	-	-	-	D	A	-	-	-	-	-	-	-	-	A	A	-	A	-	B	D	D	A		
Ethanolamine	-	A	A	-	-	-	-	-	-	-	C	-	-	-	-	-	D	-	-	-	-	-	-	-	-	A	A	A	-	D	B	C	B	-	C	A
Ether3	A	A	A	A	A	-	B	B	A	-	B	-	D	C	-	D	A	C	-	-	-	-	-	-	-	A	A	A	C	D	-	D	C	D	A	
Ethyl Acetate2	-	A	A	-	B	-	B	B	-	-	C	D	D	D	A	D	A	A	D	C	C	A	A	A	-	D	D	C	D	B	D	A	A			
Ethyl Chloride	-	A	A	A	B	A	B	B	-	C	D	A	D	D	A	D	A	A	-	D	D	A	A	A	-	A	D	D	C	A	A	A	A			
Ethyl Sulphate	-	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B	-	-	-	-	-	-	-	-	A	A	-	-	-	-	-	-	A		
Ethylene Chloride2	-	A	A	-	C	B	B	A	-	C	C	-	D	-	A	D	A	-	D	-	D	A	A	A	-	A	D	D	D	C	D	A	A			
Ethylene Dichloride	-	A	A	-	D	A	B	C	-	-	C	-	D	D	A	D	A	A	-	D	A	A	C	A	-	A	D	D	D	C	D	A	A			
Ethylene Glycol4	-	A	A	-	A	-	A	B	B	B	C	A	A	B	A	A	A	A	B	B	A	A	A	A	-	A	A	A	C	A	A	A	A	A		
Ethylene Oxide	-	-	A	-	A	-	-	A	-	-	-	-	D	-	-	A	A	A	A	-	-	-	-	-	-	-	D	D	D	D	C	D	A	A		
Fatty Acids	-	A	A	-	B	A	A	C	-	D	-	-	A	B	A	B	A	A	-	B	A	-	A	A	-	A	C	C	B	C	C	A	A			
Ferric Acid	-	D	D	D	D	A	B	D	D	D	-	A	A	B	A	A	B	D	-	B	A	A	A	A	-	A	D	C	C	B	A	A	A			
Ferric Nitrate	-	A	A	A	D	A	A	D	-	-	-	A	A	-	A	A	B	D	-	B	A	A	A	A	-	A	D	A	A	A	A	A	A	A		
Ferric Sulfate	-	A	C	A	D	A	A	D	D	D	-	A	A	B	A	A	B	A	C	-	-	-	-	-	-	A	B	C	A	-	-	-	A			

	302	304	316	440	Alum	Titanium	Hastelloy C	Bronze	Brass	Cast Iron	Carbon Steel	PVDF	PVC	Tygon	ETFE	Noryl	Polyacetal	Nylon	ABS	PE	PP	Ryton	Carbon	Ceramic	Ceramagnet	Viton	BUNA N	Silicon	Neoprene	EPDM	Rubber	Epoxy						
Grease4	A	A	A	-	A	-	-	B	-	A	A	-	-	-	A	-	A	A	A	-	-	-	-	A	A	-	A	A	-	D	-	-	A					
Heptane1	A	-	A	-	A	-	A	A	-	-	B	A	A	-	A	D	A	A	A	C	D	D	A	A	A	-	A	A	-	B	D	-	A					
Hexane1	A	A	A	-	A	-	A	B	-	-	B	A	A	C	-	A	D	A	A	D	-	C	A	A	A	-	A	A	B	B	D	D	A					
Honey	-	A	A	-	A	-	-	A	-	A	-	-	A	-	-	A	A	A	A	B	-	-	A	-	A	A	-	A	A	-	A	A	-	A				
Hydraulic Oils (Petroleum)1	A	A	A	-	A	-	-	B	-	-	A	A	-	-	A	-	A	A	A	-	-	D	-	A	A	-	A	A	-	B	D	D	A					
Hydraulic Oils (Synthetic)1	-	A	A	-	A	-	-	A	-	A	-	-	-	-	-	-	A	A	A	-	-	D	-	A	A	-	A	C	D	-	-	-	A					
Hydrazine	-	A	A	-	-	-	-	-	-	C	-	-	-	-	-	-	D	-	-	-	-	-	-	A	-	-	A	B	D	B	A	C	A					
