

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only			4-Not Recommended			--Insufficient Data								
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM	
Elastomers																					
Acetaldehyde	2	3	1	1	4	---	---	3	3	---	4	4	3	2	---	4	---	4	3	1	
Acetamide	4	4	1	1	1	---	---	2	2	---	4	4	4	2	---	1	1	2	1	1	
Acetic Acid, Glacial	2	2	2	1	3	2	4	4	3	1	4	4	2	2	4	4	---	3	3	1	
Acetic Acid, 30%	2	2	2	1	2	---	2	1	2	1	4	4	2	1	4	2	---	2	1	1	
Acetic Anhydride	2	2	2	2	3	4	4	2	1	1	4	4	2	3	4	4	2	4	4	1	
Acetone	3	3	1	1	4	4	4	3	2	1	4	4	3	3	4	4	4	4	4	1	
Acetophenone	4	4	1	1	4	4	4	4	4	---	4	4	4	4	---	4	---	4	4	1	
Acetyl Chloride	4	4	4	4	4	4	---	4	4	1	4	4	4	3	---	1	---	1	1	1	
Acetylene	2	2	1	1	1	---	---	2	2	---	4	4	3	2	---	---	---	1	1	1	
Acrylonitrile	4	4	4	4	4	4	---	4	3	1	4	4	4	4	---	4	---	3	4	1	
Adipic Acid	1	1	1	1	1	1	---	1	---	---	---	---	---	---	---	1	---	1	1	1	
Alkazene (Dibromoethylbenzene)	4	4	4	4	4	---	---	4	4	---	4	4	3	4	---	2	---	2	2	1	
Alum-NH3-Cr-K (aq)	1	1	1	1	1	1	---	1	1	---	---	4	4	1	---	4	1	4	---	---	
Aluminum Acetate (aq)	1	2	1	1	2	---	2	2	1	1	4	4	4	4	---	4	---	4	4	1	
Aluminum Chloride (aq)	1	1	1	1	1	1	1	1	1	1	3	1	4	2	---	1	---	1	1	1	
Aluminum Fluoride (aq)	2	1	1	1	1	1	1	1	1	---	3	---	4	2	---	1	---	1	1	1	
Aluminum Nitrate (aq)	1	1	1	1	1	1	1	1	1	---	3	---	2	2	---	---	---	1	1	1	
Aluminum Phosphate (aq)	1	1	1	1	1	1	1	1	1	---	---	---	1	1	---	---	---	1	1	1	
Aluminum Sulfate (aq)	1	1	1	1	1	1	---	1	1	---	4	4	4	1	---	1	---	1	1	1	
Ammonia Anhydrous	4	4	1	1	2	2	---	1	2	---	4	4	---	3	---	4	---	4	4	1	
Ammonia Gas (cold)	1	1	1	1	1	1	---	1	1	---	3	4	1	1	---	4	1	4	4	1	
Ammonia Gas (hot)	4	4	2	2	4	4	---	2	2	---	4	4	4	1	---	4	---	4	4	1	
Ammonium Carbonate (aq)	1	1	1	---	4	4	2	1	---	---	4	4	---	---	---	---	1	1	1	1	
Ammonium Chloride (aq)	1	1	1	1	1	1	1	1	1	1	---	---	1	---	---	---	---	1	1	1	
Ammonium Hydroxide (conc.)	4	4	1	1	4	---	2	1	1	1	4	4	1	1	---	2	---	2	1	1	
Ammonium Nitrate (aq)	3	2	1	1	1	1	1	1	1	---	4	2	---	---	---	1	---	1	1	1	
Ammonium Nitrite (aq)	1	1	1	1	1	1	---	1	1	---	---	---	2	---	---	---	---	1	1	1	
Ammonium Persulfate (aq)	1	4	1	1	4	4	---	1	1	---	4	4	---	---	---	---	---	1	1	1	
Ammonium Phosphate (aq)	1	1	1	1	1	1	---	1	1	1	---	---	1	1	---	---	---	1	1	1	
Ammonium Sulfate (aq)	1	1	1	1	1	1	---	1	1	1	1	4	4	---	---	---	---	2	1	1	
Amyl Acetate (Banana Oil)	4	4	3	3	4	4	4	4	4	3	4	4	4	4	---	4	---	4	4	1	
Amyl Alcohol	2	2	1	1	2	2	1	2	1	1	4	4	2	4	4	1	---	2	1	1	
Amyl Borate	4	4	4	4	1	1	---	1	1	---	---	---	1	---	---	---	---	1	1	1	
Amyl Chloronapthalene	4	4	4	4	4	4	---	4	4	---	4	4	3	4	---	2	---	1	1	1	
Amyl Napthalene	4	4	4	4	4	4	---	4	4	---	4	2	3	4	---	1	---	1	1	1	
Aniline	4	4	1	1	4	---	4	4	3	2	4	4	4	4	---	3	1	3	1	1	
Aniline Dyes	2	2	2	1	4	4	---	2	2	---	4	4	2	3	---	2	---	2	1	1	
Aniline Hydrochloride	2	4	2	2	2	---	---	4	4	---	4	4	4	4	---	2	---	2	1	1	
Animal Fats	4	4	2	2	1	1	1	2	2	---	1	1	4	2	1	1	---	1	1	1	
Ansul Ether (Anesthetics)	4	4	3	3	3	3	---	4	4	---	2	4	1	4	---	3	---	4	4	1	
Aqua Regia	4	4	4	3	4	4	---	4	2	2	4	4	4	4	---	3	---	2	1	1	
Aroclor, 1248	4	4	3	3	3	3	---	4	1	---	4	4	4	2	---	2	---	1	1	1	
Aroclor, 1254	4	4	4	3	4	4	---	4	4	---	4	4	4	3	---	2	---	1	1	1	
Aroclor, 1260	1	1	1	1	1	1	---	1	1	---	4	4	1	2	---	1	---	1	1	1	
Arsenic Acid	2	1	1	1	1	1	1	1	1	1	3	3	1	1	---	1	---	1	1	1	
Arsenic Trichloride (aq)	4	4	3	3	1	1	---	1	---	---	---	---	---	---	---	---	---	4	4	1	
Askarel	4	4	4	4	2	2	---	4	4	---	4	4	4	4	---	2	---	1	1	1	
Asphalt	4	4	4	4	2	---	1	2	2	---	2	2	1	4	2	2	---	1	1	1	

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Banana Oil (Amyl Acetate)	4	4	3	3	4	4	4	4	4	3	4	4	4	4	---	4	---	4	4	1						
Barium Chloride (aq)	1	1	1	1	1	1	1	1	1	1	1	1	1	---	1	---	1	1	1							
Barium Hydroxide (aq)	1	1	1	1	1	1	1	1	1	1	4	4	1	1	---	1	---	1	1	1						
Barium Sulfate (aq)	1	1	1	1	1	1	1	1	1	---	1	4	1	1	---	1	---	1	1	1						
Barium Sulfide (aq)	1	2	1	1	1	1	1	1	1	---	1	4	2	1	---	1	---	1	1	1						
Beer	1	1	1	1	1	1	1	1	1	---	2	4	4	1	---	1	---	1	1	1						
Beet Sugar Liquors	1	1	1	1	1	1	---	2	1	---	4	4	4	1	---	1	---	1	1	1						
Benzaldehyde	4	4	1	1	4	4	4	4	1	3	4	4	4	2	---	3	2	4	4	1						
Benzene	4	4	4	4	4	4	4	4	4	3	3	4	3	4	4	3	3	1	1	1						
Benzene Sulfonic Acid	4	4	4	3	4	---	---	2	1	---	4	4	4	4	---	2	---	1	1	1						
Benzene (Ligroin) (Nitrobenzene) (Pet Ether)	4	4	4	4	1	---	---	2	3	---	2	1	1	4	---	1	---	1	1	1						
Benzoic Acid	4	4	4	3	3	---	---	4	4	2	4	3	2	3	---	2	---	1	1	1						
Benzoyl Chloride	4	4	4	4	4	---	---	4	4	4	---	4	4	---	---	2	---	2	1	1						
Benzyl Alcohol	4	4	1	1	4	---	---	2	2	1	4	4	4	2	4	2	1	1	1	1						
Benzyl Benzoate	4	4	2	2	4	---	---	4	4	---	---	4	4	---	---	1	---	1	1	1						
Benzyl Chloride	4	4	4	4	4	---	---	4	4	4	4	4	4	---	2	1	1	1	1	1						
Biphenyl (Diphenyl) (Phenylbenzene)	4	4	4	4	4	4	---	4	4	---	4	4	2	4	4	---	1	1	1	1						
Blast Furnace Gas	4	4	4	4	4	4	---	4	4	---	4	4	4	1	---	2	---	1	1	1						
Bleach Solutions	4	4	1	1	4	2	---	4	1	---	4	4	4	2	---	2	1	1	1	1						
Borax	2	2	1	1	2	1	---	1	1	---	1	2	4	2	---	2	---	1	1	1						
Bordeaux Mixture	2	2	1	1	2	---	---	2	1	---	4	4	4	2	---	2	---	1	1	1						
Boric Acid	1	1	1	1	1	1	1	1	1	---	1	4	1	1	---	1	---	1	1	1						
Brine	1	1	1	1	1	1	---	1	1	1	2	4	4	1	---	1	---	1	1	1						
Bromine-Anhydrous	4	4	4	4	4	---	---	4	4	---	4	4	2	4	---	2	---	1	1	1						
Bromine Trifluoride	4	4	4	4	4	4	4	4	4	---	4	4	4	4	---	4	---	4	4	1						
Bromine Water	4	4	3	2	4	3	---	4	1	---	4	4	2	4	---	2	---	1	1	1						
Bromobenzene	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	1	---	1	1	1						
Bunker Oil	4	4	4	4	1	1	---	4	4	---	2	1	1	2	1	1	---	1	1	1						
Butadiene	4	4	4	3	4	---	4	4	3	---	4	4	3	4	---	2	---	1	1	1						
Butane	4	4	4	4	1	1	1	1	2	---	1	1	1	4	1	1	---	1	1	1						
Butter (Animal Fat)	4	4	2	1	1	1	1	2	2	---	1	1	4	2	1	1	---	1	1	1						
Butyl Acetate	4	4	3	3	4	---	4	4	4	4	4	4	3	4	---	4	4	4	4	1						
Butyl Acetyl Ricinoleate	4	4	1	1	3	2	---	2	2	---	4	---	---	---	---	2	---	1	1	1						
Butyl Acrylate	4	4	4	4	4	4	---	4	4	2	---	4	2	---	---	4	---	4	4	1						
Butyl Alcohol	1	1	2	2	1	1	---	1	1	1	4	4	2	2	4	2	1	1	1	1						
Butyl Amine	4	4	3	2	3	3	---	4	4	3	4	4	4	4	---	4	---	4	4	1						
Butyl Benzoate	3	2	2	2	4	---	---	4	4	---	---	4	4	---	---	1	---	1	1	1						
Butyl Carbitol	4	4	1	1	4	4	---	3	2	1	---	4	4	4	4	---	3	2	1	1						
Butyl Cellosolve	4	4	1	1	3	3	---	3	2	1	4	4	---	---	4	4	---	4	4	1						
Butyl Oleate	4	4	2	2	4	4	---	4	4	---	---	---	---	---	---	2	---	1	1	1						
Butyl Stearate	4	4	3	3	2	2	---	4	4	4	---	---	1	---	---	2	1	1	1	1						
Butylene	4	4	4	4	2	4	---	3	4	---	4	4	2	4	---	2	---	1	1	1						
Butyraldehyde	4	4	2	2	4	---	---	3	4	4	4	4	3	4	---	4	---	4	4	1						
Calcium Acetate (aq)	1	4	1	1	2	2	---	2	2	1	4	4	4	4	---	4	1	4	4	1						
Calcium Bisulfite (aq)	4	4	4	4	4	1	---	1	1	---	1	4	4	1	---	1	---	1	1	1						
Calcium Chloride (aq)	1	1	1	1	1	1	1	1	1	---	1	1	1	1	---	1	1	1	1	1						
Calcium Hydroxide (aq)	1	1	1	1	1	1	1	1	1	1	1	4	4	1	---	1	1	1	1	1						

