

# Chemical Charts

## Continental ContiTech Chemical Resistance Chart Ratings and Definitions

**The Continental ContiTech Chemical Resistance Chart is to be used as a guide only.**

- A** The chemical is expected to have minor or no effect on the product. Product may be used for continuous service. Changes in working conditions, such as concentration of the chemical or temperature, may affect product performance and cause degradation of the product.
- B** The product may be used for continuous or intermittent service, however the product properties will be affected by the exposure to the chemical. Changes in working conditions, such as concentration of the chemical or temperature, may affect product performance and cause degradation of the product.
- X** The product should not be used with this chemical.
- I** Insufficient or no data available for this chemical. Further testing is recommended to determine compatibility of the chemical with the product.

**Caution:** Unless otherwise specified, the ratings applied to tube stocks are based on fully concentrated or saturated solutions at 100°F (38°C) under normal service conditions.

**Note:** Hose ratings are for the effect on the polymer only. The degree of resistance of a rubber compound to a specific chemical depends on many variables such as temperature, concentration, length of exposure, stability of chemical, etc. For a specific compound, many grades of polymers are available which can alter the compound's chemical resistance.

**WHEN IN DOUBT,** before using a specific product, contact your local Continental ContiTech Sales Representative for assistance if unusual service conditions or high temperatures are present in the product application.

**This chemical resistance chart supersedes all previously published information regarding Continental ContiTech chemical hose resistance ratings.**

**Air & Multipurpose**  
General Purpose  
Heavy Duty  
Push-on

Chemical Transfer

Cleaning Equipment

**Food**  
Transfer  
Washdown

Marine

**Material Handling**  
Abrasives  
Bulk Transfer  
Cement & Concrete

Mining

**Petroleum**  
Aircraft Fueling  
Dispensing  
Dock  
Transfer

Spray

Steam

Vacuum

LPG Delivery

**Water**  
Discharge  
Suction & Discharge  
Washdown

Welding

Coupling Systems

Equipment

Appendix

# Chemical Charts

	Common Name & Description	Continental ContiTech Trade Name	Continental ContiTech Product Examples with Polymer in the Tube
<b>Air &amp; Multipurpose</b> General Purpose Heavy Duty Push-on	UHMWPE (Ultra High Molecular Weight Polyethylene)	Pliosyn	Fabchem
	Butyl (Isobutylene and Isoprene)	Weatherex	Gray Flexwing
<b>Chemical Transfer</b>	Hypalon (Chlorosulfonated Polyethylene)	Hysunite	Yellow Flexwing
<b>Cleaning Equipment</b>	NR - Natural Rubber (Isoprene, natural)	Pureten	Tan Flexwing
	Viton	Flosyn	Orange Flexwing
<b>Food</b> Transfer Washdown	Nitrile		Flexwing Petroleum
	CPE (Chlorinated Polyethylene)	Chemrin	Brown Flexwing, ExtremeFlex Brown
<b>Marine</b>	EPDM (Ethylene Propylene Diene)	EPDM	Purple Flexwing, ExtremeFlex Purple
	EPDM (Heat Resistant)	Pyrosyn	Flexsteel 250 Steam, Whitewater
<b>Material Handling</b> Abrasives Bulk Transfer Cement & Concrete	Cross-Link Polyethylene (XLPE)	Speclar	Blue Flexwing, Green XLPE
	Alphasyn (Modified Cross-Link Polyethylene)	Alphasyn	Viper
<b>Mining</b>	Teflon		Hi-Per Insta-Lock
	316 Stainless Steel		Insta-Lock
<b>Petroleum</b> Aircraft Fueling Dispensing Dock Transfer	Aluminum		Insta-Lock
	Brass		
<b>Spray</b>			
<b>Steam</b>			
<b>Vacuum</b>			
<b>LPG Delivery</b>			
<b>Water</b> Discharge Suction & Discharge Washdown			
<b>Welding</b>			
<b>Coupling Systems</b>			
<b>Equipment</b>			

Caution: This chart and the following chemical resistance charts are intended to reflect the various tube compounds as they pertain to Continental ContiTech petroleum and chemical hose. Always use a Continental ContiTech petroleum or chemical hose when the hose is to be used for conveyance of petroleum or chemicals. Consult the following pages for chemical compatability of the various tube stocks.

Hypalon® is a registered trademark of DuPont Dow Elastomers L.L.C.  
 Viton® is a registered trademark of DuPont Dow Elastomers L.L.C.  
 Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.

