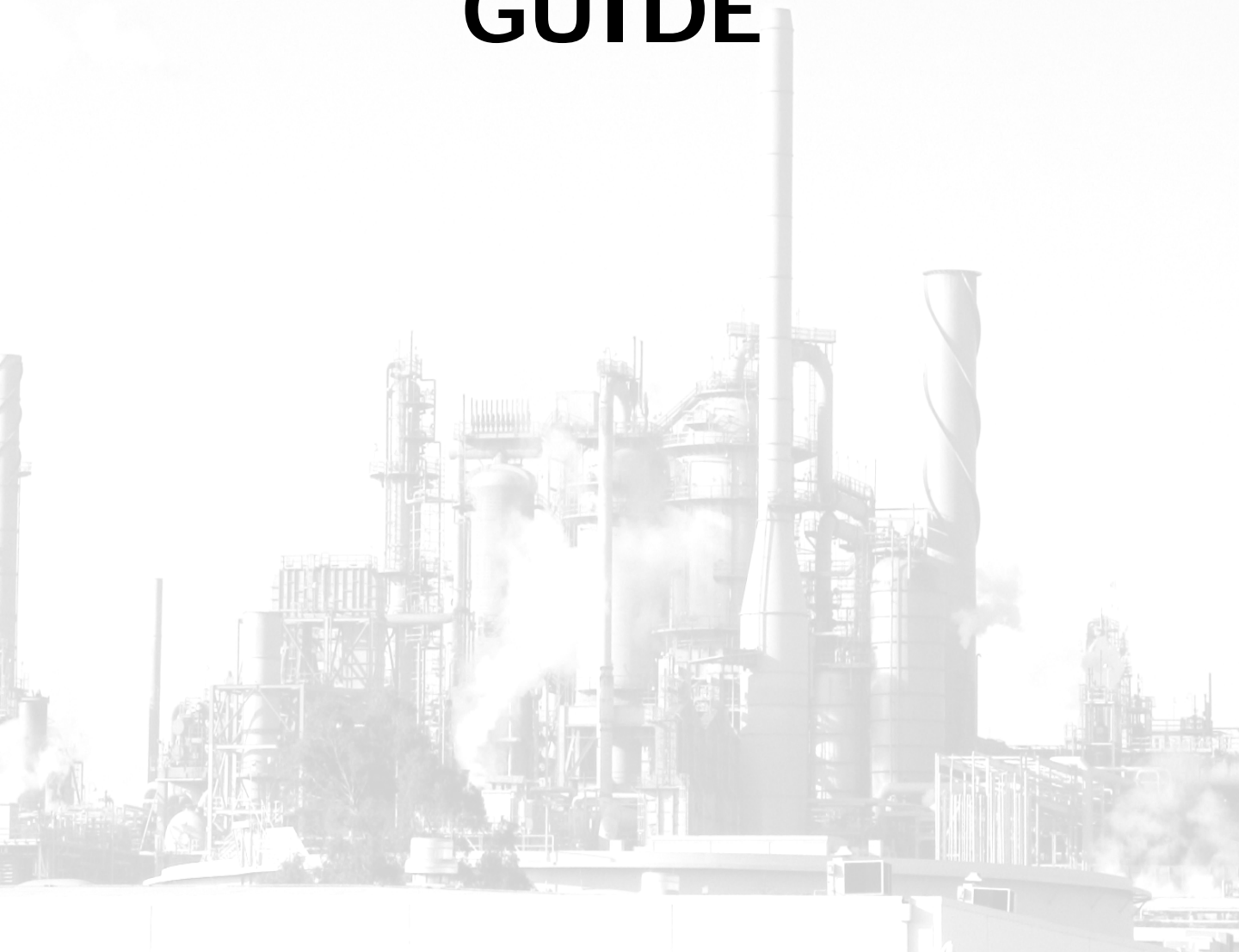


CHEMICAL RESISTANCE GUIDE



BUCHANAN RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE								COUPLINGS					GASKETS				
		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM					
																									PVC TEMPERATURE (F)	FKM	NATURAL	HYPALON	BUTYL
Acetaldehyde	100	70	B	X	X	X	X	A	A	X	X	X	A	A	A	B	X	X	A	A	A	A	S			E			
Acetic Acid, Conc.	100	70	A	I	A	X	X	A	A	X	B	I	A	A	A	B	X	X	I	I	T				E				
Acetic Acid, Dilute 10	150	70	B	I	A	X	X	A	A	B	A	I	A	A	A	B	X	X	I	I	T	V			E				
Acetic Acid, Glacial	100	70	A	X	B	X	X	A	A	X	B	X	A	A	A	B	X	X	I	I	T	S			E				
Acetic Aldehyde	100	70	A	I	B	X	X	A	A	I	X	X	A	A	A	B	X	X	I	I	T				E				
Acetic Anhydride	100	70	B	X	A	B	X	A	A	X	X	X	A	A	A	B	X	X	I	I	T	S			E				
Acetic Ester	100	70	B	I	B	X	X	A	A	X	X	B	I	A	A	A	A	A	I	I	T		V		E				
Acetic Ether	100	70	B	I	A	B	X	A	A	X	X	I	A	A	A	B	X	X	I	I	T			E					
Acetic Oxide	100	70	B	I	A	A	X	A	A	X	X	I	A	A	A	B	X	X	I	I	T			E					
Acetone	100	70	A	A	A	X	X	A	A	X	X	I	A	A	A	B	X	X	I	I	T			E					
Acetone Cyanohydrin	100	70	B	I	A	X	X	A	A	X	X	I	A	A	A	B	X	X	I	I	T	S			E				
Acetyl Acetone	100	70	B	X	B	X	X	I	A	X	X	I	A	A	A	B	X	X	I	I	T				E				
Acetyl Chloride	100	70	B	X	X	X	X	B	B	X	I	X	B	B	B	X	X	X	I	I	T	V			E				
Acetyl Oxide	100	70	B	I	A	B	X	A	A	I	I	I	A	A	B	X	X	I	I	T					E				
Acetylene (dry)	100	70	A	I	A	A	A	A	A	I	I	I	A	A	A	B	X	X	I	I	T	S			E				
Acetylene Dichloride	100	70	B	I	X	X	X	I	A	I	X	X	I	A	A	I	A	X	I	I	T	V			E				
Acetylene Tetrachloride	100	70	B	I	X	X	X	I	A	I	X	I	A	A	A	X	X	I	I	T	V				E				
Acrolein	100	70	B	I	A	B	X	A	B	I	I	I	A	A	I	I	I	I	I	I	T				E				
Acrylic Acid	100	70	B	I	X	X	X	X	X	I	I	I	X	A	A	I	A	I	I	I	T	V			E				
Acrylonitrile	100	70	B	X	X	X	X	X	X	A	A	I	A	A	A	X	I	I	I	I	T				E				
Alk-Tri	100	70	I	I	X	X	X	I	A	I	I	I	A	A	I	A	I	I	I	I	T				E				
Allyl Alcohol	100	70	A	A	A	A	A	A	A	X	X	X	A	A	A	I	A	I	I	I	T	V			E				
Allyl Bromide	100	70	B	X	X	X	X	I	B	X	X	I	A	A	I	A	I	I	I	I	T				E				
Allyl Chloride	100	70	B	X	X	X	X	X	B	X	X	I	A	A	X	X	X	I	I	T	S				E				
Alum	150	70	A	I	A	A	A	A	A	A	A	B	I	A	A	I	X	X	I	I	T	S			E				
Aluminum Acetate	100	70	A	B	A	A	X	A	A	I	I	I	A	A	I	A	I	X	I	I	T	S			E				
Aluminum Chloride	150	70	A	A	A	A	A	A	A	A	A	B	A	A	X	I	X	X	A	A	T	V			E				
Aluminum Formate	100	70	A	I	B	X	X	I	A	I	I	I	A	A	I	I	X	I	I	I	T				E				
Aluminum Hydroxide	150	70	A	A	A	B	X	B	A	A	A	I	A	A	A	I	X	X	A	A	T	S			E				
Aluminum Sulfate	150	70	A	A	A	A	A	A	A	A	B	A	B	B	B	X	X	A	A	A	T	S			E				
Aminoethanol	100	70	A	I	A	B	I	B	I	A	I	I	A	A	I	A	B	I	I	I	T				E				
Aminoethyl ethanolamine	100	70	A	I	A	B	I	B	I	A	I	I	A	A	I	I	I	I	I	I	T				E				
Ammonia Cupric Sulfate	150	70	A	I	A	A	X	A	A	A	I	I	A	A	A	X	X	A	A	A	T	V			E				
Ammonium Chloride	150	70	A	A	A	A	A	A	A	A	A	B	A	A	A	X	X	A	A	A	T	V			E				
Ammonium Hydroxide	150	70	A	A	A	B	X	X	A	B	B	B	A	A	X	X	I	A	A	A	T	S			E				
Ammonium Nitrate (ANFO)	N/R																									E			
Ammonium Phosphate	150	70	A	A	A	A	A	A	A	I	I	B	I	A	X	X	X	A	A	A	T	S			E				
Ammonium Sulfate	150	70	A	A	A	A	A	A	A	A	A	B	X	A	X	X	X	A	A	A	T	S			E				
Ammonium Sulfide	150	70	A	A	A	A	A	A	A	A	A	I	A	A	X	X	X	I	I	I	T	V			E				
Ammonium Sulfite	150	70	A	A	A	A	A	A	A	A	A	I	A	A	X	X	X	I	I	I	T	V			E				
Ammonium Thiosulfate	100	70	A	A	A	A	A	A	A	A	A	I	A	A	A	B	X	I	I	I	T	V			E				
Amyl Acetate	100	70	A	X	A	B	X	X	A	X	X	X	A	A	I	A	A	I	I	I	T				E				
Amyl Alcohol	100	70	A	A	A	A	A	A	A	A	B	X	A	A	I	A	A	I	A	A	T	S			E				
Amyl Alcohol	100	70	A	A	A	A	A	A	A	A	B	X	A	A	I	A	A	I	A	A	T	S			E				