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Calcium Hypochlorite (aq)	3	3	1	1	2	2	2	3	1	1	4	4	4	2	---	2	1	1	1	1	
Calcium Nitrate (aq)	1	1	1	1	1	1	1	1	1	1	1	1	1	2	---	1	1	1	1	1	
Calcium Sulfide (aq)	2	2	1	1	1	1	2	1	1	1	4	4	2	---	1	1	1	1	1		
Cane Sugar Liquors Carbamate	1	1	1	1	1	---	1	1	1	---	4	4	4	1	---	1	---	1	1	1	
Carbitol	4	4	2	2	3	---	---	2	2	---	4	4	2	---	---	1	---	1	1	1	
Carbitol	2	2	2	2	2	---	---	2	2	1	4	4	2	2	4	2	---	2	2	1	
Carbolic Acid (Phenol)	4	4	2	2	4	4	---	3	4	1	3	4	4	4	---	1	---	1	1	1	
Carbon Bisulfide	4	4	4	4	3	4	4	4	4	---	---	3	3	4	---	1	1	1	1	1	
Carbon Dioxide	2	2	2	2	1	1	1	2	2	---	1	---	2	2	---	1	---	1	1	1	
Carbonic Acid	1	2	1	1	2	1	1	1	1	---	1	1	1	1	---	1	---	1	1	1	
Carbon Monoxide	2	2	1	1	1	1	1	2	2	---	1	---	1	1	---	2	---	1	1	1	
Carbon Tetrachloride	4	4	4	4	3	2	4	4	4	3	4	4	3	4	---	3	4	1	1	1	
Castor Oil	1	1	2	2	1	1	1	1	2	1	1	1	3	1	1	1	1	1	1	1	
Cellosolve	4	4	2	2	4	---	---	4	4	---	4	4	2	4	4	4	---	3	4	1	
Cellosolve Acetate	4	4	2	2	4	4	---	4	4	---	4	4	2	4	4	4	---	4	4	1	
Cellulube (Fryquel)	4	4	1	1	4	4	---	4	4	---	4	4	4	1	---	3	---	1	1	1	
China Wood Oil (Tung Oil)	4	4	3	3	1	1	---	2	3	---	3	---	2	4	---	2	---	1	1	1	
Chlorine (Dry)	4	4	4	4	4	3	2	3	2	---	4	4	4	4	---	1	---	1	1	1	
Chlorine (Wet)	4	4	3	3	4	3	2	3	3	---	4	4	3	4	---	2	---	2	1	1	
Chlorine Dioxide	4	4	3	3	4	4	---	4	3	---	4	4	4	---	---	2	---	1	1	1	
Chlorine Trifluoride	4	4	4	4	4	4	4	4	4	---	4	4	4	4	---	3	---	4	4	1	
Chloroacetic Acid	4	4	2	1	4	4	---	4	1	---	4	4	4	---	---	4	---	4	3	1	
Chloroacetone	4	4	2	1	4	4	---	3	3	4	4	4	4	4	4	4	---	4	3	1	
Chlorobenzene	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	---	1	1	1	
Chlorobromomethane	4	4	2	2	4	4	---	4	4	---	4	4	4	4	---	2	---	1	1	1	
Chlorobutadiene	4	4	4	4	4	4	---	4	4	---	4	4	4	4	---	2	---	1	1	1	
Chlorododecane	4	4	4	4	4	4	---	4	4	---	4	4	4	4	---	1	---	1	1	1	
Chloroform	4	4	4	4	4	4	---	4	4	4	4	4	4	4	---	4	4	1	1	1	
O-Chloronapthalene	4	4	4	4	4	---	---	4	4	---	4	4	4	4	---	2	---	1	1	1	
1-Chloro-1-Nitro Ethane	4	4	4	4	4	---	---	4	4	---	4	4	4	4	---	4	---	4	4	1	
Chlorosulfonic Acid	4	4	4	4	4	---	---	4	4	---	4	4	4	4	---	4	1	4	4	1	
Chlorotoluene	4	4	4	4	4	4	---	4	4	4	4	4	4	4	4	2	---	1	1	1	
Chlorox (Sodium Hypochlorite NaOC1)	4	4	2	2	2	2	1	1	2	1	4	4	2	2	---	2	---	1	1	1	
Chrome Plating Solutions	4	4	2	2	4	4	---	4	4	---	4	4	4	2	---	2	---	1	1	1	
Chromic Acid	4	4	3	3	4	4	---	3	2	---	4	4	4	3	---	3	1	1	1	1	
Citric Acid	1	1	1	1	1	1	1	1	1	---	1	---	2	1	---	1	1	1	1	1	
Coal Tar (Creosote)	4	4	4	4	1	---	---	2	4	---	3	1	3	4	---	1	---	1	1	1	
Cobalt Chloride (aq)	1	1	1	1	1	1	---	1	1	---	4	4	1	2	---	1	---	1	1	1	
Cocoonut Oil	4	4	3	3	1	1	---	2	3	---	2	1	4	1	1	1	---	1	1	1	
Cod Liver Oil	4	4	1	1	1	1	---	2	2	---	1	1	4	2	1	1	---	1	1	1	
Coke Oven Gas	4	4	4	4	4	4	---	4	3	---	4	4	4	2	---	2	---	1	1	1	
Copper Acetate (aq)	1	4	1	1	2	2	---	2	2	---	4	4	4	4	---	4	---	4	4	1	
Copper Chloride (aq)	1	1	1	1	1	1	---	2	2	---	1	1	4	1	---	1	---	1	1	1	
Copper Cyanide (aq)	1	1	1	1	1	1	---	1	1	---	1	1	---	1	---	1	---	1	1	1	
Copper Sulfate (aq)	2	2	2	1	1	1	---	1	1	---	1	4	1	1	---	1	---	1	1	1	
Corn Oil	4	4	3	3	1	1	1	3	2	---	1	1	4	1	1	1	---	1	1	1	
Cottonseed Oil	4	4	3	2	1	1	1	2	2	---	1	1	1	1	1	1	1	1	1	1	
Creosote (Coal Tar)	4	4	4	4	1	1	---	2	4	---	3	1	3	4	---	1	---	1	1	1	