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 I = Insufficient data, contact Customer Service      X = Do not use

**Gasket**

T = Teflon®      N = Neoprene      V = Viton®  
 S = Silicone      B = Nitrile

Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>A</b>																
Acetaldehyde	100	B	B	X	X	X	X	I	A	A	A	A	A	B	X	TS
Acetic Acid, Conc.	100	A	A	X	B	X	X	A	A	A	A	A	A	B	X	T
Acetic Acid, Dilute 10	150	B	A	X	A	X	X	A	A	A	A	A	I	X	TVN	
Acetic Acid, Glacial	100	A	B	X	X	X	X	A	A	A	A	A	B	X	TS	
Acetic Aldehyde	100	A	B	X	X	X	X	I	A	A	A	A	B	X	T	
Acetic Anhydride	100	B	A	B	X	X	X	A	A	A	A	A	B	X	TS	
Acetic Ester	100	B	B	X	X	X	X	B	A	A	A	A	A	A	TV	
Acetic Ether	100	B	B	X	X	X	X	B	A	A	A	A	A	A	T	
Acetic Oxide	100	B	A	B	X	X	X	A	A	A	A	A	B	X	T	
Acetone	100	A	A	X	B	X	X	A	A	A	A	A	A	I	T	
Acetone Cyanohydrin	100	B	A	X	X	X	X	A	A	A	A	I	I	I	TS	
Acetyl Acetone	100	B	B	X	X	X	X	B	I	A	A	I	B	I	T	
Acetyl Chloride	100	B	X	X	X	B	X	A	B	B	A	B	X	A	TV	
Acetyl Oxide	100	B	A	B	X	X	X	A	A	A	A	A	B	X	T	
Acetylene (dry)	100	A	A	A	A	A	A	A	A	A	X	A	I	I	TVBNS	
Acetylene Dichloride	100	B	X	X	X	A	X	I	I	A	X	A	I	A	X	TV
Acetylene Tetrachloride	100	B	X	X	X	A	X	I	I	A	I	A	A	X	X	TV
Acrolein	100	B	A	B	B	A	B	I	I	A	A	A	I	I	I	TV
Acrylic Acid	100	B	X	X	X	A	X	X	X	A	A	A	I	I	I	TV
Acrylonitrile	100	B	X	X	X	X	X	A	X	B	A	A	A	X	I	T
Alk-Tri	100	I	X	X	X	A	X	I	I	A	I	A	A	I	I	TV
Allyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	A	TBN	
Allyl Bromide	100	B	X	X	X	B	X	B	I	B	I	A	I	I	T	
Allyl Chloride	100	B	X	X	X	B	X	B	X	B	I	A	A	X	X	TS
Alum	150	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS	
Aluminum Acetate	100	A	A	A	X	X	X	A	A	A	A	A	I	X	T	
Aluminum Chloride	150	A	A	A	A	A	A	A	A	A	A	A	I	X	TVB	
Aluminum Formate	100	A	B	X	X	X	X	I	I	A	A	A	I	I	T	
Aluminum Hydroxide	150	A	A	B	A	X	B	A	A	A	A	A	I	X	TS	
Aluminum Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS	
Aminoethanol	100	A	A	B	B	I	B	A	I	A	A	A	B	I	TBN	
Aminoethylethanolamine	100	A	A	B	B	I	B	A	A	A	A	A	I	I	T	
Ammonia	---	<b>No Hose Recommended For This Application</b>														
Ammonia Cupric Sulfate	150	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVB
Ammonium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN	
Ammonium Hydroxide	150	A	A	B	A	X	X	A	X	A	A	A	X	I	TNS	
Ammonium Nitrate	150	<b>Special Hose Required</b>														
Ammonium Phosphate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Ammonium Sulfate	150	A	A	A	A	A	X	A	A	A	A	A	X	X	TVNS	

\* Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see the initial page of these Chemical Charts in Appendix B. Contact Customer Service for chemicals or polymers not listed at 800-235-4632.