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Chemical	HOSE TEMPERATURE (F)		HOSE AND SHEET RUBBER													THERMOPLASTIC HOSE						COUPLINGS						GASKETS					
	PVC TEMPERATURE (F)		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM								
	150	70	A	A	A	A	A	A	A	A	A	A	A	B	I	A	X	I	X	A	T	S	V	B	E								
Brine	100	70	X	X	X	X	B	X	X	X	X	X	X	X	I	X	X	X	X	T		V											
Bromine	100	70	B	I	X	X	B	X	X	X	X	X	X	X	I	I	I	I	I	T		V											
Bromo Benzene	100	70	X	X	X	X	B	X	X	X	X	X	X	X	I	I	I	I	I	T													
Bromo Toluene	100	70	X	X	X	X	B	X	X	X	X	X	X	X	I	I	I	I	I	T													
Bromochloromethane	100	70	X	X	X	X	B	X	X	X	X	X	X	X	I	I	I	I	I	T													
Bunker C	100	70	B	I	X	X	A	A	X	A	I	I	I	I	A	I	X	X	I	T		V	B										
Bunker Oil	100	70	B	X	X	X	A	A	X	A	I	I	I	I	A	I	I	I	I	T		V	B										
Butanol	100	70	A	I	A	A	B	A	A	A	I	X	B	B	A	I	I	I	I	T			B	E									
Butyl (Normal) Alcohol	100	70	A	I	A	A	B	A	A	A	I	X	B	B	A	I	I	I	I	T			B	E									
Butyl (Secondary) Alcohol	100	70	A	I	A	A	B	A	A	A	I	X	B	B	A	I	I	I	I	T			B	E									
Butyl Acetate	100	70	A	X	A	B	X	X	B	A	X	X	X	X	A	B	I	I	I	T													
Butyl Acetoacetate	100	70	A	I	X	X	X	X	I	A	I	X	X	X	I	I	I	I	I	T													
Butyl Acrylate	100	70	B	X	X	X	X	X	X	B	I	X	X	X	I	I	I	I	I	T													
Butyl Alcohol	100	70	A	I	A	A	B	A	A	A	I	X	B	B	A	I	I	I	I	T			B	E									
Butyl Aldehyde	100	70	A	I	B	X	X	X	X	A	I	I	I	I	X	A	X	X	I	T													
Butyl Amine	100	70	A	I	B	X	X	X	X	A	I	I	I	I	A	A	I	I	I	T													
Butyl Benzene	100	70	A	X	X	X	X	X	X	A	I	X	X	X	I	I	I	I	I	T		V											
Butyl Benzl Phthalate	100	70	A	I	A	X	X	X	X	I	I	X	X	X	I	I	I	I	I	T													
Butyl Bromide	100	70	B	X	X	X	B	X	X	B	I	X	X	X	I	I	I	I	I	T													
Butyl Butyrate	100	70	B	X	X	X	X	X	I	B	I	X	X	X	I	I	I	I	I	T		V											
Butyl Carbitol	100	70	A	X	A	A	X	I	B	A	I	I	I	I	I	I	I	I	I	T													
Butyl Cellulosolve	100	70	A	X	A	A	X	X	A	X	I	I	I	I	A	A	X	X	I	T				E									
Butyl Chloride	100	70	B	X	X	X	X	X	A	B	I	X	X	X	B	I	I	I	I	T		V											
Butyl Ether	100	70	A	X	X	B	X	X	X	A	I	I	I	I	A	I	I	I	I	T													
Butyl Ethyl Acetaldehyde	100	70	A	X	B	X	X	X	X	B	I	I	I	I	A	I	I	I	I	T													
Butyl Ethyl Ether	100	70	A	X	X	B	X	X	X	B	I	I	I	I	A	I	I	I	I	T													
Butyl Phthalate	100	70	A	X	A	X	X	X	I	B	I	X	X	X	A	A	I	I	I	T													
Butyl Stearate	100	70	A	X	X	X	X	X	I	A	I	I	I	I	A	A	A	A	I	T	S		B	E									
Butyrate	100	70	A	I	I	I	I	I	A	A	I	I	I	I	I	I	I	I	I	T				E									
Butyraldehyde	100	70	A	X	B	X	X	X	X	A	I	X	X	X	A	B	I	X	X	T													
Butyric Acid	100	70	A	X	X	B	X	X	X	B	I	X	X	X	A	B	I	X	X	T													
Butyric Anhydride	100	70	A	X	X	B	X	X	X	B	I	X	X	X	A	B	I	X	X	T													
Cadmium Acetate	100	70	A	I	A	A	X	X	I	A	I	A	I	I	I	I	I	I	I	T													
Calcium Acetate	100	70	A	X	A	A	X	X	X	A	I	A	I	I	I	I	I	I	I	T			B	E									
Calcium Aluminate	100	70	A	I	A	A	A	A	A	A	I	A	I	I	I	I	I	I	I	T		V	B	E									
Calcium Bichromate	150	70	X	I	A	X	I	I	I	X	I	A	I	I	I	I	I	I	I	T													
Calcium Bisulfate	150	70	A	A	A	A	A	A	A	A	I	A	I	I	X	A	X	X	X	T		V	B	E									
Calcium Bisulfite	150	70	A	A	A	A	A	A	A	A	I	A	I	I	A	A	X	X	X	T	S	V	B	E									
Calcium Carbonate	150	70	A	A	A	A	A	A	A	A	I	A	I	I	A	A	X	X	X	T	S	V	B	E									
Calcium Chloride	150	70	A	A	A	A	A	A	A	A	I	A	I	I	A	B	X	X	X	T	S	V	B	E									
Calcium Chloride (Caustic Lime)	100	70	A	I	A	B	A	A	A	A	I	A	I	I	A	X	X	X	X	T	S	V	B	E									
Calcium Hydroxide (Caustic Lime)	100	70	B	X	B	X	B	X	B	X	A	A	I	I	A	X	X	X	X	T	S	V	B	E									
Calcium Hypochlorite	150	70	A	A	A	A	A	A	A	A	I	A	I	I	I	B	X	X	X	T		V	B	E									
Calcium Nitrate	150	70	A	A	A	A	A	A	A	A	I	A	I	I	I	I	X	X	X	T		V	B	E									
Calcium Silicate	150	70	A	I	A	A	A	A	A	A	I	A	I	I	I	I	A	I	I	T		V	B	E									