Hydrobromic Acid 20%	-	-	D	-	-	A	A	-	-	-	-	A	A	-	A	A	-	D	-	-	-	-	A	-	B	-	A	D	-	C	-	-	B					
Hydrobromic Acid4	D	D	D	D	D	A	A	D	-	D	D	A	A	B	A	C	D	D	-	B	B	-	A	A	-	A	D	D	D	A	A	A	A					
Hydrochloric Acid(Dry Gas)	D	C	A	-	D	-	A	-	-	-	D	-	A	-	A	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	A				
Hydrochloric Acid 20%4	-	D	D	D	D	C	B	D	-	D	-	A	A	B	A	A	D	D	B	A	A	D	A	A	D	A	C	-	C	A	C	A	A					
Hydrochloric Acid 37%4	-	D	D	D	D	C	B	D	-	D	-	A	A	B	A	A	D	D	C	A	A	D	A	A	C	D	A	C	C	C	C	D	A					
Hydrochloric Acid 100%	-	D	D	-	D	D	C	D	-	D	-	-	A	A	A	-	-	D	-	A	-	-	-	A	C	-	C	D	-	C	-	-	A	A				
Hydrocyanic Acid	A	A	A	C	A	A	A	D	D	-	C	-	A	B	A	A	B	A	-	B	A	-	A	A	-	A	C	-	C	-	-	-	-	A				
Hydrocyanic Acid(Gas 10%)	-	D	D	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A				
Hydrofluoric Acid 20%1	-	D	D	D	D	D	B	D	-	D	-	-	D	B	A	A	D	D	-	C	A	C	B	C	D	A	D	-	C	A	C	B						
Hydrofluoric Acid 75%12	-	C	D	-	D	D	C	D	-	D	-	A	C	B	A	A	D	D	-	C	B	C	D	D	D	A	D	D	D	C	C	C	C					
Hydrofluoric Acid 100%	D	D	D	-	D	D	B	D	-	D	D	-	C	D	A	-	-	-	-	D	-	-	C	D	D	-	D	-	D	-	-	-	D	A				
Hydrofluosilicic Acid 20%	-	D	D	-	D	D	B	A	-	D	-	-	D	-	A	B	D	D	-	-	A	-	-	A	D	-	A	B	-	B	A	A	C					
Hydrofluosilicic Acid	-	D	D	-	C	-	C	D	-	-	-	-	C	A	-	-	-	-	-	-	-	-	-	A	-	-	-	-	D	A	-	-	-					
Hydrogen Gas	A	A	A	-	A	-	-	A	-	B	B	A	A	-	A	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	A				
Hydrogen Peroxide 10%	-	C	C	-	A	C	A	D	D	D	-	-	A	A	A	-	-	D	-	A	-	-	B	A	A	-	-	A	-	D	-	-	C	D				
Hydrogen Peroxide 30%	-	-	B	-	-	B	A	-	D	-	-	-	A	-	A	-	-	D	-	-	-	A	C	-	-	-	A	D	-	C	-	-	-	B				
Hydrogen Peroxide	-	A	B	A	A	B	A	D	D	D	D	C	A	C	A	B	D	D	-	B	A	C	-	-	A	A	A	D	C	D	C	C	A					
Hydrogen Sulfide, Aqueous Solution	-	D	A	C	C	A	A	D	C	D	-	A	A	B	A	A	A	D	D	-	B	A	A	A	A	D	C	-	B	A	D	A	A					
Hydrogen Sulfide (dry)	A	C	A	-	D	-	A	D	C	B	B	-	A	-	A	-	-	D	-	-	-	-	A	-	A	-	D	-	-	-	-	-	-	A				
Hydroxyacetic Acid (70%)	-	-	-	-	D	B	-	-	-	-	-	-	A	-	-	-	D	-	-	-	-	-	-	A	A	-	A	A	-	A	A	-	-	A				
Ink	A	A	A	-	C	-	-	C	-	D	D	-	-	-	-	B	A	A	-	B	-	-	-	A	A	A	A	A	-	A	-	-	-	-	A			