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**T** = Teflon®

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**S** = Silicone

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Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>A</b>																
Ammonium Sulfide	150	A	A	A	A	A	X	A	A	A	A	A	X	X	TVN	
Ammonium Sulfite	150	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBN	
Ammonium Thiosulfate	100	A	A	A	A	A	A	A	A	A	A	A	B	X	TVBN	
Amyl Acetate	100	A	A	B	X	X	X	X	B	A	A	A	A	I	T	
Amyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	A	TBNS	
Amyl Chloride	100	A	X	X	X	A	X	X	X	A	B	A	A	X	I	TV
Amyl Oleate	100	A	X	X	X	I	B	I	I	A	I	A	I	I	I	T
Amyl Phenol	100	A	X	X	X	A	X	I	I	A	I	A	I	I	I	TV
Amyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Amylamine	100	A	B	X	X	X	X	B	X	A	I	A	I	I	I	T
Anethole	100	X	X	X	X	B	X	X	I	X	I	A	I	I	I	T
Anhydrous Ammonia	---	<b>No Hose Recommended For This Application</b>														
Aniline	100	A	A	X	X	A	X	B	A	A	A	A	A	B	X	TV
Animal Grease	100	A	X	X	X	A	A	B	X	A	A	A	A	A	I	TVB
Animal Oils	100	A	B	X	X	A	A	A	X	A	B	A	A	A	I	TVB
Antimony Pentachloride	100	A	X	X	X	I	X	I	X	B	B	A	I	I	I	T
Aqua Ammonia	150	A	A	B	A	A	B	B	B	A	A	A	A	X	I	TV
Aromatic Spirits	100	A	X	X	X	A	X	I	X	A	I	A	A	I	I	TV
Aromatic Tar	100	A	X	X	X	A	X	B	X	A	I	A	I	I	I	TV
Arquads	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Arsenic Acid	100	A	A	A	A	I	X	A	A	A	A	A	A	X	X	TVS
Arsenic Chloride	100	I	X	X	X	X	X	X	X	X	X	A	I	I	I	TN
Arsenic Trichloride	100	I	X	X	X	X	X	X	X	X	X	A	X	I	I	TN
Asphalt	500	<b>Special Hose Required</b>														
ASTM #1 Oil	100	A	X	B	X	A	A	A	X	A	A	A	A	A	I	TVBNS
ASTM #2 Oil	100	A	X	X	X	A	A	A	X	A	A	A	A	A	A	TVB
ASTM #3 Oil	100	A	X	X	X	A	A	A	X	A	A	A	A	A	A	TVB
<b>B</b>																
Barium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBN
Barium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBN
Barium Hydroxide	150	A	A	A	A	B	A	A	A	A	A	A	A	X	X	TBNS
Barium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	B	A	X	TVBS
Barium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBS
Benzal Chloride	100	A	B	I	I	I	X	X	I	A	I	A	B	X	I	T
Benzaldehyde	100	A	B	X	X	X	X	X	B	A	B	A	A	B	I	T
Benzene (Benzol)	100	A	X	X	X	A	X	X	X	B	B	A	A	A	A	TV
Benzine (Ligroin)	100	A	X	X	X	A	A	I	X	A	B	A	A	A	I	TVB
Benzine Solvent (Ligroin)	100	A	X	X	X	A	A	I	X	A	I	A	A	A	I	TVBS

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Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>B</b>																
Benzoic Acid	100	A	B	B	X	I	I	A	B	A	A	A	B	B	X	TVN
Benzoic Aldehyde	100	A	B	X	X	X	X	X	B	A	I	A	A	I	B	T
Benzotrichloride	100	X	I	I	I	I	X	X	X	X	A	I	I	I	I	T
Benzoyl Chloride	100	X	I	I	I	I	X	X	X	B	X	A	B	I	I	T
Benzyl Acetate	100	A	A	B	X	X	X	B	I	A	B	A	B	I	I	T
Benzyl Alcohol	100	A	A	X	X	A	X	A	X	A	A	A	A	B	I	TVS
Benzyl Chloride	100	A	X	X	X	A	X	X	X	A	I	A	A	X	X	T V
Bichromate of Soda	150	A	A	X	I	I	I	I	I	A	A	A	I	I	I	T
Black Sulfate Liquor	150	A	X	B	B	B	B	A	B	A	A	A	A	X	X	TVBN
Black Sulfate Liquor	275	X	X	X	X	X	X	A	X	X	X	A	A	X	X	T
Bleach	100	X	B	X	X	B	X	I	A	X	B	A	X	X	X	T V
Brine	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBNS
Bromine	100	X	X	X	X	B	X	I	X	X	X	A	X	X	X	T V
Bromo Benzene	100	B	X	X	X	B	X	X	X	X	X	A	I	I	I	T V
Bromo Toluene	100	X	X	X	X	B	X	X	X	X	X	A	I	I	I	T
Bromochloromethane	100	X	B	X	X	B	X	X	I	X	A	A	A	X	X	T
Bunker C.	100	B	X	X	X	A	A	I	X	A	B	A	A	I	I	TVB
Bunker Oil	100	B	X	X	X	A	A	I	X	X	B	A	A	I	I	TVB
Butanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBN
Butyl (Normal) Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBN
Butyl (Secondary) Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBN
Butyl Acetate	100	A	A	B	X	X	X	B	B	A	B	A	A	B	I	T
Butyl Acetoacetate	100	A	X	X	X	X	X	X	I	A	B	A	I	I	I	T
Butyl Acrylate	100	B	X	X	X	X	X	B	X	B	B	A	I	I	I	T
Butyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBN
Butyl Aldehyde	100	A	B	X	X	X	X	B	X	A	B	A	X	A	X	T
Butyl Amine	100	A	B	X	X	X	X	B	X	A	B	A	A	A	I	T
Butyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	T V
Butyl Benzl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Butyl Bromide	100	B	X	X	X	B	X	X	X	B	B	A	I	I	I	T
Butyl Butyrate	100	B	X	X	X	X	X	X	I	B	I	A	I	I	I	T V
Butyl Carbitol	100	A	A	A	X	I	X	A	B	A	A	A	I	I	I	T
Butyl Cellosolve	100	A	A	A	X	X	X	A	A	X	A	A	A	A	X	T
Butyl Chloride	100	B	X	X	X	A	X	X	I	B	I	A	B	I	I	T V
Butyl Ether	100	A	X	B	X	X	B	A	X	A	A	A	A	I	I	T
Butyl Ethyl Acetaldehyde	100	A	B	X	X	X	X	I	I	A	B	A	I	I	I	T
Butyl Ethyl Ether	100	A	X	B	X	I	B	I	X	A	A	A	I	I	I	T