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Chemical	HOSE TEMPERATURE (F)	HOSE AND SHEET RUBBER												THERMOPLASTIC HOSE					COUPLINGS							GASKETS				
		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM						
Calcium Sulfate	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	A	T	S	V	B	E							
Calcium Sulphhydrate	100 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T	T	V	B	E							
Calcium Sulfide	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	I	T	T	V	B	E							
Calcium Sulfite	150 70	A	A	A	A	X	A	A	A	A	A	A	B	B	B	X	X	I	T	S	V	B	E							
Caprylic Acid	100 70	A	I	X	B	X	I	X	I	A	I	I	I	I	I	X	X	I	T	T										
Carbital	100 70	X	A	A	A	X	I	X	A	A	A	I	B	B	A	X	X	I	T	T										
Carbitol Acetate	100 70	X	X	B	B	I	I	A	I	A	I	I	I	I	I	I	I	I	T	T										
Carbolic Acid, Phenol	100 70	A	A	X	X	X	X	X	X	X	X	X	A	A	B	A	A	I	T	T	V	B	E							
Carbon Dioxide	100 70	A	A	A	A	A	A	A	A	A	A	B	I	A	B	I	I	I	T	S	V	B	E							
Carbon Disulfide	N/R											↑	B	B	A	X	A	X	T		V									
Carbon Tetrachloride	100 70	B	X	X	X	X	X	X	A	X	X	X	A	A	A	I	A	A	T	T	V									
Carbonic Acid	100 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	X	T	S	V	B	E							
Casinghead Gasoline	100 70	B	I	X	X	X	A	X	B	I	X	X	I	I	I	I	I	I	T	T	V	B	E							
Castor Oil (Castor Oil)	100 70	A	A	A	A	X	A	A	A	A	I	I	I	A	A	I	X	A	T	S	V	B	E							
Cauetic Potash	150 70	A	A	A	B	A	X	B	A	A	A	A	A	A	X	X	A	A	T	T										
Cauetic Soda	150 70	A	A	A	B	A	X	B	A	A	A	A	A	A	X	X	A	A	T	S										
Cellulose	100 70	A	I	A	X	X	I	X	I	A	I	I	I	I	I	I	I	I	T	T										
Cellosolve	100 70	A	X	A	A	X	X	A	A	A	I	I	I	A	A	X	X	I	T	T										
Cellosolve Acetate	100 70	A	I	B	B	X	X	X	B	A	I	I	I	A	A	X	X	I	T	T										
Chloracetic Acid	100 70	A	I	X	X	B	X	X	X	A	I	I	X	A	X	X	X	X	T	T										
Chlorinated Solvents	100 70	B	I	X	X	X	X	X	X	A	I	I	I	B	X	X	A	I	T	T	V									
Chlorine (Dry) (Gas)	N/R																						↑							
Chlorine (Wet)	100 70	B	I	X	X	X	B	X	X	X	X	B	I	X	X	X	I	I	T	T	V									
Chloroacetone	100 70	A	X	I	X	X	X	X	A	I	X	I	I	A	X	X	I	I	T	T										
Chlorobenzene	100 70	B	X	X	X	X	X	X	A	X	X	X	I	A	B	I	I	I	T	T	V									
Chlorobenzol	100 70	A	X	X	X	A	X	X	I	A	I	I	I	A	B	I	I	I	T	T	V									
Chlorobutane	100 70	X	X	X	X	X	X	X	X	X	X	I	I	I	I	I	I	I	T	T	V									
Chloroethylbenzene	100 70	A	X	X	X	X	X	X	X	X	X	I	I	I	I	I	I	I	T	T	V									
Chloroform	100 70	B	X	X	X	X	B	X	X	X	X	I	I	A	B	I	X	X	T	T	V									
Chloropentane	100 70	A	X	X	X	X	X	X	X	A	I	X	X	A	X	I	I	I	T	T	V									
Chlorophenol	100 70	A	X	X	X	X	B	X	X	X	X	I	I	I	I	I	I	I	T	T	V									
Chloropropanone	100 70	A	X	X	X	X	X	X	X	A	I	X	I	I	I	I	I	I	T	T										
Chlorosulfonic Acid	100 70	X	X	X	X	X	X	X	X	I	B	X	X	X	X	X	X	X	T	T	V									
Chlorothene	100 70	X	I	X	X	X	X	X	A	I	X	X	I	A	I	I	I	I	T	T	V									
Chlorotoluene	100 70	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	I	T	T	V									
Chlorpyrifos	100 70	I	I	I	I	I	I	I	X	I	I	I	I	I	I	I	I	I	T	T	V									
Chromic Acid 25%	100 70	B	I	X	B	X	I	X	X	X	I	I	I	B	X	X	X	X	T	T	V	B								
Coal Oil	100 70	A	X	X	X	X	A	X	A	I	I	I	I	A	X	A	I	I	T	T	V	B								
Coal Tar	100 70	A	X	X	X	X	X	X	A	I	I	I	I	A	I	I	I	I	T	T	V									
Coal Tar Naptha	100 70	A	X	X	X	X	X	X	A	I	I	I	I	A	A	I	I	I	T	T	V									
Copper Chloride	100 70	A	A	A	X	A	A	A	A	A	A	B	X	X	X	X	A	A	T	S	V	B	E							
Copper Hydrate	100 70	A	I	A	B	X	X	I	A	A	A	I	I	I	I	I	I	I	T	T	V	B								
Copper Hydroxide	100 70	A	I	A	B	X	X	B	I	A	A	I	I	I	I	I	I	I	T	T	V	B								
Copper Nitrate	100 70	A	A	A	A	X	A	A	A	A	A	I	A	A	X	X	X	A	T	S	V	B	E							