Iodine	-	D	D	D	D	A	B	D	-	D	-	-	D	B	A	A	C	D	D	D	D	-	-	A	A	-	A	B	-	D	B	D	A					
Iodine (in Alcohol)	-	-	B	-	-	D	A	-	-	-	-	-	D	-	A	C	-	D	-	-	B	-	-	A	-	A	D	-	D	-	-	-	-					
Iodoform	B	C	A	-	A	-	-	C	-	C	B	-	-	-	A	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Isotane2	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	D	A	-	-	-	-	-	D	-	-	A	A	-	-	-	-	-	-	D	A			
Isopropyl Acetate	-	-	B	-	C	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	A	A	-	D	D	-	D	B	D	A					
Isopropyl Ether2	A	-	A	-	A	-	-	A	-	-	A	-	-	-	A	D	A	-	-	-	D	-	-	A	A	-	D	B	-	D	D	-	-	-				
Jet Fuel (JP#, JP4, JP5)	A	A	A	-	A	-	-	A	-	-	A	A	A	-	A	D	A	A	A	-	-	D	A	A	A	-	A	A	D	D	D	D	D	A				
Kerosene2	A	A	A	A	A	A	A	A	A	A	B	A	A	D	A	D	A	A	B	D	D	A	A	A	A	A	A	A	D	D	A	D	A					
Ketones	A	A	A	-	B	A	A	A	-	A	A	D	D	A	D	B	A	-	-	D	D	A	C	A	-	D	D	-	D	D	C	C	C					
Lacquers	A	A	A	-	A	-	-	A	C	C	C	-	-	D	-	C	A	A	-	-	A	-	-	A	A	-	D	D	-	D	-	-	-	D	A			
Lacquer Thinners	-	-	A	-	-	A	A	-	C	-	-	-	C	-	A	D	-	A	-	-	B	-	-	A	-	-	D	-	D	A	-	-	-	-				
Lactic Acid	A	A	B	C	C	A	A	D	-	D	D	C	A	B	A	A	B	C	-	B	A	A	A	A	-	B	B	-	A	B	A	A	A	A				
Lard	B	A	A	A	A	-	-	A	-	A	C	-	A	-	-	-	A	A	C	-	A	-	-	A	A	-	A	A	C	B	-	-	-	D	A			
Latex	-	A	A	-	A	-	-	A	-	-	-	-	-	-	-	A	A	A	-	B	-	-	-	A	-	A	A	-	C	A	-	-	-	-	A			
Lead Acetate	B	A	A	-	D	A	A	C	-	-	D	-	A	B	A	A	A	A	-	B	A	-	-	A	A	-	D	B	-	D	A	A	A	A				
Lead Sulfamate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	A	B	C	A	D	C	A					
Ligroin3	-	-	A	-	-	-	-	A	-	-	-	-	-	-	-	D	A	-	-	-	-	-	D	-	-	A	A	-	B	A	D	A	A					
Lime	-	A	A	-	C	A	A	-	A	-	A	-	A	-	-	A	D	-	C	-	-	-	-	A	A	-	A	A	C	B	D	-	-	-	A			
Lubricants	-	A	A	-	A	A	A	B	-	-	-	-	A	-	A	-	A	A	B	-	A	A	A	A	-	A	A	A	C	D	-	-	-	-	D	A		
Magnesium Carbonate	-	A	A	A	-	-	B	-	-	-	-	-	A	-	-	A	A	-	-	B	A	-	-	A	-	-	A	-	A	A	-	-	-	-	A			
Magnesium Chloride	B	B	B	A	D	A	A	B	C	D	C	-	A	B	A	A	A	A	-	B	A	-	-	A	-	A	-	A	-	A	A	A	A	A				
Magnesium Hydroxide	A	A	A	-	D	A	A	C	B	B	B	A	A	-	A	A	A	A	-	B	A	-	-	A	A	-	A	B	-	B	-	-	-	C	A			
Magnesium Nitrate	-	A	A	A	-	A	A	-	-	-	-	-	A	-	A	A	A	A	-	B	A	-	-	A	-	A	A	-	A	-	-	-	-	-	-	A		