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	Temp. (°F)*	Continental ContiTech Chemical Hose / Hose Tube Polymer											Insta-Lock™ Fitting/Metal				
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<b>B</b>																	
Butyl Phthalate	100	A	A	X	X	X	X	I	I	A	A	A	A	A	A	I	T
Butyl Stearate	100	A	X	X	X	I	A	B	X	A	B	A	A	A	A	A	TBS
Butylate	100	A	I	I	I	I	I	I	A	I	I	I	I	I	I	I	I
Butyraldehyde	100	A	B	X	X	X	X	B	X	A	B	A	X	A	X	X	T
Butyric Acid	100	A	X	B	X	I	X	A	B	A	A	A	A	B	I	T	
Butyric Anhydride	100	A	X	B	X	I	X	I	I	A	I	A	I	I	I	T	
<b>C</b>																	
Cadmium Acetate	100	A	A	A	X	X	X	A	I	A	A	A	I	I	I	T	
Calcium Acetate	100	A	A	A	X	X	X	A	A	A	A	A	A	I	I	TB	
Calcium Aluminate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB	
Calcium Bichromate	150	X	A	X	I	I	I	I	I	X	I	A	I	I	I	T	
Calcium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN	
Calcium Bisulfite	150	A	A	A	A	A	A	A	A	I	A	A	A	X	X	TVBNS	
Calcium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS	
Calcium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBNS	
Calcium Hydroxide (Caustic Lime)	100	A	A	B	A	X	B	A	A	A	A	A	A	X	X	TNS	
Calcium Hypochlorite	100	B	B	X	X	B	X	A	B	X	A	A	A	X	X	T V	
Calcium Nitrate	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBN	
Calcium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	I	A	I	TVBN	
Calcium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBS	
Calcium Sulfhydrate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB	
Calcium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN	
Calcium Sulfite	150	A	A	A	X	A	A	A	A	A	A	A	B	B	X	TVBNS	
Caprylic Acid	100	A	X	B	X	I	X	A	I	A	A	A	B	I	X	T	
Carbitol	100	A	A	A	X	I	X	A	A	A	A	A	B	A	X	T	
Carbitol Acetate	100	A	B	B	X	I	X	I	I	A	A	A	I	I	I	T	
Carbolic Acid, Phenol	100	A	A	X	X	A	X	A	X	A	B	A	A	B	A	T V	
Carbon Dioxide	100	A	A	A	A	A	A	A	A	A	A	A	A	B	I	TVBNS	
Carbon Disulfide	---	<b>No Hose Recommended For This Application</b>															
Carbon Tetrachloride	100	B	X	X	X	A	X	X	X	A	B	A	A	I	I	T V	
Carbonic Acid	100	A	A	A	A	A	A	A	A	A	A	A	A	B	B	TVBS	
Casinghead Gasoline	100	B	X	X	X	A	A	B	X	B	B	A	I	I	I	TVB	
Caster Oil (Castor Oil)	100	A	A	A	X	A	A	A	A	A	A	A	A	A	I	TVBS	
Caustic Potash	150	A	A	B	A	X	B	A	B	A	A	A	A	X	X	T	
Caustic Soda	150	A	A	B	A	X	B	A	A	A	A	A	A	X	X	TNS	
Cellosize	100	A	A	X	X	I	X	I	I	A	A	A	I	I	I	T	
Cellosolve	100	A	A	A	X	X	X	I	A	A	A	A	A	A	X	T	
Cellosolve Acetate	100	A	B	B	X	X	X	X	B	A	A	A	A	I	X	T	

\* Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C) and 500°F (260°C).