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Copper Nitrite	100	70	A	A	A	X	A	A	A	A	A	A	I	I	I	I	I	I	T		V	B	E	
Copper Sulfate	100	70	A	A	A	X	A	A	A	A	A	A	A	A	A	X	A	A	T	S	V	B	E	
Copper Sulfide	100	70	A	A	A	X	A	A	A	A	A	A	I	I	I	I	I	I	T		V	B	E	
Creosols	100	70	A	A	X	X	A	X	X	X	X	X	I	I	I	I	I	I	T		V			
Creosote	100	70	A	X	X	X	A	X	X	X	X	X	X	A	A	A	I	X	T		V			
Cresylic Acid	100	70	A	X	X	X	X	X	X	X	X	X	I	I	A	B	X	X	T		V			
Crotonaldehyde	100	70	A	X	X	X	X	X	X	X	X	X	I	I	A	A	I	I	T		V	B		
Crude Oil	100	70	A	X	X	X	X	X	X	X	X	X	A	A	A	I	I	I	T		V			
Cumene	100	70	A	X	X	X	X	X	X	X	X	X	I	I	I	I	I	I	T		V			
Cupric Carbonate	100	70	A	B	A	X	A	A	A	A	A	A	I	I	I	I	I	I	T		V	B	E	
Cupric Chloride	100	70	A	B	A	X	A	A	A	A	A	A	I	I	B	X	I	I	T	S	V	B	E	
Cupric Nitrate	100	70	A	B	A	X	A	A	A	A	A	A	I	I	B	I	I	I	T		V	B	E	
Cupric Nitrite	100	70	A	B	A	X	A	A	A	A	A	A	I	I	I	I	I	I	T		V	B	E	
Cupric Sulfate	100	70	A	A	A	X	A	A	A	A	A	A	I	I	I	I	I	I	T	S	V	B	E	
Cyclohexane	100	70	A	X	X	X	A	B	X	X	X	X	A	A	A	B	X	I	T		V			
Cyclohexanol	100	70	A	X	X	X	B	X	X	X	X	X	X	A	A	X	X	I	T		V	B		
Cyclohexanone	100	70	A	X	X	X	X	X	X	X	X	X	X	A	A	X	I	I	T		V			
Cyclopentane	100	70	A	X	X	X	B	X	X	X	X	X	I	I	I	I	I	I	T		V			
Cyclopentane, methyl	100	70	A	X	X	X	A	B	X	X	X	X	I	I	I	I	I	I	T		V			
Cyclopentanol	100	70	A	X	X	X	B	X	X	X	X	X	I	I	I	I	I	I	T		V	B		
Cyclopentanone	100	70	A	X	X	X	X	X	X	X	X	X	I	I	I	I	I	I	T		V			
D.D.T. in Kerosene	100	70	A	X	X	X	X	X	X	X	X	X	X	A	I	A	I	I	T		V	B		
D.M.P.	100	70	X	X	X	X	X	X	X	X	X	X	I	I	A	I	I	I	T		V			
Decalin®	100	70	X	X	X	X	X	X	X	X	X	X	I	I	I	I	I	I	T		V			
Decanol	100	70	A	A	A	X	B	A	A	A	A	A	I	I	I	I	I	I	T		V	B	E	
Decyl Alcohol	100	70	A	A	A	X	B	A	A	A	A	A	I	I	I	I	I	I	T		V	B	E	
Decyl Aldehyde	100	70	A	X	X	X	X	X	X	X	X	X	I	I	I	I	I	I	T		V			
Decyl Butyl Phthalate	100	70	A	A	X	X	X	X	X	X	X	X	I	I	I	I	I	I	T		V			
Denatured Alcohol	100	70	A	A	A	X	X	X	X	X	X	X	I	I	A	B	A	I	T		V	B	E	
Diacetone Alcohol	100	70	A	X	A	B	B	X	X	A	A	B	A	A	A	A	I	A	T		V			
Diaryl Phenol	100	70	A	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T		V			
Diamylamine	100	70	A	B	A	X	B	I	B	I	A	I	I	I	I	I	I	I	T		V	B		
Diamylene	100	70	A	I	X	X	X	X	X	X	X	X	I	I	I	I	I	I	T		V			
Dibenzyl Ether	100	70	A	X	B	X	X	I	X	X	A	I	I	A	A	X	I	I	T		V			
Dibromobenzene	100	70	B	X	X	X	X	X	X	X	X	X	I	I	I	I	I	I	T		V			
Dibutyl Amine	100	70	A	X	X	X	B	X	X	X	X	X	I	I	I	I	I	I	T		V			
Dibutyl Ether	100	70	A	I	X	X	X	X	X	X	X	X	I	I	A	A	X	I	T		V			
Dibutyl Phthalate	100	70	A	I	A	X	X	X	X	X	X	X	I	I	A	A	I	I	T		V			
Dibutyl Sebacate	100	70	A	X	A	X	X	X	X	X	X	X	I	I	I	I	I	I	T	S	V			
Dicalcium Phosphate	100	70	A	A	A	A	A	A	A	A	A	B	A	I	I	I	I	I	T		V	B	E	
Dicamba	100	70	A	I	I	I	I	I	A	A	A	I	I	I	I	I	I	I	T		V			
Dichloroacetic Acid	100	70	A	X	X	X	X	I	X	X	X	X	I	I	I	I	I	I	T		V			
Dichlorobenzene	100	70	A	I	X	X	X	X	X	X	X	X	X	X	I	A	B	I	T		V			
Dichlorobutane	100	70	A	X	X	X	X	X	X	X	X	X	I	I	A	I	I	I	T		V			

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			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM			
Dichlorodifluoromethane	100	70	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B					
Dichloroethane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V						
Dichloroethyl Ether	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V						
Dichloroethylene	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V						
Dichlorohexane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V						
Dichloromethane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V						
Dichloropentane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V						
Dichloropropane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V						
Diesel Oil	150	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B					
Diethanol Amine	100	70	A	I	A	X	X	B	I	A	A	X	X	X	X	X	X	X	X	X	X	V						
Diethyl Benzene	100	70	A	X	X	X	X	X	A	A	B	X	X	X	X	X	X	X	X	X	X	V						
Diethyl Carbinol	100	70	A	I	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	I	I		B					
Diethyl Ketone	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
Diethyl Oxalate	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
Diethyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
Diethyl Sebacate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
Diethyl Sulfate	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	S							
Diethyl Triamine	100	70	A	B	A	X	X	B	I	B	I	B	I	I	I	I	I	I	I	I	I		B					
Diethylamine	100	70	A	B	A	A	X	B	I	B	B	I	A	A	A	A	X	X	A	A	T		B					
Diethylene Dioxide	100	70	A	X	B	X	X	X	X	X	A	A	I	I	X	X	X	X	I	I	T			E				
Diethylene Glycol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T		B	E				
Diethylene Triamine	100	70	A	I	A	X	B	I	B	I	B	I	I	I	I	I	I	I	I	I	T		B	E				
Dihydroxydiethyl Ether	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T		B	E				
Dihydroxyethyl Amine	100	70	A	B	A	X	B	I	B	I	B	I	I	I	I	I	I	I	I	I	T		B	E				
Diisobutyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Disobutylene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Disocetyl Adipate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Disocetyl Phthalate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Disocyanate	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Disodecyl Adipate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Disodecyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Disopropanol Amine	100	70	A	B	A	X	B	I	B	I	B	I	A	A	A	A	A	A	A	A	T		B	E				
Diisopropyl Amine	100	70	A	I	A	X	B	I	B	I	B	I	A	A	A	A	A	A	A	A	T		B	E				
Diisopropyl Ether	100	70	A	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Diisopropyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Dilauryl Ether	100	70	A	X	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Dimethyl Amine			N/R																									
Dimethyl Benzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		V					
Dimethyl Carbinol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T		B	E				
Dimethyl Ether	100	70	A	I	X	B	X	I	B	X	B	I	I	I	I	I	I	I	I	I	T		B	E				
Dimethyl Ketone	100	70	A	I	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	T		B	E				
Dimethyl Phenol	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		V					
Dimethyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		V					
Dimethyl Sulfate	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		V					