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Cresol	4	4	4	4	4	---	---	3	4	2	4	4	4	4	---	2	1	1	1	1		
Cresylic Acid	4	4	4	4	4	1	---	3	4	---	4	4	4	4	---	2	1	1	1	1		
Cumene	4	4	4	4	4	4	---	4	4	3	4	4	2	4	---	2	---	1	1	1		
Cyclohexane	4	4	4	4	1	1	---	3	4	3	1	1	1	4	4	2	2	1	1	1		
Cyclohexanol	4	4	4	3	3	1	---	1	2	1	---	---	2	4	4	1	---	1	1	1		
Cyclohexanone	4	4	2	2	4	4	4	4	4	4	4	4	2	4	4	2	4	4	1	1		
P-Cymene	4	4	4	4	4	---	---	4	4	4	4	4	3	4	---	2	---	1	1	1		
Decalin	4	4	4	4	4	---	---	4	4	3	---	---	2	4	---	1	---	1	1	1		
Decane	4	4	4	4	1	1	---	4	3	---	2	1	1	2	---	1	---	1	1	1		
Denatured Alcohol	1	1	1	1	1	1	1	1	1	---	4	4	1	1	4	1	---	1	1	1		
Detergent Solutions	2	2	1	1	1	1	1	2	2	---	4	4	---	1	---	1	---	1	1	1		
Developing Fluids	1	2	2	2	1	1	---	1	1	---	---	---	1	1	---	1	---	1	1	1		
Diacetone	4	4	1	1	4	---	---	4	4	2	4	4	2	4	4	4	---	4	3	1		
Diacetone Alcohol	4	4	1	1	4	4	4	2	2	3	4	4	2	2	4	4	---	4	3	1		
Dibenzyl Ether	4	4	2	2	4	4	4	3	4	---	2	---	2	---	---	---	---	4	4	1		
Dibenzyl Sebecate	4	4	2	2	4	4	---	4	4	---	2	4	2	3	4	3	---	2	1	1		
Dibromoethylbenzene (Alkazene)	4	4	4	4	4	4	---	4	4	---	4	4	3	4	4	2	---	2	1	1		
Dibutyl Amine	4	4	4	3	4	---	---	4	4	1	4	4	4	3	---	4	---	4	4	1		
Dibutyl Ether	4	4	3	3	4	4	---	3	4	2	2	3	1	4	---	3	---	3	3	1		
Dibutyl Phthalate	4	4	3	2	4	4	4	4	4	4	3	4	2	2	4	3	---	3	1	1		
Dibutyl Sebecate	4	4	2	2	4	4	3	4	4	4	4	4	2	2	4	2	---	2	1	1		
O-Dichlorobenzene	4	4	4	4	4	---	---	4	4	4	4	4	4	4	4	2	---	1	1	1		
Dichloro-Isopropyl Ether	4	4	4	3	4	4	---	4	4	---	2	3	1	4	---	3	---	3	3	1		
Dicyclohexylamine	4	4	4	4	3	3	---	4	4	---	4	4	4	---	4	---	4	4	1	1		
Diesel Oil	4	4	4	4	1	1	1	3	3	---	3	1	1	4	1	1	2	1	1	1		
Diethylamine	2	2	2	2	2	---	---	2	3	3	3	4	2	2	---	4	---	4	4	1		
Diethyl Benzene	4	4	4	4	4	---	---	4	4	4	4	---	2	4	4	3	---	1	1	1		
Diethyl Ether	4	4	4	4	4	4	---	3	3	2	1	3	1	4	---	3	---	4	4	1		
Diethylene Glycol	1	1	1	1	1	---	1	1	1	1	4	2	1	2	---	1	---	1	1	1		
Diethyl Sebecate	4	4	2	2	2	3	---	4	2	---	4	4	2	2	4	2	---	2	1	1		
Diisobutylene	4	4	4	4	2	1	---	4	4	---	4	4	1	4	---	3	---	1	1	1		
Diisopropyl Benzene	4	4	4	4	4	---	---	4	4	---	---	---	2	---	---	2	---	1	1	1		
Diisopropyl Ketone	4	4	1	1	4	---	---	4	4	---	4	4	2	4	4	4	---	4	4	1		
Diisopropylidene Acetone (Phorone)	4	4	3	3	4	---	---	4	4	---	4	4	4	4	4	4	---	4	4	1		
Dimethyl Aniline (Xylidine)	3	3	3	2	3	---	---	3	4	4	4	4	4	4	---	4	---	4	4	1		
Dimethyl Ether (Methyl Ether)	4	4	4	4	1	1	---	3	3	---	---	4	2	1	---	1	---	4	4	1		
(Monomethyl Ether)																						
Dimethyl Formamide	4	4	2	2	2	---	---	3	4	---	4	4	4	2	---	4	1	4	4	1		
Dimethyl Phthalate	4	4	2	2	4	4	---	4	4	2	---	4	2	---	4	2	---	2	1	1		
Dinitrotoluene	4	4	4	4	4	4	---	4	4	---	4	4	4	4	4	4	---	4	4	1		
Diocetyl Phthalate	4	4	2	2	3	---	4	4	4	---	4	4	2	3	4	2	2	2	1	1		
Diocetyl Sebecate	4	4	2	2	4	4	3	4	4	---	2	4	3	3	4	3	1	2	1	1		
Dioxane	4	4	2	2	4	---	---	4	4	---	4	4	4	4	---	3	4	4	4	1		
Dioxolane	4	4	3	2	4	4	---	4	4	---	4	4	4	4	---	4	---	4	4	1		
Dipentene	4	4	4	4	2	2	---	4	4	4	4	4	1	4	---	3	---	1	1	1		
Diphenyl (Biphenyl) (Phenylbenzene)	4	4	4	4	4	4	---	4	4	---	4	4	2	4	---	2	2	1	1	1		
Diphenyl Oxides	4	4	4	4	4	4	---	4	4	---	4	4	4	3	---	2	2	1	1	1		
Dowtherm Oil	4	4	4	4	4	4	4	4	4	---	3	4	4	3	---	2	---	1	1	1		

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only			4-Not Recommended			--Insufficient Data								
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM	
Dry Cleaning Fluids	4	4	4	4	3	3	---	4	4	---	4	4	4	4	---	2	---	1	1	1	
Epichlorohydrin	4	4	2	2	4	4	---	4	4	---	4	4	4	4	---	4	---	4	4	1	
Ethane	4	4	4	4	1	---	---	2	2	---	3	1	1	4	1	2	---	1	1	1	
Ethanolamine	2	2	2	2	2	---	2	2	3	1	3	4	2	2	---	4	1	4	4	1	
Ethyl Acetate	4	4	2	2	4	---	4	3	4	3	4	4	3	2	---	4	4	4	4	1	
Ethyl Acetoacetate	3	3	2	2	4	---	---	3	4	1	4	4	2	2	---	4	---	4	4	1	
Ethyl Acrylate	4	4	2	2	4	---	---	4	4	3	4	4	2	2	---	4	---	4	4	1	
Ethyl Alcohol	1	1	1	1	1	1	2	1	1	---	4	4	1	1	4	1	1	2	1	1	
Ethyl Benzene	4	4	4	4	4	---	4	4	4	4	4	4	4	4	1	2	1	1	1		
Ethyl Benzoate	1	1	1	1	4	---	---	4	4	---	4	4	2	4	---	1	3	1	1	1	
Ethyl Cellosolve	4	4	4	4	4	---	---	4	4	---	4	4	2	4	4	4	---	4	4	1	
Ethyl Cellulose	2	2	2	2	2	---	---	2	2	---	2	4	4	3	---	4	---	4	4	1	
Ethyl Chloride	4	4	4	3	1	---	2	4	4	---	2	4	4	4	---	1	---	1	1	1	
Ethyl Chlorocarbonate	4	4	3	2	4	---	---	4	4	---	4	4	4	4	---	2	---	1	1	1	
Ethyl Chloroformate	4	4	3	2	4	---	---	4	4	---	4	4	4	4	---	4	---	4	4	1	
Ethyl Ether	4	4	3	3	3	---	2	3	4	2	3	4	2	4	---	3	---	4	4	1	
Ethyl Formate	4	4	2	2	4	---	4	2	2	2	---	---	4	---	1	---	1	1	1		
Ethyl Mercaptan	4	4	4	3	4	---	4	3	2	---	---	---	4	3	---	---	2	1	1		
Ethyl Oxalate	1	1	1	1	4	---	4	3	4	1	1	4	1	4	---	2	---	1	1	1	
Ethyl Pentachlorobenzene	4	4	4	4	4	---	3	4	4	---	4	4	3	4	---	2	---	1	1	1	
Ethyl Silicate	2	2	1	1	1	---	1	1	2	1	---	---	2	---	1	---	1	1	1		
Ethylene	3	3	2	2	1	---	---	3	---	---	---	---	---	---	1	---	1	1	1		
Ethylene Chloride	4	4	3	3	4	---	---	4	4	---	4	4	2	4	---	3	---	2	1	1	
Ethylene Chlorohydrin	2	2	2	2	4	---	---	2	2	---	4	4	2	3	---	2	1	1	1		
Ethylene Diamine	1	2	1	1	1	1	1	1	2	2	4	4	4	1	---	4	---	4	4	1	
Ethylene Dichloride	4	4	3	3	4	---	4	4	4	4	4	4	4	4	---	3	2	1	1	1	
Ethylene Glycol	1	1	1	1	1	1	1	1	1	1	4	3	3	1	1	1	---	1	1	1	
Ethylene Oxide	4	4	3	3	4	---	---	4	4	---	4	4	---	4	---	4	---	4	4	1	
Ethylene Trichloride	4	4	3	3	4	4	---	4	4	---	4	4	4	4	---	3	---	1	1	1	
Fatty Acids	4	4	3	3	2	2	---	2	2	---	---	---	4	3	---	---	---	1	1	1	
Ferric Chloride (aq)	1	1	1	1	1	1	1	1	1	1	1	1	1	2	---	1	---	1	1	1	
Ferric Nitrate (aq)	1	1	1	1	1	1	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
Ferric Sulfate (aq)	1	1	1	1	1	1	1	1	1	---	1	1	1	2	---	1	---	1	1	1	
Fish Oil	4	4	4	4	1	---	---	4	---	---	---	---	---	1	---	1	---	1	1	1	
Fluorinated Cyclic Ethers	4	4	1	1	---	---	---	4	---	---	---	---	---	---	---	---	---	---	---	2	
Fluorine (Liquid)	4	4	4	4	4	---	---	4	---	---	4	4	4	4	---	---	---	2	2	1	
Fluorobenzene	4	4	4	4	4	---	---	4	---	---	4	4	---	4	4	2	---	1	1	1	
Fluoroboric Acid	1	1	1	1	1	---	---	1	1	---	---	---	2	---	---	---	---	---	---	1	
Fluorocarbon Oils	2	2	1	1	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	2	
Fluorolube	2	3	1	1	1	1	---	2	1	---	---	---	1	1	---	2	---	2	1	1	
Fluorosilicic Acid (Hydrofluosilicic Acid)	2	3	2	2	1	1	---	2	1	1	---	---	4	4	---	4	---	1	1	1	
Formaldehyde (RT)	2	2	1	1	3	2	2	2	1	1	4	4	2	2	4	4	1	4	4	1	
Formic Acid	2	1	1	1	2	---	2	1	1	1	3	---	---	2	---	3	2	3	4	1	
Freon 11	4	4	4	4	2	2	---	3	1	---	4	---	1	4	4	2	---	2	2	2	
Freon 12	2	1	2	2	1	1	1	1	1	---	1	1	1	4	---	3	---	2	2	2	
Freon 13	1	1	1	1	1	---	1	1	1	---	---	---	1	4	---	4	---	2	2	2	
Freon 21	4	4	4	4	4	---	2	4	4	---	---	---	4	4	---	---	---	4	4	1	