Magnesium Oxide	-	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	A	-	A	A	-	-	-	-	A		
Magnesium Sulfate	B	B	A	-	B	A	B	B	B	C	B	-	A	B	A	A	A	A	-	B	A	-	-	A	A	-	A	A	-	A	A	D	C	A				
Maleic Acid	C	A	A	A	B	A	A	C	-	-	B	-	A	B	A	A	C	A	-	-	C	-	-	A	A	-	A	D	-	A	D	D	A	A				
Maleic Anhydride	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	A	D	-	D	-	-	-	-	D	A		
Malic Acid	B	A	A	-	C	-	A	D	-	-	D	-	A	-	A	-	-	A	-	-	-	-	-	-	-	-	B	-	-	A	-	-	-	-	-	A		
Mash	-	A	A	-	-	-	-	A	-	-	-	-	-	-	-	-	A	A	-	-	-	-	-	-	-	-	-	A	-	A	-	-	-	-	-	-	A	
Mayonnaise	A	A	A	-	D	-	-	D	-	D	D	-	-	-	-	A	A	A	B	-	A	-	-	-	A	A	-	A	-	-	-	-	-	-	-	-	A	
Melamine	-	D	D	-	-	-	-	D	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	A	
Mercuric Chloride (Dilute Solution)	D	D	D	D	D	A	B	D	D	D	D	-	A	A	A	A	A	A	-	B	A	-	-	A	A	-	A	A	-	A	A	A	A	A	A			
Mercuric Cyanide	A	A	A	-	D	A	A	D	-	D	-	-	A	-	A	A	A	-	-	B	A	-	-	A	A	-	-	A	-	-	-	-	-	-	-	-	-	A
Mercury	A	A	A	A	C	C	A	D	D	A	A	-	A	-	A	A	A	A	-	B	A	-	-	A	A	-	A	-	-	-	-	-	-	-	-	-	-	A
Methyl Acetone	A	-	A	-	A	-	-	A	-	A	A	-	-	-	A	D	A	-	-	-	-	-	-	-	-	-	-	D	-	D	-	-	-	-	-	-	-	C
Methyl Alcohol 10%	A	-	A	-	C	-	A	C	-																													

	A = No effect B = Minor Effect C = Moderate D = Severe																																	
	302	304	316	440	Alum	Titanium	Hastelloy C	Bronze	Brass	Cast Iron	Carbon Steel	PVDF	PVC	Tygon	ETFE	Noryl	Polyacetal	Nylon	ABS	PE	PP	Ryton	Carbon	Ceramic	Ceramagnet	Viton	BUNA N	Silicon	Neoprene	EPDM	Rubber	Epoxy		
Tallow	-	A	A	-	A	-	-	-	-	-	-	-	-	-	-	A	A	A	-	C	-	-	A	A	-	A	A	-	-	-	-	-	A	
Tannic Acid	B	A	A	A	C	A	B	B	-	C	C	A	A	B	A	A	B	D	-	B	A	-	A	A	A	A	A	D	C	A	A	A	A	
Tanning Liquors	-	A	A	-	C	A	A	-	-	-	-	-	A	B	A	-	B	-	-	-	A	-	A	A	-	A	C	-	-	-	-	-	A	
Tartaric Acid	B	A	B	B	C	A	B	A	C	D	D	A	A	B	A	A	B	A	-	B	A	-	A	A	-	A	D	C	A	-	-	A	A	
Tetrachlorethane	-	-	A	-	-	A	A	-	-	-	-	-	D	-	A	D	A	A	-	-	A	-	A	A	-	A	D	-	-	-	D	D	A	
Tetrahydrofuran	-	A	A	-	D	-	-	D	-	D	A	D	D	-	A	D	A	A	-	D	C	A	A	A	-	D	D	-	D	B	D	A		
Toluene, Toluol3	A	A	A	-	A	A	A	A	A	A	A	A	D	D	A	D	A	A	D	D	D	A	A	A	A	C	D	D	D	D	D	A		