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		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM	
Ethyl Hexyl Alcohol	100 70	A	I	A	A	A	B	A	A	A	A	I	I	I	I	I	I	I	T			B	E		
Ethyl Iodide	100 70	X	I	X	X	B	X	X	X	X	X	X	I	I	I	I	I	I	T		V				
Ethyl Isobutyl Ether	100 70	A	I	X	B	X	I	B	X	X	X	I	I	I	I	I	I	I	T						
Ethyl Methyl Ketone	100 70	A	X	B	X	X	X	A	X	X	X	X	A	A	A	A	A	I	T						
Ethyl Oxalate	100 70	A	A	A	X	A	I	X	I	X	X	I	I	I	I	I	I	I	T		V				
Ethyl Phthalate	100 70	A	X	A	X	X	X	X	A	X	X	I	I	I	I	I	I	I	T						
Ethyl Propyl Ether	100 70	A	X	X	B	X	I	B	X	X	X	I	I	I	I	I	I	I	T			B			
Ethyl Propyl Ketone	100 70	A	X	B	X	X	X	A	X	X	X	I	I	I	I	I	I	I	T						
Ethyl Silicate	100 70	A	B	A	I	X	I	A	I	A	I	I	A	A	I	I	I	I	T			B			
Ethyl Sulfate	100 70	A	X	B	X	X	X	A	I	A	I	I	X	X	I	I	I	I	T	S		B			
Ethylamine	N/R																								
Ethylene Bromide	100 70	X	X	X	X	X	B	X	X	B	X	X	I	A	X	I	I	I	T		V				
Ethylene Chloride	100 70	B	X	X	X	B	B	X	X	B	X	X	A	A	B	I	A	X	T		V				
Ethylene Diamine	100 70	A	B	A	X	B	I	B	A	I	I	I	I	A	I	I	I	I	T			B			
Ethylene Dibromide	100 70	X	X	X	X	X	B	X	X	X	X	X	I	A	X	I	I	I	T		V				
Ethylene Dichloride	100 70	B	X	X	X	B	X	X	X	X	X	X	A	A	B	I	A	X	T		V				
Ethylene Glycol	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	T	S		B	E		
Ethylhexil Phosphorodieth	100 70	I	I	X	X	I	I	X	X	I	X	I	I	I	I	I	I	I	T		V				
Ex-Tri	100 70	A	I	X	X	X	X	A	I	A	I	I	I	I	I	I	I	I	T		V				
Ferric Bromide	150 70	A	A	A	A	A	A	A	A	A	A	B	I	I	X	X	X	A	T		V	B	E		
Ferric Chloride	150 70	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	A	T	S		V	B	E	
Ferric Sulfate	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T		V	B	E		
Ferrous Acetate	100 70	A	X	A	A	X	X	I	A	A	A	I	I	I	I	I	I	I	T						
Ferrous Chloride	150 70	A	A	A	A	A	B	A	A	A	A	B	X	I	X	X	X	A	T			B	E		
Ferrous Hydroxide	100 70	A	B	A	B	A	X	B	I	A	I	I	B	I	I	I	I	I	T						
Ferrous Sulfate	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	T		V	B	E		
Fluoboric Acid 65%	150 70	B	I	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	T						
Fluorine (wet)	100 70	X	I	X	X	X	X	X	X	X	X	I	X	X	X	X	X	I	T						
Fluosilicic Acid 50%	150 70	B	I	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	T						
Formaldehyde 40%	100 70	A	I	A	A	B	B	A	A	A	A	I	A	A	B	I	X	A	T			B	E		
Formalin	100 70	A	I	A	A	B	A	A	A	A	A	I	A	A	B	I	X	A	T		V	B	E		
Formic Acid	100 70	A	A	A	X	B	X	X	A	B	I	I	A	B	I	X	X	A	T		V				
Formic Acid	100 70	A	I	X	X	X	B	X	B	X	B	X	I	A	B	I	I	I	T						
Freon® 12	100 70	A	I	X	X	X	X	I	B	X	X	X	I	A	I	I	I	I	T						
Freon® 22	100 70	A	I	X	X	X	X	I	B	X	X	X	I	A	I	I	I	I	T						
Fuel A (ASTM)	100 70	B	I	X	X	X	A	A	B	A	B	I	I	A	A	A	A	I	T		V	B			
Fuel B (ASTM)	100 70	B	I	X	X	X	A	A	B	A	B	X	I	I	A	A	A	I	T		V	B			
Fuel Oil	100 70	A	X	X	X	X	X	A	B	A	B	X	I	A	A	A	A	X	T		V	B			
Furfural	100 70	A	X	X	X	I	X	B	A	X	X	X	A	A	A	A	A	X	T						
Furfuryl Alcohol	100 70	A	X	X	I	I	X	I	A	I	I	I	A	A	A	A	A	I	T						
Gallic Acid	100 70	A	A	B	I	A	I	I	B	I	I	I	A	B	I	I	A	I	T						
Gasoline	100 70	B	I	X	X	A	A	X	A	A	X	X	A	A	A	A	I	A	T	S					
Glacial Acetic Acid	100 70	A	I	B	X	X	X	X	A	A	B	I	I	A	B	X	I	A	T		V	B	E		
Gluconic Acid	100 70	A	X	X	B	X	I	X	I	A	I	I	X	X	A	A	I	I	T						
Glycerin	100 70	A	I	A	A	A	A	A	B	A	A	B	I	A	A	A	A	A	T	S		V	B	E	

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			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM		
RATING DEFINITION A = CONTINUOUS SERVICE B = FOR INTERMITTENT USE I = INSUFFICIENT DATA X = DO NOT USE																											
Glyphosate	100	70	A	I	I	I	I	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	E		
Graffinite	100	70	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B		
Grease	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B		
Green Sulfate Liquor	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	S	V	B	E			
Heptanal	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B		
Heptane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	B			
Heptane Carboxylic Acid	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	B			
Hexaldehyde	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	B			
Hexane	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hexanol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Hexyl Methyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hexyl-Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Hexylamine	100	70	A	B	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hexylene	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hexylene Glycol	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Hr-Tri	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hydrobromic Acid (37%)	150	70	B	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Hydrochloric Acid -38% Conc.	125	70	I	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hydrofluoric Acid (10%)	125	70	A	I	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hydrofluosilicic Acid	150	70	B	I	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Hydrogen Dioxide 10%	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hydrogen Dioxide over 10%	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hydrogen Gas	N/R																										
Hydrogen Peroxide 10% to 50%	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Hydrogen Peroxide over 50%	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Iodine	100	70	A	X	I	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	V	B	E			
Iron Acetate	100	70	A	X	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Iron Hydroxide	100	70	A	B	A	B	X	B	I	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Iron Salts	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Iron Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Iron Sulfide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Isoamyl Acetate	100	70	A	X	A	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Isoamyl Alcohol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Isoamyl Bromide	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Isoamyl Butyrate	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Isoamyl Chloride	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Isoamyl Ether	100	70	A	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Isoamyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Isobutane	N/R																										
Isobutanol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Isobutyl Acetate	100	70	A	X	A	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			
Isobutyl Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	V	B	E			
Isobutyl Aldehyde	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V	B	E			

BUCHANAN RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)		HOSE AND SHEET RUBBER											THERMOPLASTIC HOSE						COUPLINGS					GASKETS			
	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM			
Isobutyl Amine	100	70	A	B	B	X	X	X	I	A	A	I	I	I	I	I	I	I	I	I	T							
Isobutyl Bromide	100	70	B	X	X	X	B	X	X	X	I	I	I	I	I	I	I	I	I	I	T		V					
Isobutyl Carbinol	100	70	A	A	A	A	B	A	A	A	I	I	I	I	I	I	I	A	I	I	T		V	B	E			
Isobutyl Chloride	100	70	B	X	X	X	B	X	X	X	I	I	I	I	I	I	I	I	I	I	T		V					
Isobutyl Ether	100	70	A	X	X	B	X	I	X	A	I	I	I	I	I	I	I	I	I	I	T		V	B				
Isobutylene	100	70	A	X	X	X	X	X	X	A	I	I	I	I	I	I	I	I	I	I	T	S	V	B				
Isooctane	100	70	N/R																									
Isophorone	100	70	B	I	A	I	I	I	X	A	B	I	I	I	I	B	A	I	I	I	T				E			
Isopropanol	100	70	A	I	A	A	A	B	A	A	I	I	I	I	I	A	I	I	I	I	T	S	V	B	E			
Isopropanol Amine	100	70	A	I	A	X	B	I	A	A	I	I	I	I	I	I	I	I	I	I	T							
Isopropyl Acetate	100	70	A	X	A	X	X	X	X	A	X	X	X	I	I	I	I	I	I	I	T							
Isopropyl Alcohol	100	70	A	A	A	A	A	A	A	A	A	A	A	B	A	A	I	I	A	A	T	S			E			
Isopropyl Amine	100	70	A	X	B	X	X	B	A	A	I	I	I	I	I	I	I	I	I	I	T							
Isopropyl Benzene	100	70	A	X	X	X	X	A	X	A	I	I	X	X	I	I	I	I	I	I	T		V					
Isopropyl Chloride	100	70	N/R																									
Isopropyl Ether	100	70	A	X	X	B	X	I	X	A	A	I	I	I	I	A	I	I	A	X	T							
Isopropyl Toluene	100	70	A	X	X	X	X	A	X	A	I	I	I	I	I	I	I	I	I	I	T		V					
Jet Fuels	100	70	N/R																									
Kerosene	100	70	A	X	X	X	X	A	B	X	A	X	B	X	A	A	A	I	X	X	T		V	B	E			
Lauryl Alcohol	100	70	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	I	I	T		V	B	E			
Lead Acetate	100	70	A	X	A	X	X	A	B	A	A	A	A	B	A	A	X	X	X	A	T							
Lead Sulfate	150	70	A	A	A	A	A	A	A	A	A	I	X	I	I	I	I	I	I	I	T		V	B	E			
Ligroin	100	70	A	X	X	X	X	A	A	A	I	I	I	I	I	A	A	I	I	I	T		V	B	E			
Linseed Oil	100	70	A	X	A	B	X	A	B	I	A	A	A	X	A	A	I	A	A	A	T	S	V	B				
Liquefied Natural Gas (LNG)			N/R																									
Liquefied Petroleum Gas (LPG)			N/R																									
Lubricating Oils	100	70	A	X	X	X	X	A	X	A	A	A	B	I	I	A	A	A	I	I	T		V	B				
M.E.K.	100	70	A	I	X	X	X	X	X	X	I	I	I	I	I	X	X	X	A	X	T							
Magnesium Acetate	100	70	A	X	A	A	X	X	X	A	I	A	I	I	I	I	I	I	I	I	T							
Magnesium Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	X	T	S	V	B	E			
Magnesium Hydroxide	150	70	A	A	A	B	A	B	I	A	A	I	A	B	I	A	X	I	I	I	T							
Magnesium Sulfate	150	70	A	A	A	A	A	B	A	A	A	A	A	A	A	A	X	I	X	A	T	S	V	B	E			
Maleic Acid	100	70	A	X	X	X	X	I	X	I	B	I	I	I	A	A	B	X	X	A	T		V					
Malic Acid	150	70	B	A	I	A	A	I	I	I	B	A	A	B	A	A	B	X	X	A	T	S	V	B	E			
Manganese Sulfate	150	70	A	A	A	A	X	A	A	A	I	A	I	A	I	A	I	I	I	I	T		V	B	E			
Manganese Sulfide	150	70	A	A	A	A	X	A	A	A	I	A	I	A	I	I	I	I	I	I	T		V	B	E			
Manganese Sulfite	150	70	A	A	A	A	X	A	A	A	I	A	I	A	I	I	I	I	I	I	T		V	B	E			
Mesityl Oxide	100	70	A	I	B	X	X	X	X	A	I	I	I	I	I	I	I	I	I	I	T							
Methyl Alcohol	100	70	A	I	A	A	A	B	A	A	A	I	A	I	I	I	I	I	I	I	T							
Methanol	100	70	A	I	A	A	A	X	A	A	A	A	A	A	A	A	I	I	I	A	T							
Methyl (Wood) Alcohol	100	70	A	I	A	A	X	X	A	A	A	B	A	A	A	I	I	I	I	A	T	S						
Methyl Acetate	100	70	A	X	A	B	X	X	A	A	A	X	X	X	I	A	I	I	I	I	T							