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only			4-Not Recommended			--Insufficient Data							
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM
Freon 22	2	1	1	1	4	---	1	1	1	---	4	2	4	4	---	4	---	4	4	2
Freon 31	2	2	1	1	4	---	---	2	2	---	---	---	3	---	---	---	---	4	4	2
Freon 32	1	1	1	1	1	---	---	1	1	---	---	---	1	---	---	---	---	4	4	2
Freon 112	4	3	4	4	2	2	---	3	2	---	---	---	1	4	---	---	---	2	2	2
Freon 113	3	2	4	3	1	1	1	1	1	---	2	---	1	4	4	4	---	3	3	2
Freon 114	1	1	1	1	1	1	1	1	1	---	1	---	1	4	---	2	---	2	2	2
Freon 115	1	1	1	1	1	---	---	1	1	---	---	---	1	---	---	---	---	2	2	2
Freon 142b	2	2	1	2	1	2	---	1	1	---	---	---	1	---	---	---	---	4	4	2
Freon 152a	1	1	1	1	1	---	---	1	3	---	---	---	1	---	---	---	---	4	4	2
Freon 218	1	1	1	1	1	---	---	1	1	---	---	---	1	---	---	---	---	2	2	2
Freon C316	1	1	1	1	1	---	---	1	1	---	---	---	1	---	---	---	---	2	2	2
Freon C318	1	1	1	1	1	1	---	1	1	---	---	---	1	---	---	---	---	2	2	2
Freon 13B1	1	1	1	1	1	---	---	1	1	---	1	---	1	4	---	---	---	2	2	2
Freon 114B2	4	3	4	4	2	---	---	3	1	---	---	---	2	4	---	---	---	2	2	2
Freon 502	1	1	1	1	2	---	---	1	---	---	---	---	---	---	---	---	---	4	4	2
Freon TF	4	3	4	4	1	1	1	1	1	---	1	---	1	4	---	---	4	2	2	2
Freon T-WD602	4	3	2	2	2	---	---	2	2	---	1	---	1	4	---	---	---	2	2	2
Freon TMC	4	4	3	3	2	---	---	3	2	---	2	---	1	3	---	---	---	2	2	2
Freon T-P35	1	1	1	1	1	---	---	1	1	---	1	---	1	1	---	---	---	2	2	2
Freon TA	3	3	2	2	1	---	---	2	1	---	1	---	1	3	---	---	---	4	4	2
Freon TC	4	3	2	2	1	---	---	1	1	---	1	---	1	4	---	---	---	2	2	2
Freon MF	4	4	4	4	1	2	---	3	2	---	3	---	1	4	---	---	---	2	2	2
Freon BF	4	4	4	4	2	2	---	3	2	---	---	---	1	4	---	---	---	2	2	2
Fuel Oil	4	4	4	4	1	1	1	2	2	---	2	---	1	4	---	1	---	1	1	1
Fumaric Acid	3	3	2	2	1	1	---	2	2	---	---	4	---	2	---	1	---	1	1	1
Furan, Furfuran	4	4	4	3	4	4	---	4	4	1	---	4	2	---	---	---	---	4	4	1
Furfural	4	4	2	2	4	4	4	3	3	1	3	4	4	4	4	---	2	4	4	1
Fyrquel (Cellulube)	4	4	1	1	4	4	---	4	4	---	4	4	4	1	---	3	---	1	1	1
Gallic Acid	1	2	2	2	2	2	---	2	2	1	4	4	---	---	1	---	---	1	1	1
Gasoline	4	4	4	4	2	1	1	3	3	3	2	4	1	4	4	1	2	1	1	1
Gelatin	1	1	1	1	1	---	1	1	1	---	4	4	4	1	---	1	---	1	1	1
Glauber's Salt (aq)	2	4	2	2	4	4	---	2	2	---	---	4	4	---	---	1	---	1	1	1
Glucose	1	1	1	1	1	1	1	1	1	---	4	---	4	1	---	1	---	1	1	1
Glue	2	2	2	1	1	---	1	1	1	---	1	---	4	1	---	1	---	1	1	1
Glycerin	1	1	1	1	1	---	1	1	1	1	1	3	2	1	---	1	1	1	1	1
Glycols	1	1	1	1	1	1	1	1	1	---	4	4	1	1	---	1	---	1	1	1
Green Sulfate Liquor	2	2	1	1	2	2	1	2	2	---	1	2	4	1	---	2	---	1	1	1
Halowax Oil	4	4	4	4	4	4	---	4	4	---	---	---	1	4	---	---	---	1	1	1
N-Hexaldehyde	4	4	2	1	4	---	---	1	3	---	2	---	2	2	---	4	---	4	4	1
Hexane	4	4	4	4	1	1	1	2	2	2	2	1	1	4	4	1	---	1	1	1
N-Hexene-1	4	4	4	4	2	2	---	2	2	1	2	1	1	4	---	1	---	1	1	1
Hexyl Alcohol	2	2	3	3	1	---	---	2	2	1	4	4	2	2	4	2	---	1	1	1
Hydrazine	1	1	1	1	2	4	---	2	2	---	4	---	4	3	---	4	---	4	4	1
Hydraulic Oil (Petroleum)	4	4	4	4	1	1	1	2	2	---	1	1	1	3	---	1	---	1	1	1
Hydrobromic Acid	1	4	1	1	4	4	---	4	1	1	4	4	2	4	---	3	---	1	1	1
Hydrobromic Acid 40%	1	4	1	1	4	---	---	2	1	1	4	4	3	4	---	3	---	1	1	1
Hydrochloric Acid (Cold) 37%	2	2	1	1	3	---	2	2	1	1	4	4	1	3	---	2	1	1	1	1

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only			4-Not Recommended			--Insufficient Data							
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM
Hydrochloric Acid (Hot) 37%	4	4	3	3	4	---	3	4	2	1	4	4	2	4	---	3	2	2	1	1
Hydrocyanic Acid	2	2	1	1	2	2	---	2	1	---	---	4	4	3	---	2	---	1	1	1
Hydrofluoric Acid (Conc.) Cold	4	4	3	3	4	---	---	4	1	1	3	4	4	4	---	4	1	1	1	1
Hydrofluoric Acid (Conc.) Hot	4	4	4	4	4	---	---	4	3	1	4	4	4	4	---	4	---	4	4	1
Hydrofluoric Acid-Anhydrous	4	4	3	3	4	---	---	4	1	1	4	4	4	4	---	4	---	4	4	1
Hydrofluosilicic Acid (Fluosilicic Acid)	2	3	2	2	1	1	---	2	1	1	---	---	4	4	---	4	---	1	1	1
Hydrogen Gas	2	1	1	1	1	---	---	1	1	---	1	2	3	3	---	3	---	1	1	1
Hydrogen Peroxide (90%)	4	4	3	2	4	2	---	4	1	1	---	4	4	2	---	2	---	2	1	1
Hydrogen Sulfide (Wet) Cold	4	4	1	1	4	1	2	2	2	---	---	4	1	3	---	3	---	4	3	1
Hydrogen Sulfide (Wet) Hot	4	4	1	1	4	4	2	3	3	---	---	4	3	3	---	3	---	4	3	1
Hydroquinone	2	4	2	2	3	4	---	4	4	---	---	4	3	---	4	2	---	2	1	1
Hypochlorous Acid	2	4	2	2	4	4	2	4	4	---	---	4	4	---	---	---	---	1	1	1
Iodine Pentafluoride	4	4	4	4	4	4	4	4	4	---	4	4	4	4	---	4	---	4	4	1
Iodoform	4	4	4	4	---	---	---	4	---	---	---	---	---	---	---	---	---	3	2	1
Isobutyl Alcohol	1	2	1	1	2	2	---	1	1	---	4	4	2	1	4	2	---	1	1	1
Isooctane	4	4	4	4	1	1	1	2	2	---	2	1	1	4	4	1	2	1	1	1
Isophorone	4	4	3	3	4	4	---	4	4	---	3	4	2	4	---	4	2	4	4	1
Isopropyl Acetate	4	4	2	2	4	4	---	4	4	---	4	4	2	4	---	4	---	4	4	1
Isopropyl Alcohol	1	2	1	1	2	2	1	2	1	---	3	4	1	1	4	2	---	1	1	1
Isopropyl Chloride	4	4	4	4	4	4	---	4	4	---	4	4	4	4	---	2	---	1	1	1
Isopropyl Ether	4	4	4	4	2	2	---	3	3	---	2	3	1	4	---	3	4	4	4	1
Kerosene	4	4	4	4	1	1	1	2	3	2	1	1	2	4	1	1	1	1	1	1
Lacquers	4	4	4	4	4	4	4	4	4	---	4	4	1	4	---	4	---	4	2	1
Lacquer Solvents	4	4	4	4	4	4	4	4	4	---	4	4	1	4	---	4	4	4	4	1
Lactic Acid (Cold)	1	1	1	1	1	---	---	1	1	---	---	4	3	1	---	1	---	1	1	1
Lactic Acid (Hot)	4	4	4	4	4	---	---	4	3	---	---	4	3	2	---	2	---	1	1	1
Lard	4	4	2	2	1	1	1	2	4	1	1	1	4	2	---	1	---	1	1	1
Lavender Oil	4	4	4	4	2	2	---	4	4	---	4	2	2	4	---	2	---	1	1	1
Lead Acetate (aq)	1	4	1	1	2	2	2	2	4	1	4	4	4	4	---	4	---	4	4	1
Lead Nitrate (aq)	1	1	1	1	1	1	---	1	1	---	---	---	4	2	---	1	---	1	1	1
Lead Sulfamate (aq)	2	2	1	1	2	---	---	1	1	---	---	4	4	2	---	1	---	1	1	1
Ligroin (Benzine) (Nitrobenzine) (Pet Ether)	4	4	4	4	1	1	---	2	3	---	2	1	1	4	---	1	---	1	1	1
Lime Bleach	1	2	1	1	1	1	---	2	2	---	---	4	4	2	---	1	---	1	1	1
Lime Sulfur	4	4	1	1	4	1	---	1	1	---	---	4	4	1	---	1	---	1	1	1
Lindol (Hydraulic Fluid)	4	4	1	1	4	1	---	4	4	---	4	4	4	3	---	3	---	2	1	1
Linoleic Acid	4	4	4	4	2	2	---	4	4	---	---	---	4	2	---	---	---	2	1	1
Linseed Oil	4	4	3	3	1	1	1	2	2	1	2	1	1	1	1	1	---	1	1	1
Liquefied Petroleum Gas	4	4	4	4	1	1	1	2	2	---	1	3	1	3	---	3	---	1	1	1
Lubricating Oils (Petroleum)	4	4	4	4	1	4	1	2	2	---	2	1	3	4	---	1	---	1	1	1
Lye	2	2	1	1	2	2	---	2	1	---	4	4	3	2	---	1	---	2	1	1
Magnesium Chloride (aq)	1	1	1	1	1	1	1	1	1	1	1	---	3	1	---	1	1	1	1	1
Magnesium Hydroxide (aq)	2	2	1	1	2	2	1	1	1	1	4	4	3	---	---	---	---	1	1	1
Magnesium Sulfate (aq)	2	2	1	1	1	---	1	1	1	1	---	4	2	1	---	1	---	1	1	1
Maleic Acid	3	3	2	2	4	4	---	3	4	---	---	4	2	---	---	---	---	1	1	1
Maleic Anhydride	3	3	2	2	4	4	---	3	4	---	---	4	---	---	---	---	---	4	3	1
Malic Acid	3	3	2	2	1	1	---	3	2	---	---	4	---	2	---	1	---	1	1	1