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**Gasket**

**T** = Teflon®      **N** = Neoprene      **V** = Viton®  
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Continental ContiTech Chemical Hose / Hose Tube Polymer														Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket		
<b>C</b>																	
Chloracetic Acid	100	A	X	X	B	X	X	A	X	A	A	A	A	X	X	T	
Chlorinated Solvents	100	B	X	X	X	A	X	B	X	A	I	A	B	X	A	T V	
Chlorine (Dry) (Gas)	---	<b>No Hose Recommended For This Application</b>															
Chlorine (Wet)	100	X	X	X	X	B	X	X	X	X	A	X	X	X	X	T V	
Chloroacetone	100	A	I	X	X	X	X	X	A	I	A	A	X	X	T		
Chlorobenzene	100	B	X	X	X	A	X	X	X	A	B	A	B	I	T V		
Chlorobenzol	100	A	X	X	X	A	X	I	X	A	B	A	B	I	T V		
Chlorobutane	100	X	X	X	X	A	X	X	I	X	I	A	I	I	T V		
Chloroethylbenzene	100	A	X	X	X	A	X	I	X	A	I	A	I	I	T V		
Chloroform	100	B	X	X	X	B	X	X	X	X	B	A	B	I	T V		
Chloropentane	100	A	X	X	X	A	X	X	X	A	I	A	X	I	T V		
Chlorophenol	100	A	X	X	X	B	X	X	X	X	B	A	I	I	T V		
Chloropropanone	100	A	I	X	X	X	X	X	X	A	I	A	I	I	T		
Chlorosulfonic Acid	100	X	X	X	X	X	X	I	X	X	X	A	B	X	X	T	
Chlorothene	100	X	X	X	X	A	X	I	X	A	I	A	A	I	T V		
Chlorotoluene	100	X	X	X	X	A	X	X	X	X	I	A	A	I	T V		
Chlorpyrifos	100	I	I	I	I	I	I	I	X	I	I	I	I	I	I		
Chromic Acid 25%	100	B	X	B	X	I	X	A	X	X	B	A	B	X	X	T V	
Coal Oil	100	A	X	X	X	A	A	A	X	A	A	A	A	X	A	TVB	
Coal Tar	100	A	X	X	X	A	X	B	X	A	A	A	A	I	TVS		
Coal Tar Naptha	100	A	X	X	X	A	X	B	X	A	A	A	A	I	T V		
Copper Chloride	100	A	A	A	X	A	A	A	A	A	A	A	X	X	TVBNS		
Copper Hydrate	100	A	A	B	X	X	B	I	I	A	A	A	I	I	T B		
Copper Hydroxide	100	A	A	B	X	X	B	I	I	A	A	A	I	I	T B		
Copper Nitrate	100	A	A	A	X	A	A	A	A	A	A	A	A	X	TVBNS		
Copper Nitrite	100	A	A	A	X	A	A	A	A	A	A	A	I	I	TVB		
Copper Sulfate	100	A	A	A	X	A	A	A	A	A	A	A	A	X	TVBNS		
Copper Sulfide	100	A	A	A	X	A	A	A	A	A	A	A	I	I	TVB		
Creosols	100	A	A	X	X	A	X	A	X	A	B	A	A	I	X	T V	
Creosote	100	A	X	X	X	A	B	I	X	A	B	A	A	I	T V		
Cresylic Acid	100	A	A	X	X	I	X	X	X	A	I	A	A	B	X	T V	
Crotonaldehyde	100	A	A	X	X	X	X	A	I	A	A	A	I	I	T		
Crude Oil	100	A	X	X	X	A	A	B	X	A	B	A	A	A	TVB		
Cumene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	T V		
Cupric Carbonate	100	A	A	A	X	A	A	A	A	A	A	A	I	I	TVBN		
Cupric Chloride	100	A	A	A	X	A	A	A	A	A	A	A	B	X	TVBNS		
Cupric Nitrate	100	A	A	A	X	A	A	A	A	A	A	A	B	I	TVBN		
Cupric Nitrite	100	A	A	A	X	A	A	A	A	A	A	A	I	I	TVB		
Cupric Sulfate	100	A	A	A	X	A	A	A	A	A	A	A	I	I	TVBNS		
Cyclohexane	100	A	X	X	X	A	B	A	X	A	B	A	A	B	X	T V	