Tomato Juice	A	A	A	-	A	-	-	C	-	C	C	-	-	-	A	A	B	A	B	-	A	A	A	A	-	A	A	-	A	-	-	-	A	
Trichlorethane	-	C	A	-	C	A	A	C	-	C	-	-	-	-	A	D	A	-	-	-	-	-	A	A	-	A	D	D	D	D	D	A		
Trichlorethylene2	B	A	A	-	B	A	A	B	A	C	B	A	D	-	A	D	A	C	D	D	D	C	A	A	C	A	D	D	D	D	D	A		
Trichloropropane	-	-	A	-	-	-	-	A	-	-	-	-	-	-	-	D	A	-	D	-	-	-	A	A	-	A	A	-	A	-	-	-	A	
Tricresylphosphate	-	-	A	-	-	B	A	A	-	-	-	-	D	-	A	A	C	-	-	-	-	-	A	A	-	B	D	-	D	A	-	-	A	
Triethylamine	-	-	-	-	-	-	-	A	-	-	-	-	A	-	-	B	D	-	-	-	-	-	A	A	-	A	A	D	B	-	-	-	A	
Turpentine3	B	A	A	-	C	-	A	B	C	B	B	A	A	B	A	D	A	A	-	D	B	A	A	A	-	A	D	-	D	D	D	A		
Urine	-	A	A	-	B	-	-	C	-	B	-	-	A	-	-	A	A	A	-	B	A	-	A	A	-	A	A	-	D	A	-	-	A	
Vegetable Juice	-	A	A	-	A	-	-	C	-	D	-	-	-	-	-	A	A	A	-	-	-	-	A	A	-	A	A	B	D	-	-	D	A	
Vinegar	A	A	A	A	D	A	A	B	B	C	D	A	A	-	A	A	B	A	B	B	C	-	B	A	C	A	A	-	-	-	-	-	-	A
Varnish	A	A	A	A	A	-	-	A	B	-	C	-	-	-	A	D	A	A	-	-	A	-	A	A	A	A	B	C	D	-	-	D	A	
Water, Acid, Mine	-	A	A	-	C	-	-	C	D	C	-	-	A	B	-	A	D	A	B	-	A	B	A	A	-	A	A	-	B	-	-	B	A	
Water, Distilled, Lab Grade 7	-	A	A	-	B	-	-	A	-	D	-	-	A	B	A	A	A	A	A	-	A	A	A	A	A	A	A	A	-	B	A	A	A	
Water, Fresh	A	A	A	-	A	-	-	A	C	B	D	-	A	B	A	A	A	A	A	D	A	A	A	A	A	A	A	A	-	B	A	A	A	
Water, Salt	-	A	A	-	B	-	-	B	C	D	-	-	A	B	-	A	A	A	-	-	A	A	A	A	A	A	A	-	B	A	A	A	A	
Weed Killers	-	A	A	-	C	-	-	C	-	-	-	-	-	-	-	A	A	-	-	-	-	-	A	A	-	A	B	-	C	-	-	-	A	
Whey	-	A	A	-	B	-	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	A	A	-	A	A	-	-	-	-	-	-	A
Whiskey & Wines	A	A	A	A	D	-	-	B	B	D	D	-	A	-	A	A	A	A	-	B	A	-	A	A	-	A	A	B	A	A	A	A	A	
White Liquor (Pulp Mill)	-	A	A	-	-	-	A	D	-	C	-	-	A	-	A	A	D	A	-	-	A	-	A	A	-	A	A	-	A	-	-	-	-	A
White Water (Paper Mill)	-	A	A	-	-	-	-	A	-	-	-	-	-	-	-	B	A	-	-	A	-	-	A	A	-	A	-	-	-	-	-	-	-	A
Xylene2	A	A	A	-	A	-	A	A	A	A	B	A	D	-	A	D	A	A	D	D	D	A	A	A	A	A	D	D	D	D	D	D	A	
Zinc Chloride	D	D	B	B	D	A	B	D	D	D	D	A	A	-	A	A	C	A	-	B	A	-	A	A	A	-	A	A	-	A	A	A	A	A
Zinc Hydrosulphite	-	-	A	-	D	-	-	D	-	D	-	-	-	-	-	A	C	-	-	-	-	-	A	A	A	-	-	A	-	-	-	-	-	A
Zinc Sulfate	B	A	A	A	D	A	B	B	C	C	D	A	C	B	A	A	C	A	-	B	A	A	A	A	-	A	A	-	A	A	C	A	A	