RATINGS	1-Minor Effect	2-Moderate Effect					3-Static Only			4-Not Recommended			--Insufficient Data			FKM Type I	FKM Type II	FFKM			
		NR IR	SBR BR	IIR EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM				FSI	TFE/P	
Elastomers																					
Mercury Chloride (aq)	1	1	1	1	1	1	1	1	1	1	---	---	---	---	---	---	---	---	1	1	1
Mercury	1	1	1	1	1	1	1	1	1	1	---	1	---	1	---	---	---	---	1	1	1
Mesityl Oxide	4	4	2	2	4	4	4	---	4	4	4	4	4	2	4	---	4	4	4	4	1
Methane	4	4	4	4	1	1	1	1	2	2	---	3	1	1	4	1	2	---	1	1	1
Methyl Acetate	3	3	1	1	4	4	4	4	2	4	1	4	4	2	4	---	4	---	4	4	1
Methyl Acrylate	4	4	2	2	4	---	---	---	2	4	---	4	4	2	4	---	4	---	4	4	1
Methylacrylic Acid	4	4	2	2	4	---	---	---	2	4	---	4	4	---	4	---	4	---	4	4	1
Methyl Alcohol	1	1	1	1	1	1	1	2	1	1	1	4	4	2	1	4	1	1	4	1	1
Methyl Bromide	4	4	4	4	2	2	---	---	4	4	---	---	3	---	---	---	1	---	1	1	1
Methyl Butyl Ketone (Propyl Acetone)	4	4	1	1	4	4	---	---	4	4	---	4	4	2	3	4	4	---	4	4	1
Methyl Cellosolve	4	4	2	2	3	3	---	---	3	2	1	4	4	---	4	4	4	1	4	4	1
Methyl Chloride	4	4	3	3	4	4	---	---	4	4	---	4	4	3	4	---	2	---	2	1	1
Methyl Cyclopentane	4	4	4	4	4	4	---	---	4	4	---	4	4	2	4	4	2	---	1	1	1
Methylene Chloride	4	4	4	3	4	---	---	---	4	4	4	4	4	4	4	---	2	2	2	2	1
Methyl Ether (Dimethyl Ether) (Monomethyl Ether)	4	4	4	4	1	1	---	---	3	3	---	---	4	2	1	---	1	---	4	4	1
Methyl Ethyl Ketone	4	4	2	1	4	---	---	4	3	4	---	4	4	4	4	4	4	4	4	4	1
Methyl Formate	4	4	2	2	4	4	4	4	2	2	---	---	---	3	---	---	---	---	4	4	1
Methyl Isobutyl Ketone	4	4	3	2	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	1
Methyl Methacrylate	4	4	4	3	4	4	4	4	4	4	---	---	4	2	4	---	4	---	4	4	1
Methyl Oleate	4	4	2	2	4	4	---	---	4	4	---	---	---	---	---	---	2	---	2	1	1
Methyl Salicylate	3	3	2	2	4	---	---	---	4	4	---	---	---	---	---	---	---	3	2	1	1
Milk	1	1	1	1	1	1	---	---	1	1	---	4	4	2	1	---	1	---	1	1	1
Mineral Oil	4	4	3	3	1	1	1	1	2	2	---	1	1	2	2	1	1	---	1	1	1
Monochlorobenzene	4	4	4	4	4	4	4	4	4	4	---	4	4	4	4	4	2	---	1	1	1
Monomethyl Aniline	4	4	2	2	4	4	---	---	4	4	---	4	4	4	---	---	---	---	2	2	1
Monoethanol Amine	2	2	2	1	4	---	---	---	4	4	---	4	4	4	2	---	4	---	4	4	1
Monomethyl Ether (Methyl Ether) (Dimethyl Ether)	4	4	4	4	1	---	---	---	3	2	---	---	4	2	1	---	1	---	4	4	1
Monovinyl Acetylene	2	2	2	2	1	---	---	---	2	2	---	---	---	3	2	---	---	---	1	1	1
Mustard Gas	1	2	1	1	---	---	---	---	1	1	---	---	---	---	1	---	---	---	1	1	1
Naphtha	4	4	4	4	2	2	1	3	4	1	2	2	2	4	---	2	---	1	1	1	
Naphthalene	4	4	4	4	4	4	---	---	4	4	---	2	---	2	4	---	1	1	1	1	
Naphthalenic Acid	4	4	4	4	4	2	---	---	4	4	---	---	---	2	4	---	1	2	1	1	1
Natural Gas	2	2	4	4	1	1	1	1	1	1	---	2	2	2	1	---	3	---	1	1	1
Neats Foot Oil	4	4	2	2	1	1	---	---	4	4	---	1	1	2	2	---	1	---	1	1	1
Neville Acid	4	4	2	2	4	4	---	---	4	4	---	---	4	1	4	---	2	---	1	1	1
Nickel Acetate (aq)	1	4	1	1	2	2	---	---	2	4	---	4	4	4	4	---	4	---	4	4	1
Nickel Chloride (aq)	1	1	1	1	1	1	---	---	1	1	1	3	3	1	1	---	1	---	1	1	1
Nickel Sulfate (aq)	2	2	1	1	1	1	---	---	1	1	1	3	4	3	1	---	1	---	1	1	1
Niter Cake	1	1	1	1	1	1	---	---	1	1	---	1	4	3	1	---	1	---	1	1	1
Nitric Acid (Conc.)	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	3	2	2	1	1
Nitric Acid (Dilute)	4	4	2	2	4	---	---	4	2	1	1	3	4	4	2	4	2	2	1	1	1
Nitric Acid-Red Fuming	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	3	2	2
Nitrobenzene	4	4	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4	1	2	1	1
Nitrobenzene (Petroleum Ether)	4	4	4	4	1	1	---	---	2	3	3	2	1	1	4	---	1	---	1	1	1
Nitroethane	2	2	2	2	4	---	---	---	3	2	1	4	4	---	4	---	4	2	4	4	1
Nitrogen	1	1	1	1	1	1	---	---	1	1	1	---	1	1	1	1	---	1	---	1	1