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<b>C</b>																	
Cyclohexanol	100	A	X	X	X	B	B	A	X	A	B	A	A	X	X	TVB	
Cyclohexanone	100	A	X	X	X	X	X	X	X	A	B	A	A	I	I	T	
Cyclopentane	100	A	X	X	X	A	B	B	X	A	B	A	I	I	I	TVN	
Cyclopentane, methyl	100	A	X	X	X	A	B	I	X	A	B	A	I	I	I	TV	
Cyclopentanol	100	A	X	X	X	B	B	A	X	A	A	A	I	I	I	TVB	
Cyclopentanone	100	A	X	X	X	X	X	X	X	A	B	A	I	I	I	T	
<b>D</b>																	
D.D.T. in Kerosene	100	A	X	X	X	A	A	A	X	A	B	A	I	I	A	TVB	
D.M.P.	100	X	X	X	X	X	X	X	X	X	A	A	A	I	I	TV	
Decalin	100	X	X	X	X	A	X	X	X	A	X	A	I	I	I	TV	
Decanol	100	A	A	A	X	B	A	A	A	A	A	A	I	I	I	TB	
Decyl Alcohol	100	A	A	A	X	B	A	A	A	A	A	A	I	I	I	TB	
Decyl Aldehyde	100	A	X	X	X	X	X	I	I	A	B	A	I	I	I	T	
Decyl Butyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T	
Denatured Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	B	A	TB	
Diacetone Alcohol	100	A	A	B	B	X	X	A	X	A	A	A	A	I	I	T	
Diamyl Phenol	100	A	X	X	X	A	X	A	X	A	I	A	I	I	I	TV	
Diamylamine	100	A	A	X	B	I	B	A	I	A	B	A	I	I	I	TB	
Diamylene	100	A	X	X	X	A	X	B	X	A	B	A	I	I	I	TV	
Dibenzyl Ether	100	A	B	X	X	I	X	X	X	A	B	A	A	A	X	T	
Dibromobenzene	100	B	X	X	X	A	X	I	X	A	I	A	I	I	I	TV	
Dibutyl Amine	100	A	X	X	B	X	B	A	X	A	A	A	I	I	I	T	
Dibutyl Ether	100	A	X	B	X	X	X	A	X	A	A	A	A	A	X	T	
Dibutyl Phthalate	100	A	A	X	X	X	X	X	A	A	A	A	A	A	I	TV	
Dibutyl Sebacate	100	A	A	X	X	X	X	B	X	A	I	A	I	I	I	TVS	
Dicalcium Phosphate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB	
Dicamba	100	A	I	I	I	I	I	I	A	A	I	A	I	I	I	T	
Dichloroacetic Acid	100	A	X	X	B	X	X	B	I	A	I	A	I	I	I	T	
Dichlorobenzene	100	A	X	X	X	A	X	X	X	A	B	A	A	B	I	TV	
Dichlorobutane	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	TV	
Dichlorodifluoromethane	100	I	X	X	X	B	B	I	X	I	X	A	I	I	I	TVB	
Dichloroethane	100	A	X	X	X	A	X	X	X	A	A	A	I	A	I	TV	
Dichloroethyl Ether	100	A	X	X	X	I	X	B	X	A	B	A	I	I	I	T	
Dichloroethylene	100	X	X	X	X	A	X	I	I	X	X	A	I	A	X	TV	
Dichlorohexane	100	A	X	X	X	A	X	X	X	A	A	A	I	I	I	TV	
Dichloropentane	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	TV	
Dichloropropane	100	A	X	X	X	A	X	X	X	B	I	A	A	X	I	TV	
Diesel Oil	150	A	X	X	X	A	A	A	X	A	B	A	A	A	I	TVB	
Diethanol Amine	100	A	A	X	B	I	B	A	I	A	A	A	A	I	I	T	
Diethyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	TV	