BUCHANAN RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER											THERMOPLASTIC HOSE				COUPLINGS						GASKETS				
			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM			
Methyl Acetoacetate	100	70	A		X	X	X																					
Methyl Acetone			N/R																									
Methyl Amyl Acetate	100	70	B		A	X	X	X	X																			
Methyl Amyl Alcohol	100	70	A		A	B	B	A	A																			
Methyl Amyl Carbinol	100	70	A		A	A	B	A	A																			
Methyl Amyl Ketone	100	70	A		B	X	X	X	X																			
Methyl Benzene	100	70	A		X	X	X	X	X																			
Methyl Butanol	100	70	A		A	A	B	A	A																			
Methyl Butanone	100	70	A		B	X	X	X	B																			
Methyl Butyl Ketone	100	70	A		B	X	X	X	A																			
Methyl Carbitol	100	70	A		A	A	X	X	A																			
Methyl Cellosolve	100	70	A		A	A	X	X	A																			
Methyl Chloride			N/R																									
Methyl Cyclohexane	100	70	A		X	X	B	X	X																			
Methyl Ethyl Ketone (M.E.K.)	100	70	A		X	X	X	X	X																			
Methyl Hexanol	100	70	A		A	A	B	A	A																			
Methyl Hexanone	100	70	A		B	X	X	X	A																			
Methyl Hexyl Ketone	100	70	A		B	X	X	X	A																			
Methyl Isobutyl Carbinol	100	70	A		B	X	X	X	A																			
Methyl Isobutyl Ketone (MIBK)	100	70	A		X	X	X	X	X																			
Methyl Isopropyl Ketone	100	70	A		B	X	X	X	B																			
Methyl Normal Amyl Ketone	100	70	A		B	X	X	X	A																			
Methyl Propyl Carbinol	100	70	A		A	A	B	X	A																			
Methyl Propyl Ether	100	70	A		X	X	X	X	X																			
Methyl Propyl Ketone	100	70	A		X	X	X	X	X																			
MTBE 100% Concentrate	100	70	X		X	X	X	X	X																			
Methylallyl Acetate	100	70	A		A	B	X	X	A																			
Methylallyl Chloride	100	70	A		X	X	X	X	B																			
Methyldiethanolamine	100	70	A		X	X	X	X	X																			
Methylene Bromide	100	70	B		X	X	X	X	X																			
Methylene Chloride			N/R																									
Methybutin	100	70	A		I	X	X	X	A																			
MIBK	100	70	A		X	X	X	X	X																			
Mineral Spirits	100	70	A		X	X	B	A	A																			
Monochloroacetic Acid	100	70	A		X	X	B	X	A																			
Monochlorobenzene	100	70	B		X	X	X	X	X																			
Monochlorodifluoromethane	100	70	I		X	X	X	X	X																			
Monoethanol Amine	100	70	A		X	X	X	X	A																			
Monoethyl Amine			N/R																									
Muriatic Acid	125	70	A		X	X	A	I	X																			
N-Methylpyrrolidone	100	70	A		X	X	X	X	A																			
Naphtha	100	70	A		X	X	X	A	A																			
Naphthalene	100	70	A		X	X	X	X	A																			
Natural Gas			N/R																									

RATING DEFINITION
 A = CONTINUOUS SERVICE
 B = FOR INTERMITTENT USE
 I = INSUFFICIENT DATA
 X = DO NOT USE

BUCHANAN RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE				COUPLINGS					GASKETS				
		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM	
RATING DEFINITION A = CONTINUOUS SERVICE B = FOR INTERMITTENT USE I = INSUFFICIENT DATA X = DO NOT USE																									
Neohexane	100 70	A	I	X	X	X	A	X	A	X	A	X	X	X	X	A	I	I	I	T		V	B		
Neu-Tri	100 70	A	I	X	X	X	A	X	A	I	I	I	I	I	I	I	I	I	I	T		V			
Nickel Chloride	150 70	A	A	A	A	A	A	A	A	A	A	B	A	B	A	X	X	A	T	S		V	B	E	
Nickel Nitrate	150 70	A	A	A	A	A	A	A	A	A	A	A	A	B	A	X	X	I	T		S	V	B	E	
Nickel Sulfate	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	T	S		V	B	E	
Nitric Acid 25%	100 70	B	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	T		V			
Nitric Acid 37%	100 70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	T		V			
Nitric Acid 40%-60%	100 70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	T		V			
Nitric Acid 70%	100 70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	T		V			
Nitro Benzene	100 70	A	I	X	X	X	A	X	X	X	X	X	X	X	X	X	X	I	I	T		V	B	E	
Nitrogen Gas	100 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T		S	V	B	E	
Nitrogen Oxide	100 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T		S	V	B	E	
Nonenes	100 70	A	I	X	X	X	A	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octadecanoic Acid	100 70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octane	100 70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octanol	100 70	A	I	A	A	A	A	X	A	X	A	X	X	X	X	I	I	I	T		S	V	B	E	
Octyl Acetate	100 70	A	X	A	A	A	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octyl Alcohol	100 70	A	I	A	A	A	A	X	A	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octyl Aldehyde	100 70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octyl Amine	100 70	A	B	B	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octyl Carbinol	100 70	A	A	A	A	A	A	X	A	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Octylene Glycol	100 70	A	A	A	A	A	A	X	A	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Oil Petroleum	100 70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Oleic Acid	100 70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Oleum	100 70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Organic Fatty Acids	100 70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Orthodichlorobenzene	100 70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Orthochlorobenzol	100 70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Orthoxylene	100 70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Oxalic Acid	100 70	A	B	A	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Oxygen	N/R																								
Ozone	100 70	A	B	B	B	X	I	X	A	I	X	A	I	X	A	I	I	I	T		S	V	B	E	
Palmitic Acid	100 70	A	X	A	B	X	I	A	B	X	I	A	I	X	A	I	I	I	T		S	V	B	E	
Papermakers Alum	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T		S	V	B	E	
Paradichlorobenzol	100 70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Paraffin	150 70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Paraldehyde	100 70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Paraxylene	100 70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Parargonic Acid	100 70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Pentachloroethane	100 70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Pentane	100 70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Pentanol	100 70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T		S	V	B	E	
Pentanone	100 70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	
Perchloroethylene	100 70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	T		S	V	B	E	