RATINGS	1-Minor Effect	2-Moderate Effect					3-Static Only			4-Not Recommended			--Insufficient Data			FKM Type I	FKM Type II	FFKM		
		NR IR	SBR BR	IIR EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM				FSI	TFE/P
Nitrogen Tetroxide	4	4	3	3	4	4	---	4	4	---	4	4	4	4	---	4	---	4	4	2
Nitromethane	2	2	2	2	4	4	---	2	3	---	4	4	3	4	---	4	---	4	4	1
Octachlorotoluene	4	4	4	4	4	---	---	4	4	---	4	4	4	4	4	2	---	1	1	1
Octadecane	4	4	4	4	1	4	---	2	2	---	1	2	1	4	---	1	---	1	1	1
N-Octane	4	4	4	4	2	---	---	2	2	1	4	4	2	4	4	2	---	1	1	1
Octyl Alcohol	2	2	3	3	2	2	---	1	2	1	4	4	2	2	4	2	---	1	1	1
Oleic Acid	4	4	4	4	3	1	1	3	3	1	2	4	3	4	---	---	1	2	2	1
Oleum Spirits	4	4	4	4	2	2	---	3	2	---	3	---	---	4	---	2	---	1	1	1
Olive Oil	4	4	2	2	1	1	1	2	2	---	1	1	4	3	---	1	---	1	1	1
O-Dichlorobenzene	4	4	4	4	4	---	---	4	4	4	4	4	4	4	4	2	---	1	1	1
Oxalic Acid	2	2	1	1	2	2	3	2	2	1	---	---	4	2	---	1	---	1	1	1
Oxygen-Cold	2	2	1	1	2	4	2	1	1	1	1	2	2	1	---	1	---	1	1	1
Oxygen-(200-400°F)	4	4	4	3	4	4	4	4	4	---	4	4	4	2	---	4	---	2	1	1
Ozone	4	4	2	1	4	4	1	3	1	1	1	2	1	1	1	2	---	1	1	1
Paint Thinner, Duco	4	4	4	4	4	4	---	4	4	---	4	4	2	4	---	2	---	2	1	1
Palmitic Acid	2	2	2	2	1	1	2	2	3	2	1	---	4	4	---	1	---	1	1	1
Peanut Oil	4	4	3	3	1	---	1	3	2	---	2	1	4	1	---	1	---	1	1	1
Perchloric Acid	4	4	2	2	4	---	3	2	2	---	4	4	3	4	---	1	---	1	1	1
Perchloroethylene	4	4	4	4	2	---	2	4	4	4	4	4	2	4	---	2	---	1	1	1
Petroleum-Below 250°F	4	4	4	4	1	---	1	2	2	2	2	2	4	2	---	2	---	1	1	1
Petroleum-Above 250°F	4	4	4	4	4	---	2	2	4	4	4	4	4	4	---	4	---	2	1	1
Phenol (Carbolic Acid)	4	---	2	2	4	4	---	3	2	1	3	4	4	4	---	1	1	1	1	1
Phenylbenzene (Biphenyl) (Diphenyl)	4	4	4	4	4	4	---	4	4	---	4	4	2	4	4	2	---	1	1	1
Phenyl Ethyl Ether	4	4	4	4	4	4	---	4	4	---	4	4	2	4	---	4	---	4	4	1
Phenyl Hydrazine	1	2	2	2	4	---	---	4	4	---	---	4	4	---	---	---	---	2	1	1
Phorone (Diisopropylidene Acetone)	4	4	3	3	4	4	---	4	4	---	4	4	4	4	---	4	---	4	4	1
Phosphoric Acid-20%	2	2	2	1	2	---	---	2	1	1	1	---	4	2	---	2	---	1	1	1
Phosphoric Acid-45%	3	3	2	1	4	---	---	2	2	1	1	---	4	3	---	2	1	1	1	1
Phosphorus Trichloride	4	4	1	1	4	4	---	4	4	---	---	---	---	---	---	1	---	1	1	1
Pickling Solution	4	4	3	3	4	---	4	4	2	---	4	4	4	4	---	4	---	2	1	1
Picric Acid	2	2	2	2	2	---	---	1	2	---	2	---	4	4	---	2	---	1	1	1
Pinene	4	4	4	4	2	---	---	3	3	3	2	4	2	4	---	2	---	1	1	1
Pine Oil	4	4	4	4	4	---	2	4	4	2	---	---	2	4	---	1	1	1	1	1
Piperidine	4	4	4	4	4	---	---	4	4	---	4	4	4	4	---	4	---	4	4	1
Plating Solution-Chrome	4	4	1	1	---	4	---	4	4	---	---	---	4	4	---	---	---	1	1	1
Plating Solution-Others	4	4	1	1	1	1	---	4	1	---	---	---	4	---	---	---	---	1	1	1
Polyvinyl Acetate Emulsion	2	4	1	1	---	---	---	2	2	---	---	---	---	---	---	---	---	---	---	1
Potassium Acetate (aq)	1	4	1	1	2	---	---	2	1	1	4	4	4	4	---	4	1	4	4	1
Potassium Chloride (aq)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	---	1	1	1	1	1
Potassium Cupro Cyanide (aq)	1	1	1	1	1	1	---	1	1	---	1	1	1	1	---	1	---	1	1	1
Potassium Cyanide (aq)	1	1	1	1	1	1	1	1	1	---	1	1	1	1	---	1	---	1	1	1
Potassium Dichromate (aq)	2	2	1	1	1	1	---	1	1	1	2	1	1	1	---	1	---	1	1	1
Potassium Hydroxide (aq)	2	2	1	1	2	2	1	2	1	1	4	4	2	3	---	3	1	4	4	1
Potassium Nitrate (aq)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	---	1	1	1	1	1
Potassium Sulfate (aq)	2	1	1	1	1	1	1	1	2	1	1	4	2	1	---	1	---	1	1	1
Producer Gas	4	4	4	4	1	---	---	2	2	---	1	2	4	2	---	2	---	1	1	1
Propane	4	4	4	4	1	1	1	2	2	---	3	1	1	4	1	2	---	1	1	1
i-Propyl Acetate	4	4	2	2	4	---	4	4	4	3	4	4	2	4	---	4	---	4	4	1

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only		4-Not Recommended			--Insufficient Data									
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM	
n-Propyl Acetate	4	4	2	2	4	---	4	4	4	3	4	4	2	4	---	4	---	4	4	1	
Propyl Acetone (Methyl Butyl Ketone)	4	4	1	1	4	4	---	4	4	---	4	4	2	3	---	4	---	4	4	1	
Propyl Alcohol	1	1	1	1	1	1	1	1	1	1	4	4	1	1	4	1	1	1	1	1	
Propyl Nitrate	4	4	2	2	4	1	---	4	4	---	---	4	---	4	---	4	---	4	4	1	
Propylene	4	4	4	4	4	4	---	4	4	---	4	4	2	4	---	2	---	1	1	1	
Propylene Oxide	4	4	2	2	4	4	---	4	4	---	4	4	---	4	---	4	---	4	4	1	
Pydraul, 10E, 29 ELT	4	4	1	1	4	4	4	4	4	---	4	4	---	4	---	4	---	1	1	1	
Pydraul, 30E, 50E, 65E, 90E	4	4	1	1	4	4	4	4	4	---	4	4	---	1	---	1	---	1	1	1	
Pydraul, 115E	4	4	1	1	4	4	4	4	4	---	4	4	---	4	---	3	---	1	1	1	
Pydraul, 230E, 312C, 540C	4	4	4	4	4	4	4	4	4	---	4	4	---	4	---	4	---	1	1	1	
Pyranol, Transformer Oil	4	4	4	4	1	1	4	2	3	---	2	1	4	4	---	1	---	1	1	1	
Pyridine	4	4	2	2	4	4	4	4	4	---	---	4	4	4	---	4	---	4	4	1	
Pyroligneous Acid	4	4	2	2	4	4	---	2	2	---	4	4	2	---	---	4	---	4	4	1	
Pyrrole	3	3	4	3	4	---	---	4	4	---	---	4	4	2	---	3	---	4	4	1	
Radiation	3	3	4	2	3	3	---	2	3	---	3	3	4	3	---	4	---	3	3	1	
Rapeseed Oil	4	4	1	1	2	2	1	2	2	---	2	2	4	4	---	1	---	1	1	1	
Red Oil (MIL-H-5606)	4	4	4	4	1	1	---	2	2	2	1	1	1	4	---	1	---	1	1	1	
RJ-1 (MIL-F-25558 B)	4	4	4	4	1	1	---	2	2	---	1	1	1	4	---	1	---	1	1	1	
RP-1 (MIL-F-25576 C)	4	4	4	4	1	1	---	2	2	---	1	1	1	4	---	1	---	1	1	1	
Sal Ammoniac	1	1	1	1	1	1	---	1	1	1	1	1	1	2	---	1	---	1	1	1	
Salicylic Acid	1	2	1	1	2	2	---	1	---	---	---	---	---	---	---	1	---	1	1	1	
Salt Water	1	1	1	1	1	1	---	2	1	---	2	4	4	1	---	1	---	1	1	1	
Sewage	2	2	2	2	1	1	---	2	1	---	4	4	4	2	---	1	---	1	1	1	
Silicate Esters	4	4	4	4	2	2	---	1	1	---	1	---	---	4	---	1	---	1	1	1	
Silicone Greases	1	1	1	1	1	1	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
Silicone Oils	1	1	1	1	1	1	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
Silver Nitrate	1	1	1	1	2	2	---	1	1	---	1	1	2	1	---	1	---	1	1	1	
Skydrol 500	4	4	2	1	4	4	4	4	4	4	4	4	4	3	4	3	2	4	4	1	
Skydrol 7000	4	4	1	1	4	4	4	4	4	---	4	4	4	3	4	3	---	2	1	1	
Soap Solutions	2	1	1	1	1	1	1	2	1	---	3	4	4	1	---	1	---	1	1	1	
Soda Ash	1	1	1	1	1	1	1	1	1	1	---	---	4	1	---	1	---	1	1	1	
Sodium Acetate (aq)	1	4	1	1	2	2	---	2	1	1	4	4	4	4	---	4	---	4	4	1	
Sodium Bicarbonate (aq) (Baking Soda)	1	1	1	1	1	1	1	1	1	---	---	3	1	---	1	---	1	1	1	1	
Sodium Bisulfite (aq)	1	2	1	1	1	1	1	1	1	1	---	4	3	1	---	1	1	1	1	1	
Sodium Borate (aq)	1	1	1	1	1	1	1	1	1	---	---	---	1	1	---	1	1	1	1	1	
Sodium Chloride (aq)	1	1	1	1	1	1	1	1	1	1	---	---	1	1	---	1	---	1	1	1	
Sodium Cyanide (aq)	1	1	1	1	1	1	1	1	1	---	---	---	1	1	---	1	---	1	1	1	
Sodium Hydroxide (aq)	1	1	1	1	2	2	2	1	1	1	4	3	1	2	---	2	1	2	1	1	
Sodium Hypochlorite (aq) (Chlorox)	4	4	2	2	2	2	1	1	1	1	4	4	2	2	---	2	1	1	1	1	
Sodium Metaphosphate (aq)	1	1	1	1	1	1	---	2	2	---	---	---	---	---	---	1	---	1	1	1	
Sodium Nitrate (aq)	2	1	1	1	2	---	1	2	1	1	---	---	---	4	---	---	1	1	1	1	
Sodium Perborate (aq)	2	2	1	1	2	2	---	2	2	---	---	---	2	2	---	1	---	1	1	1	
Sodium Peroxide (aq)	2	2	1	2	2	2	---	2	2	---	4	4	---	4	---	1	---	2	1	1	
Sodium Phosphate (aq)	1	1	1	1	1	1	---	2	1	1	1	1	---	4	---	---	1	1	1	1	
Sodium Silicate (aq)	1	1	1	1	1	1	---	1	1	1	---	---	---	---	---	---	1	1	1	1	
Sodium Sulfate (aq)	2	2	1	1	1	4	1	1	1	1	1	4	2	1	---	1	1	1	1	1	
Sodium Thiosulfate (aq)	2	2	1	1	2	---	---	1	1	1	1	4	2	1	---	1	---	1	1	1	
Soybean Oil	4	4	3	3	1	1	1	2	3	---	2	1	4	1	1	1	---	1	1	1	