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<b>D</b>																
Diethyl Carbinol	100	A	A	A	A	B	A	I	I	A	A	A	I	I	I	TBN
Diethyl Ketone	100	A	B	X	X	X	X	X	X	A	B	A	I	I	I	T
Diethyl Oxalate	100	A	B	X	B	I	X	A	X	A	B	A	I	I	I	T
Diethyl Phthalate	100	A	A	X	X	X	X	B	X	A	B	A	I	I	I	T
Diethyl Sebacate	100	A	A	X	X	X	X	B	X	A	B	A	A	A	I	T
Diethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	X	I	I	TNS
Diethyl Triamine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	I	T B
Diethylamine	100	A	A	X	B	I	B	B	B	A	B	A	A	I	X	T B
Diethylene Dioxide	100	A	B	X	X	X	X	B	A	A	A	A	X	X	X	T
Diethylene Glycol	100	A	A	A	A	A	A	X	A	A	A	A	A	B	A	TVBN
Diethylene Triamine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	X	T
Dihydroxydiethyl Ether	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Dihydroxyethyl Amine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	I	T B
Diisobutyl Ketone	100	A	B	X	X	X	X	I	B	A	B	A	I	I	I	T
Diisobutylene	100	A	X	X	X	A	A	X	X	A	B	A	A	I	I	TVB
Diisooctyl Adipate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisooctyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisocyanate	100	X	X	X	X	X	X	X	X	X	B	A	I	I	I	T
Diisodecyl Adipate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisodecyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisopropanol Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	T B
Diisopropyl Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	T B
Diisopropyl Ether	100	A	X	B	X	I	B	I	X	A	B	A	A	I	I	T B
Diisopropyl Ketone	100	A	B	X	X	X	X	I	B	A	B	A	A	A	I	T
Dilauryl Ether	100	A	I	B	X	I	B	I	I	A	B	A	I	I	I	T B
Dimethyl Amine	---	<b>No Hose Recommended For This Application</b>														
Dimethyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	A	I	I	T V
Dimethyl Ether	100	A	X	B	X	I	B	I	X	B	B	A	I	I	I	T B
Dimethyl Ketone	100	A	A	X	B	X	X	A	A	B	A	A	A	A	I	T
Dimethyl Phenol	100	A	X	X	X	A	X	I	X	A	A	A	I	I	I	T V
Dimethyl Phthalate	100	A	A	X	X	X	X	A	B	A	A	A	A	I	I	T V
Dimethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	I	I	I	T
Dimethyl Sulfide	---	<b>No Hose Recommended For This Application</b>														
Dimethyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBNS
Dinitrobenzene	100	A	X	X	X	A	X	I	I	A	B	A	I	I	I	T V
Diocetyl Adipate	100	A	A	X	X	X	X	X	B	A	I	A	I	I	I	T
Diocetyl Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	T
Diocetyl Phthalate	100	A	B	X	X	A	X	X	X	A	A	A	A	I	I	T V

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<b>D</b>																
Diocetyl Sebacate	100	A	A	X	X	X	X	X	B	A	I	A	I	I	I	T V
Dioxane	100	A	B	X	X	X	X	B	X	A	A	A	A	I	I	T
Dioxolane	100	A	X	X	X	I	X	B	X	A	B	A	I	I	I	T
Diphenyl Phthalate	100	A	A	X	X	X	X	I	I	A	A	A	I	I	I	T
Dipropyl Ketone	100	A	B	X	X	X	X	X	I	A	A	A	I	I	I	T
Dipropylamine	100	A	A	X	B	I	B	B	I	A	A	A	I	I	I	T
Dipropylene Glycol	100	A	A	A	A	A	A	A	I	A	A	A	I	I	I	TVB
Disodium Phosphate	100	A	A	A	A	I	A	A	I	A	A	A	A	I	B	T B
Divinyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	T V
Dodecyl Benzene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Dodecyl Toluene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Dow-Per	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Dowtherm A	100	A	I	X	X	A	X	X	X	A	A	A	I	A	I	T V
Dowtherm E	100	A	X	X	X	A	X	X	X	A	A	I	I	X	I	V
Dowtherm SR-1	100	A	A	A	A	A	A	I	I	A	A	A	I	I	I	TVB
<b>E</b>																
Endolene	100	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Epichlorohydrin	---	<b>No Hose Recommended For This Application</b>														
Ethanol	100	A	A	A	A	B	A	A	A	A	A	A	A	B	A	TBN
Ethanol Amine	100	A	A	B	B	I	B	A	B	A	B	A	A	B	I	T B
Ethyl Acetate	100	A	B	X	X	X	X	B	A	A	A	A	A	A	A	T
Ethyl Acetoacetate	100	A	B	X	X	X	X	A	B	A	A	A	B	I	I	T
Ethyl Acrylate	100	A	X	X	X	X	X	B	X	B	B	A	A	A	A	T
Ethyl Alcohol	100	A	A	A	A	A	A	A	A	A	A	A	A	B	A	TVBNS
Ethyl Aldehyde	---	<b>No Hose Recommended For This Application</b>														
Ethyl Aluminum Dichloride	100	X	X	X	X	B	X	I	X	B	I	A	I	I	I	T V
Ethyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	A	A	X	T V
Ethyl Butanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Ethyl Butyl Acetate	100	A	A	B	X	X	X	I	I	A	B	A	I	I	I	T
Ethyl Butyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Ethyl Butyl Amine	100	A	A	X	B	I	B	I	I	I	I	A	I	I	I	T B
Ethyl Butyl Ketone	100	A	B	X	X	X	X	X	I	A	A	A	I	I	I	T
Ethyl Butyraldehyde	100	A	B	X	X	X	X	X	I	A	B	A	I	I	I	T
Ethyl Chloride	---	<b>No Hose Recommended For This Application</b>														
Ethyl Dichloride	100	B	X	X	X	B	X	X	X	B	B	A	I	I	I	T V
Ethyl Ether	---	<b>No Hose Recommended For This Application</b>														
Ethyl Formate	100	A	B	X	X	X	X	A	B	A	A	A	A	I	I	T V
Ethyl Hexanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TBN