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Chemical	HOSE TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE				COUPLINGS						GASKETS			
		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM	
Petroleum - Crude	100	70	A	X	X	A	A	X	A	A	B	X	I	A	A	X	I	I	T			V	B		
Petroleum Ether (Ligroin)	100	70	A	X	X	A	A	X	A	A	B	X	I	A	A	X	I	I	T			V	B		
Petroleum Oils	100	70	A	X	X	A	A	X	A	A	B	X	I	A	A	X	I	I	T			V	B		
Phenol	125	70	A	B	X	A	X	X	A	A	B	X	I	A	A	B	I	I	T			V			
Phenolsulfonic Acid	100	70	X	X	X	X	X	I	B	I	X	I	I	B	I	I	I	I	T			V			
Phenyl Chloride	100	70	A	X	X	A	X	X	A	A	I	X	I	A	A	B	I	I	T			V	B	E	
Phosphoric Acid 10%	150	70	A	I	A	A	A	A	A	A	I	I	I	A	A	X	X	A	T			V	B	E	
Phosphoric Acid 10-85%	100	70	A	X	X	A	X	X	A	A	I	I	I	A	A	X	I	I	T			V			
Pine Oil	100	70	A	X	X	A	X	X	A	A	I	I	I	A	A	X	I	I	T			V			
Pinene	100	70	A	X	X	A	X	X	A	A	I	I	I	A	A	X	I	I	T			V			
Polyethylene Glycol	150	70	A	A	A	A	A	A	A	A	B	B	I	I	I	I	I	I	T			V	B	E	
Polypropylene Glycol	150	70	A	A	A	A	A	A	A	A	B	B	I	I	I	I	I	I	T			V	B	E	
Potassium Acetate	100	70	A	X	A	B	X	B	A	I	A	B	I	A	X	X	A	A	T			V	B	E	
Potassium Bisulfate	150	70	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T			V	B	E	
Potassium Bisulfite	150	70	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T			V	B	E	
Potassium Carbonate	150	70	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T		S	V	B	E	
Potassium Chloride	150	70	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T		S	V	B	E	
Potassium Chromate	150	70	B	X	A	X	I	I	B	A	A	B	I	B	I	B	I	X	T		S	V	B		
Potassium Dichromate	150	70	B	X	A	X	I	I	B	A	A	B	I	B	A	A	X	A	T		S	V	B		
Potassium Hydrate	150	70	A	A	A	B	A	B	A	I	A	B	I	A	X	X	I	I	T		S				
Potassium Hydroxide	150	70	B	A	A	B	A	B	A	A	B	I	A	A	X	X	I	I	T		S				
Potassium Nitrate	150	70	A	A	A	A	A	A	A	A	A	B	I	A	A	B	A	A	T		S	V	B	E	
Potassium Permanganate	100	70	A	X	A	A	A	A	A	A	I	I	A	A	A	I	I	X	T		S	V	B	E	
Potassium Silicate	150	70	A	A	A	A	A	A	A	A	I	A	B	I	A	A	I	I	T		S	V	B	E	
Potassium Sulfate	150	70	A	A	A	A	A	A	A	A	A	B	I	A	A	B	A	A	T		S	V	B	E	
Potassium Sulfide	150	70	A	A	A	A	A	A	A	A	A	B	I	A	A	B	A	A	T		S	V	B	E	
Potassium Sulfite	150	70	A	A	A	A	A	A	A	A	A	B	I	A	A	B	A	A	T		S	V	B	E	
Propane Gas	N/R																								
Propanediol	100	70	A	A	A	A	A	A	A	A	I	A	B	I	A	A	X	X	T		S	V	B	E	
Propanol	100	70	A	I	A	A	A	A	A	A	I	A	B	I	A	A	I	I	T		S	V	B	E	
Propyl Acetate	100	70	A	X	A	B	X	X	A	I	X	I	I	A	I	A	I	I	T			V			
Propyl Alcohol	100	70	A	I	A	A	B	A	A	A	A	B	I	A	A	A	I	I	T				B	E	
Propyl Aldehyde	100	70	A	X	B	X	X	X	A	I	I	I	I	A	I	I	I	I	T						
Propyl Chloride	N/R																								
Propylene Diamine	100	70	A	A	A	X	B	I	A	I	I	I	I	I	I	I	I	I	T			B			
Propylene Dichloride	100	70	B	X	X	X	B	X	X	X	X	X	I	A	X	I	I	I	T			V	B	E	
Propylene Glycol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	T		S	V	B	E	
Propylene Tetramer	100	70	A	I	X	X	X	X	A	I	I	I	I	I	I	I	I	I	T				B		
Sea Water	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T		S	V	B	E	
Sewage	100	70	A	B	X	A	I	A	A	A	I	I	I	A	X	I	I	I	T		S	V	B	E	
Silicate of Soda	100	70	A	I	A	A	A	A	A	A	I	B	I	A	A	X	X	I	T		S	V	B	E	
Soap	100	70	A	I	X	X	X	X	A	I	I	I	I	A	X	X	A	A	T		S	V	B	E	
Soda Ash	100	70	A	I	A	A	A	A	A	A	A	A	I	A	X	I	I	I	T		S	V	B	E	
Soda, Caustic	100	70	A	A	A	B	A	A	A	A	B	A	I	A	X	X	I	I	T		S	V	B	E	

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BUCHANAN RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE				COUPLINGS						GASKETS			
			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM	
Soda, Lime	100	70	A	A	A	B	A	X	B	A	A	A	A	A	A	I	I	I	I	T		V	B	E		
Soda, Niter	100	70	A	I	A	A	A	A	B	A	B	A	A	A	A	I	I	I	I	T		V	B			
Sodium Acetate	100	70	A	X	A	A	X	X	B	B	A	B	A	A	A	I	A	A	A	T	S					
Sodium Aluminate	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	A	A	T		V	B	E		
Sodium Bisulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	S	V	B	E		
Sodium Bisulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	I	T	S	V	B	E		
Sodium Carbonate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	I	A	A	T	S	V	B	E		
Sodium Chloride (Brine)	150	70	A	I	A	A	A	A	A	A	A	A	A	A	A	X	I	A	A	T	S	V	B	E		
Sodium Chromate	150	70	X	X	A	X	I	I	X	I	A	A	A	A	A	A	A	A	A	T		V	B			
Sodium Dichromate	150	70	A	X	A	X	I	I	A	A	A	A	A	A	A	I	X	X	A	T						
Sodium Hydrate	150	70	A	I	A	B	X	X	B	X	I	A	A	A	A	X	X	I	I	T						
Sodium Hydrochlorite (20%)	100	70	A	I	B	X	X	X	B	X	I	B	I	I	I	I	I	I	I	T						
Sodium Hydrosulfide	100	70	A	I	X	X	X	X	X	X	A	X	A	I	I	I	I	I	I	T			B	E		
Sodium Hydroxide (50%)	150	70	A	I	X	B	X	X	B	X	A	X	A	I	I	X	X	X	A	T			B	E		
Sodium Hypochlorite	100	70	B	X	B	X	X	X	B	X	A	X	A	I	I	X	X	X	A	T	S	V	B	E		
Sodium Nitrate	150	70	A	A	A	A	A	A	A	A	B	A	A	A	A	I	X	A	A	T	S	V	B	E		
Sodium Silicate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	A	A	T	S	V	B	E		
Sodium Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	A	A	T	S	V	B	E		
Sodium Sulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	B	X	X	A	T	S	V	B	E		
Sodium Sulfite	150	70	A	A	A	A	A	A	A	A	B	A	A	A	A	I	I	I	I	T	S	V	B	E		
Sodium Sulphate	100	70	A	I	X	X	X	X	X	A	X	A	A	A	A	I	I	I	I	T						
Sodium Thiosulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	X	A	A	T	S	V	B	E		
Stannous Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	S	V	B	E		
Stannic Sulfide	150	70	A	A	A	A	A	A	I	A	A	A	A	A	A	I	I	I	I	T			B	E		
Stannous Chloride	150	70	A	A	A	A	A	A	A	A	B	A	A	A	A	X	X	X	I	T			B	E		
Stannous Sulfide	150	70	A	A	A	A	A	A	I	A	A	A	A	A	A	I	I	I	I	T			B	E		
Stearic Acid	100	70	A	X	B	X	X	X	A	B	A	A	A	A	A	A	B	A	A	T		V	B			
Stoddards Solvent	100	70	A	X	X	X	X	X	A	X	A	A	A	A	A	I	A	A	A	T		V	B			
Styrene	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T		V				
Sulfamic Acid (>10%)	100	70	X	I	X	B	B	B	I	B	I	I	I	I	I	I	I	I	I	T		V				
Sulfonic Acid	100	70	B	X	X	X	X	X	X	X	I	X	X	X	X	I	I	I	I	T		V				
Sulfur Dioxide (Liquid)	100	70	B	I	B	B	I	B	I	X	X	X	X	X	X	I	X	X	I	T		V				
Sulfuric Acid 25%	150	70	A	I	A	B	B	B	I	X	A	A	A	A	A	I	X	X	I	T		V		E		
Sulfuric Acid 93%	100	70	X	I	X	B	X	X	B	X	B	A	I	I	I	I	X	X	I	T		V				
Sulfuric Acid 93-98%	100	70	X	I	X	X	X	X	B	X	I	I	I	I	I	I	X	X	I	T		V				
Sulfuric Acid Fuming	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	I	X	X	I	T		V				
Sulfurous Acid 10%	150	70	A	I	A	A	A	A	A	A	A	A	A	A	A	I	X	X	I	T			E			
Sulfurous Acid 10-75%	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	I	X	X	I	T			E			
Sulphonate	100	70	I	I	X	X	X	X	X	X	X	X	X	X	X	I	X	X	I	T			B			
Tail Oil	100	70	A	X	X	X	X	X	X	X	I	I	I	I	I	X	X	X	I	T		V	B			
Tallow	150	70	A	X	X	X	X	X	X	X	I	I	I	I	I	A	A	A	I	T	S	V	B			
Tannic Acid	150	70	A	A	A	A	A	A	A	I	B	X	X	X	A	A	X	I	T			V	B			
Tar	CALL																									
Tartaric Acid	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	A	A	T			B	E		