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only			4-Not Recommended			--Insufficient Data								
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM	
Stannic Chloride (aq)	1	1	1	1	1	1	---	2	1	1	---	---	---	2	---	1	---	1	1	1	
Stannous Chloride (aq)	1	1	1	1	1	1	---	1	1	1	---	---	---	2	---	1	---	1	1	1	
Steam Under 300°F	4	4	2	1	4	4	---	3	4	---	4	4	4	3	4	4	1	4	2	1	
Steam Over 300°F	4	4	4	3	4	4	4	4	4	---	4	4	4	4	4	4	---	4	4	1	
Stearic Acid	2	2	2	2	2	2	2	2	2	---	1	---	---	2	---	---	1	1	1	1	
Stoddard Solvent	4	4	4	4	1	1	1	2	4	2	1	1	2	4	---	1	---	1	1	1	
Styrene	4	4	4	4	4	4	---	4	4	4	3	4	4	4	4	3	2	2	1	1	
Sucrose Solution	1	1	1	1	1	1	---	2	2	---	4	4	4	1	---	1	---	1	1	1	
Sulfite Liquors	2	2	2	2	2	---	2	2	2	---	---	4	4	4	---	2	---	1	1	1	
Sulfur	4	4	1	1	4	4	3	1	1	---	---	4	4	3	---	1	---	1	1	1	
Sulfur Chloride (aq)	4	4	4	4	3	4	---	3	2	---	---	4	4	3	---	1	---	1	1	1	
Sulfur Dioxide (Dry)	2	2	2	1	4	4	---	4	2	---	---	4	4	2	---	2	2	2	1	1	
Sulfur Dioxide (Wet)	4	4	1	1	4	4	---	2	1	---	---	4	4	2	---	2	---	2	1	1	
Sulfur Dioxide	4	4	2	1	4	4	---	4	4	---	---	4	4	2	---	2	---	2	1	1	
(Liquified Under Pressure)																					
Sulfur Hexafluoride	4	4	1	1	2	2	1	1	2	---	---	4	3	2	---	2	---	1	1	1	
Sulfur Trioxide	2	2	2	2	4	4	---	4	4	---	---	4	4	2	---	2	---	1	1	1	
Sulfuric Acid (Dilute)	3	3	2	2	3	---	2	2	1	3	2	1	4	2	3	1	1	1	1	1	
Sulfuric Acid (Conc.)	4	4	4	3	4	---	4	4	1	---	4	4	4	4	4	1	1	1	1	1	
Sulfuric Acid (20% Oleum)	4	4	4	4	4	2	4	4	4	---	4	4	4	4	4	4	1	1	1	1	
Sulfurous Acid	2	2	2	2	2	2	---	2	1	1	3	4	4	4	---	---	---	3	2	1	
Tannic Acid	1	2	1	1	1	1	---	1	1	1	1	4	1	2	---	---	---	1	1	1	
Tar, Bituminous	4	4	3	3	2	2	2	3	4	---	---	4	---	2	---	1	---	1	1	1	
Tartaric Acid	3	4	2	2	1	1	2	2	1	1	---	---	3	1	---	1	---	1	1	1	
Terpineol	4	4	3	3	2	2	---	4	4	---	2	---	1	---	1	---	1	1	1	1	
Tertiary Butyl Alcohol	2	2	2	2	2	---	---	2	2	---	4	4	2	2	4	2	1	1	1	1	
Tertiary Butyl Catechol	4	2	2	2	4	---	---	2	2	---	4	4	4	---	---	1	---	1	1	1	
Tertiary Butyl Mercaptan	4	4	4	4	4	4	---	4	4	---	4	4	4	4	---	---	---	1	1	1	
Tetrabromoethane	4	4	4	4	4	4	---	4	4	---	---	4	---	4	---	2	---	1	1	1	
Tetrabromomethane	4	4	4	4	4	---	---	4	---	---	---	---	---	4	---	2	---	1	1	1	
Tetrabutyl Titanate	2	2	2	1	2	2	---	2	1	---	---	---	---	---	---	1	---	1	1	1	
Tetrachloroethylene	4	4	4	4	4	4	---	4	4	4	4	4	3	4	---	2	4	1	1	1	
Tetraethyl Lead	4	4	4	4	2	2	---	2	4	---	---	---	---	---	---	2	---	1	1	1	
Tetrahydrofuran	4	4	3	3	4	4	---	4	4	4	3	4	1	4	4	4	---	4	4	1	
Tetralin	4	4	4	4	4	4	---	4	4	---	---	---	4	4	---	1	---	2	1	1	
Thionyl Chloride	4	4	4	3	4	---	---	4	4	---	4	4	---	---	---	---	---	2	1	1	
Titanium Tetrachloride	4	4	4	4	2	2	---	4	4	---	4	4	3	4	---	2	---	1	1	1	
Toluene	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	2	4	2	1	1	
Toluene Diisocyanate	4	4	2	2	4	4	---	4	4	---	---	4	---	4	4	4	---	4	3	1	
Transformer Oil	4	4	4	4	1	1	---	2	3	2	1	2	1	2	---	1	---	1	1	1	
Transmission Fluid Type A	4	4	4	4	1	1	1	2	2	---	1	1	1	2	1	1	---	1	1	1	
Triacetin	2	2	1	1	2	2	---	2	2	---	4	4	2	---	---	4	---	4	3	1	
Triaryl Phosphate	4	4	1	1	4	4	---	4	4	---	4	4	2	3	---	2	---	1	1	1	
Tributoxy Ethyl Phosphate	2	2	1	1	4	4	---	4	4	---	4	4	1	---	---	2	---	1	1	1	
Tributyl Mercaptan	4	4	4	4	4	---	---	4	4	---	---	4	4	4	---	3	---	1	1	1	
Tributyl Phosphate	2	4	2	2	4	4	---	4	4	4	4	4	4	4	---	4	1	4	4	1	
Trichloroacetic Acid	3	2	2	2	2	2	---	4	4	---	4	4	---	---	4	4	---	4	3	1	
Trichloroethane	4	4	4	4	4	4	---	4	4	---	4	4	4	4	---	2	---	1	1	1	

RATINGS	1-Minor Effect			2-Moderate Effect				3-Static Only			4-Not Recommended			--Insufficient Data					FKM Type I	FKM Type II	FFKM
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P				
Elastomers	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM	
Trichloroethylene	4	4	4	4	4	3	4	4	4	4	4	4	4	4	---	2	4	1	1	1	
Tricresyl Phosphate	4	1	1	4	4	4	4	3	4	2	4	4	2	3	3	2	1	1	1	1	
Triethanol Amine	2	2	2	1	2	3	---	1	2	1	4	4	4	---	2	4	1	4	4	1	
Triethyl Aluminum	4	4	3	3	4	---	---	4	4	---	4	4	---	---	---	---	---	2	1	1	
Triethyl Borane	4	4	3	3	4	---	---	4	4	---	4	4	---	---	---	---	---	1	1	1	
Trinitrotoluene	4	4	4	4	4	4	---	2	2	---	---	4	2	---	4	2	---	2	1	1	
Trioctyl Phosphate	4	4	1	1	4	---	---	4	4	---	4	4	2	3	---	2	---	2	1	1	
Tung Oil (China Wood Oil)	4	4	3	3	1	1	---	2	3	---	3	---	2	4	---	2	---	1	1	1	
Turbine Oil	4	4	4	4	2	1	1	4	4	---	1	1	1	4	---	2	---	1	1	1	
Turpentine	4	4	4	4	1	1	1	4	4	3	4	2	2	4	---	2	3	1	1	1	
Unsymmetrical Dimethyl Hydrazine (UDMH)	1	1	1	1	2	2	---	2	1	---	---	---	4	4	---	4	---	4	4	1	
Varnish	4	4	4	4	2	2	---	4	4	---	3	4	1	4	---	2	---	1	1	1	
Vegetable Oils	4	4	3	3	1	1	1	3	2	---	---	1	4	2	1	1	---	1	1	1	
Versilube F-50	1	1	1	1	1	1	1	1	1	---	1	1	2	3	---	1	---	1	1	1	
Vinegar	2	2	1	1	2	2	---	2	1	2	4	4	2	1	---	3	---	1	1	1	
Vinyl Chloride	4	4	4	4	4	---	---	4	4	---	4	4	---	---	---	---	2	1	1	1	
Wagner 21B Brake Fluid	2	1	2	1	3	3	4	2	2	---	---	---	4	3	---	4	---	4	3	1	
Water	1	1	1	1	1	1	1	1	1	---	3	4	4	1	1	1	1	1	1	1	
Whiskey, Wines	1	1	1	1	1	1	---	1	1	---	2	4	4	1	---	1	---	1	1	1	
White Pine Oil	4	4	4	4	2	---	---	4	4	---	---	---	2	4	---	1	---	1	1	1	
White Oil	4	4	4	4	1	1	---	2	4	---	1	1	1	4	---	1	---	1	1	1	
Wood Oil	4	4	4	4	1	---	---	2	3	---	3	1	2	4	---	2	---	1	1	1	
Xylene	4	4	4	4	4	4	4	4	4	4	4	4	2	4	4	1	3	1	1	1	
Xylidine (Di-methyl Aniline)	3	3	3	2	3	3	---	3	4	4	4	4	4	4	---	4	---	4	3	1	
Zeolites	1	1	1	1	1	1	---	1	1	---	---	---	---	---	---	1	---	1	1	1	
Zinc Acetate (aq)	1	4	1	1	2	2	---	2	1	---	4	4	4	4	---	4	---	4	4	1	
Zinc Chloride (aq)	1	1	1	1	1	1	---	1	1	---	1	4	3	1	---	1	1	1	1	1	
Zinc Sulfate (aq)	2	2	1	1	1	1	---	1	1	---	---	4	4	1	---	1	1	1	1	1	
TT-T-656b	4	4	1	1	4	---	4	4	4	---	4	4	4	4	---	3	---	4	---	1	
VV-B-680	3	1	2	1	2	---	2	2	2	---	3	2	3	4	---	2	---	1	1	1	
VV-G-632	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
VV-G-671c	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
VV-H-910	2	1	2	1	2	3	2	2	2	---	3	2	3	4	---	2	---	1	1	1	
VV-I-530a	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
VV-K-211d	4	4	4	4	1	---	1	3	3	---	3	---	1	4	---	1	---	1	1	1	

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only		4-Not Recommended			--Insufficient Data											
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM			
VV-K-220a	4	4	4	4	1	---	1	2	3	---	2	2	1	4	---	1	---	1	1	1			
VV-L-751b	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1			
VV-L-800	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
VV-L-820b	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
VV-L-825a Type I	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
VV-L-825a Type II	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
VV-L-825a Type III	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1			
VV-O-526	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
VV-P-216a	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
VV-P-236	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1			
51-F-23	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
ASTM Method D-471																							
1	4	4	4	4	1	1	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
2	4	4	4	4	1	1	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
3	4	4	4	4	1	1	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
MIL-L-644 B	3	3	3	3	1	---	1	3	3	---	3	2	---	3	---	---	---	---	---	1			
MIL-L-2104 B	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-L-2105 B	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-G-2108	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-S-3136 B Type I	4	4	4	4	1	1	1	2	3	---	2	2	1	4	---	1	---	1	1	1			
MIL-S-3136 B Type II	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1			
MIL-S-3136 B Type III	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1			
MIL-S-3136 B Type IV	4	4	4	4	1	1	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-S-3136 B Type V	4	4	4	4	1	1	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
MIL-S-3136 B Type VI	4	4	4	4	1	1	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
MIL-S-3136 B Type VII	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1			
MIL-L-3150 A	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-L-3503	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
MIL-L-3545-B	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1			
MIL-C-4339 C	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-G-4343 B	4	4	3	3	2	---	---	2	2	---	1	1	---	4	---	2	---	1	1	1			
MIL-L-5020 A	4	4	4	4	1	---	2	1	3	---	2	2	1	4	---	1	---	1	1	1			
MIL-J-5161 F	4	4	4	4	1	---	1	3	3	---	3	---	1	4	---	1	---	1	1	1			
MIL-C-5545 A	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1			
MIL-H-5559 A	2	1	1	1	1	---	1	2	2	---	3	3	3	2	---	2	---	2	1	1			
MIL-F-5566	1	1	1	1	1	---	2	2	2	---	2	---	1	1	---	1	---	1	1	1			
MIL-F-5602	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
MIL-H-5606 B (Red Oil)	4	4	4	4	1	1	1	2	2	2	1	1	1	4	---	1	---	1	1	1			
MIL-J-5624 G JP-3, JP-4, JP-5	4	4	4	4	1	1	1	3	3	---	3	2	1	4	---	1	---	1	1	1			
MIL-O-6081 C	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
MIL-L-6082 C	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-H-6083 C	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1			
MIL-L-6085 A	4	4	3	4	2	2	2	3	3	---	3	3	2	3	---	1	---	1	1	1			
MIL-L-6086 B	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1			
MIL-L-6387 A	4	4	3	4	1	---	2	3	3	---	2	---	2	3	---	1	---	1	1	1			
MIL-C-6529 C	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1			
MIL-F-7024 A	4	4	4	4	1	---	1	2	3	---	2	2	1	4	---	1	---	1	1	1			
MIL-H-7083 A	2	1	1	1	1	---	2	2	2	---	3	3	3	2	---	2	---	2	1	1			

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only		4-Not Recommended			--Insufficient Data									
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM	
MIL-G-7118 A	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-G-7187	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-G-7421 A	4	4	3	4	1	---	2	3	3	---	2	---	2	3	---	1	---	1	1	1	
MIL-H-7644	2	1	2	1	2	---	2	2	2	---	3	2	3	4	---	2	---	1	1	1	
MIL-L-7645	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1	
MIL-G-7711 A	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-7808 F	4	4	3	4	1	2	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-L-7870 A	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-C-8188 C	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-A-8243 B	2	1	1	1	1	---	2	2	2	---	3	3	3	2	---	2	---	2	1	1	
MIL-L-8383 B	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-H-8446 B (MLO-8515)	4	4	4	4	2	---	3	2	---	---	4	3	2	4	---	1	---	1	1	1	
MIL-1-8660 B	1	1	1	1	1	---	1	1	1	---	1	---	1	4	---	1	---	1	1	1	
MIL-L-9000 F	4	4	4	4	1	---	1	2	3	---	3	2	2	4	---	1	---	1	1	1	
MIL-T-9188 B	4	4	1	1	4	---	4	4	4	---	4	4	4	4	---	3	---	4	---	1	
MIL-L-9236 B	3	3	3	3	1	---	2	3	3	---	2	3	2	4	---	1	---	1	1	1	
MIL-L-10295 A	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-L-10324 A	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-G-10924 B	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-L-11734 B	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-O-11773	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-P-12098	2	1	2	1	2	---	2	2	2	---	3	2	3	4	---	2	---	1	1	1	
MIL-H-13862	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-H-13866 A	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-H-13910 B	2	1	2	1	2	---	2	2	2	---	3	2	3	4	---	2	---	1	1	1	
MIL-H-13919 A	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-L-14107 B	4	4	4	4	3	---	---	1	---	---	---	---	4	4	---	1	---	1	1	1	
MIL-L-15017	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-15018 B	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-15019 C	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-15719 A	3	2	2	2	2	---	2	2	2	---	4	2	4	4	---	2	---	1	1	1	
MIL-G-15793	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-F-16929 A	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-F-16958 A	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-F-17111	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-L-17331 D	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-17353 A	4	4	4	4	1	---	2	3	3	---	2	---	2	3	---	1	---	1	1	1	
MIL-L-17672 B	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-18486 A	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-G-18709 A	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-H-19457 B	4	4	1	1	4	---	4	4	4	---	4	4	4	4	---	3	---	4	---	1	
MIL-F-19605	4	4	4	4	1	---	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
MIL-L-19701	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-L-21260	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-21568 A	2	1	1	1	1	---	1	1	1	---	---	1	---	4	---	2	---	1	1	1	
MIL-H-22072	2	1	1	1	1	---	2	2	2	---	3	3	3	2	---	2	---	2	1	1	
MIL-L-22396	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-23699 A	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	

RATINGS	1-Minor Effect		2-Moderate Effect				3-Static Only			4-Not Recommended			--Insufficient Data								
	NR IR	SBR BR	IIR	EPM EPDM	NBR	HNBR	CO ECO	CR	CSM	CPE	AU EU	ACM	T	SI	AEM	FSI	TFE/P	FKM Type I	FKM Type II	FFKM	
MIL-G-23827 A	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-G-25013 D	2	1	1	1	1	---	1	2	2	---	3	2	2	4	---	2	---	1	1	1	
MIL-F-25172	4	4	4	4	1	---	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
MIL-L-25336 B	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-F-25524 A	4	4	4	4	1	---	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
MIL-G-25537 A	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-F-25558 B (RJ-1)	4	4	4	4	1	1	1	2	2	---	1	1	1	3	---	1	---	1	1	1	
MIL-F-25576 C (RP-1)	4	4	4	4	1	1	1	3	3	---	1	1	1	4	---	1	---	1	1	1	
MIL-H-25598	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-F-25656 B	4	4	4	4	1	---	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
MIL-L-25681 C	2	1	1	1	1	---	1	2	2	---	3	2	2	4	---	2	---	1	1	1	
MIL-G-25760 A	3	3	4	4	1	---	2	3	3	---	2	3	2	4	---	1	---	1	1	1	
MIL-L-25968	4	4	4	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-L-26087 A	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-G-27343	1	1	1	1	1	---	1	1	1	---	1	---	1	4	---	1	---	1	1	1	
MIL-H-27601 A	4	4	4	4	2	---	2	2	3	---	3	2	3	4	---	1	---	1	1	1	
MIL-G-27617	---	2	1	1	4	---	---	---	---	---	---	---	---	4	---	1	---	1	1	1	
MIL-I-27686 D	2	1	1	1	1	---	2	2	2	---	3	3	3	2	---	2	---	2	1	1	
MIL-L-27694 A	1	1	1	1	1	---	1	1	1	---	1	---	1	4	---	1	---	1	1	1	
MIL-L-46000 A	4	4	3	4	1	---	2	3	3	---	3	3	2	3	---	1	---	1	1	1	
MIL-H-46001 A	4	4	4	4	1	---	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
MIL-L-46002	4	4	4	4	1	---	1	1	1	---	1	---	1	3	---	1	---	1	1	1	
MIL-H-46004	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-P-46046 A	2	1	2	1	2	---	2	2	2	---	3	2	3	4	---	2	---	1	1	1	
MIL-H-81019 B	4	4	4	4	1	---	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
MIL-S-81087	1	1	1	1	1	---	1	1	1	---	1	---	2	4	---	2	---	1	1	1	
O-A-548 b	2	1	1	1	1	---	2	2	2	---	3	3	3	2	---	2	---	2	2	2	
O-T-634 b	4	4	4	4	3	---	3	4	4	---	4	4	3	4	---	2	---	1	1	1	
P-S-661 b	4	4	4	4	1	---	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
P-D-680	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
TT-N-95 a	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
TT-N-97 B	4	4	4	4	1	1	2	3	3	---	3	3	1	4	---	2	---	1	1	1	
TT-I-735 b	1	1	1	1	1	1	2	2	2	---	2	---	1	1	---	1	---	1	1	1	
TT-S-735 Type I	4	4	4	4	1	1	1	2	3	---	2	2	1	4	---	1	---	1	1	1	
TT-S-735 Type II	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
TT-S-735 Type III	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1	
TT-S-735 Type IV	4	4	4	4	1	1	1	1	1	---	1	1	1	3	---	1	---	1	1	1	
TT-S-735 Type V	4	4	4	4	1	1	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
TT-S-735 Type VI	4	4	4	4	1	1	1	2	2	---	2	1	1	3	---	1	---	1	1	1	
TT-S-735 Type VII	4	4	4	4	1	1	1	3	3	---	3	---	1	4	---	1	---	1	1	1	