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		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM	
RATING DEFINITION A = CONTINUOUS SERVICE B = FOR INTERMITTENT USE I = INSUFFICIENT DATA X = DO NOT USE																									
Tergitol	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tertiary Butyl Alcohol	100 70	A	A	A	A	A	B	A	A	B	I	I	I	I	I	I	I	I	I	I	I	I	B	E	E
Tetrachlorobenzene	100 70	B	X	X	X	X	B	X	X	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tetrachloroethane	100 70	A	X	X	X	X	A	X	X	A	X	X	A	A	X	X	X	X	X	X	X	V	V	V	V
Tetrachloroethylene	100 70	A	X	X	X	X	A	X	X	A	X	X	A	A	X	X	X	X	X	X	X	V	V	V	V
Tetrachloromethane	100 70	A	X	X	X	X	A	X	X	A	X	X	A	A	X	X	X	X	X	X	X	V	V	V	V
Tetrachloronaphthalene	100 70	B	I	X	X	X	B	X	X	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tetrachloronaphthalene	100 70	B	I	X	X	X	B	X	X	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tetradecanol	100 70	A	I	A	A	A	B	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	B	E	E
Tetraethylene Glycol	150 70	A	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Tetraethylene Lead	100 70	X	I	X	X	X	A	X	X	A	X	X	X	X	X	X	X	X	X	X	X	V	V	V	V
Tetrahydrofuran	100 70	B	I	X	X	X	X	X	X	B	X	X	A	A	X	X	X	X	X	X	X	V	V	V	V
THF	100 70	B	I	X	X	X	X	X	X	B	I	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Thionyl Chloride	100 70	X	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tin Chloride	100 70	A	A	A	A	A	A	A	A	A	B	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Tin Tetrachloride	150 70	B	A	A	A	A	I	A	A	A	B	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Titanium Tetrachloride	100 70	B	X	X	X	X	A	B	X	A	I	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Toluene	100 70	A	I	X	X	X	X	X	X	X	X	X	A	A	X	X	X	X	X	X	X	V	V	V	V
Toluidine	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Toluol	100 70	A	I	X	X	X	A	X	X	A	X	X	X	X	X	X	X	X	X	X	X	V	V	V	V
Transformer Oil	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Transmission Oil "A"	150 70	B	I	X	X	X	A	X	X	A	I	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Tributoxy Ethylsulphate	100 70	I	I	A	X	X	A	X	X	A	X	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Tributyl Amine	100 70	A	A	A	X	B	I	B	I	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tributyl Phosphate	100 70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I
Trichlorobenzene	100 70	B	X	X	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I
Trichloroethane	100 70	A	X	X	X	X	A	X	X	X	X	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Trichloroethylene	100 70	X	X	X	X	X	A	X	X	X	X	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Trichloropropane	100 70	A	X	X	X	X	A	X	X	X	I	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Tricresylphosphate	100 70	A	I	A	X	X	A	X	X	A	I	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Tridecanol	100 70	A	I	A	A	A	B	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	B	E	E
Triethanolamine	100 70	A	I	A	X	B	X	B	X	A	B	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Triethylamine	100 70	A	A	A	A	B	I	B	I	A	I	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Triethylene Glycol	150 70	A	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Trifluralin (Trefalin)	100 70	A	I	X	X	X	A	X	X	A	I	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Triphenyl Phosphate	100 70	A	X	A	X	X	I	X	X	X	I	I	I	I	I	I	I	I	I	I	I	V	V	V	V
Tripolyphosphate	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Trisodium Phosphate	150 70	A	A	A	A	A	A	A	A	A	B	A	I	I	I	I	I	I	I	I	I	S	B	E	E
Turpentine	100 70	A	X	X	X	X	A	X	X	A	B	X	A	A	A	A	A	A	A	A	A	V	B	E	E
Undecanol	100 70	B	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	I	I	I	V	B	E	E
Urea	100 70	A	B	A	I	I	X	I	X	I	A	A	I	I	I	I	I	I	I	I	I	V	B	E	E
V.M. & P. Naphtha	100 70	A	I	X	X	X	A	A	A	A	I	I	I	I	I	I	I	I	I	I	I	S	V	B	E
Vinyl Acetate	100 70	A	X	A	A	B	X	X	X	A	I	X	X	I	I	I	I	I	I	I	I	V	V	V	V
Vinyl Benzene	100 70	A	X	X	X	X	A	X	X	A	I	X	X	I	I	I	I	I	I	I	I	V	V	V	V

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			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	FKM	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	FKM	BUNA	EPDM			
			N/R																									
			N/R																									
Vinyl Chloride																												
Vinyl Ether																												
Vinyl Toluene	100	70	A	X	X	X	X	X	A	A	I	I	I	I	I	I	I	I	I	T		V						
Vinyl Trichloride	100	70	A	X	X	A	A	X	X	A	I	I	I	A	A	I	I	I	I	T		V						
Water	180	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	S	V	B	E				
Wax	100	70	A	I	X	X	X	X	X	X	I	I	I	A	A	I	I	I	I	T		V	B					
White Oil	100	70	A	X	X	X	X	X	I	A	I	I	I	I	I	I	I	I	I	T		V	B					
Wood Alcohol	100	70	A	I	A	A	A	A	A	A	B	A	I	A	A	I	I	I	I	T	S		B	E				
Xylene (Xylol)	100	70	X	X	X	X	X	X	X	A	X	X	X	A	A	I	I	I	I	T		V						
Xylidine	100	70	B	X	X	X	X	X	X	X	I	I	I	B	A	I	I	I	I	T								
Zinc Carbonate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	B	X	X	X	T	S	V	B	E				
Zinc Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	X	A	X	X	X	X	T	S	V	B	E				
Zinc Chromate	150	70	A	B	A	X	I	I	X	B	A	I	I	I	I	I	I	I	I	T								
Zinc Phosphate	100	70	A	I	X	X	X	X	A	A	I	I	I	I	I	I	I	I	I	T	S		B	E				
Zinc Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	T	S		B	E				

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