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**T** = Teflon®      **N** = Neoprene      **V** = Viton®  
**S** = Silicone      **B** = Nitrile

Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>E</b>																
Ethyl Hexoic Acid	100	A	X	B	X	I	X	I	I	A	A	A	I	I	I	T
Ethyl Hexyl Acetate	100	A	A	B	X	X	X	I	I	A	B	A	I	I	I	T
Ethyl Hexyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TBN
Ethyl Iodide	100	X	X	X	X	B	X	X	X	B	B	A	I	I	I	T V
Ethyl Isobutyl Ether	100	A	X	B	X	I	B	I	X	A	B	A	I	I	I	T
Ethyl Methyl Ketone	100	A	B	X	X	X	X	I	I	A	A	A	A	A	A	T
Ethyl Oxalate	100	A	A	X	A	I	X	A	X	A	B	A	I	I	I	T V
Ethyl Phthalate	100	A	A	X	X	X	X	B	I	A	I	A	I	I	I	T
Ethyl Propyl Ether	100	A	X	B	X	I	B	A	X	A	B	A	I	I	I	T B
Ethyl Propyl Ketone	100	A	B	X	X	X	X	I	I	A	A	A	I	I	I	T
Ethyl Silicate	100	A	A	I	X	I	A	A	I	A	A	A	A	I	I	TBN
Ethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	X	I	I	TBS
Ethylamine	---	<b>No Hose Recommended For This Application</b>														
Ethylene Bromide	100	X	X	X	X	B	X	I	X	B	B	A	A	X	I	T V
Ethylene Chloride	100	B	X	X	X	B	X	I	X	B	B	A	A	B	I	T V
Ethylene Diamine	100	A	A	X	B	I	B	I	B	A	I	A	A	I	I	T B
Ethylene Dibromide	100	X	X	X	X	B	X	I	X	B	B	A	A	X	I	T V
Ethylene Dichloride	100	B	X	X	X	B	X	X	X	B	A	A	A	B	I	T V
Ethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	A	A	I	TVBNS
Ethylhexil Phosphordieth	100	I	X	X	I	I	A	A	X	X	I	I	I	I	I	B
Ex-Tri	100	A	X	X	X	A	X	I	I	A	B	A	I	I	I	T V
<b>F</b>																
Ferric Bromide	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Ferric Chloride	150	A	A	A	A	A	A	A	A	A	A	A	X	X	X	TVBNS
Ferric Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN
Ferrous Acetate	100	A	A	A	X	X	X	I	I	A	A	A	I	I	I	T
Ferrous Chloride	150	A	A	A	A	B	A	A	A	A	A	A	I	X	X	T B
Ferrous Hydroxide	100	A	A	B	A	X	B	I	I	A	A	A	B	I	I	T N
Ferrous Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBN
Fluoboric Acid 65%	150	B	A	A	A	I	I	A	I	I	A	A	I	I	X	T N
Fluorine (wet)	100	X	X	X	X	X	X	X	X	X	X	B	X	X	X	T
Fluosilicic Acid 50%	150	B	A	A	A	I	I	A	I	I	A	A	A	X	X	T N
Formaldehyde 40%	100	A	A	A	B	B	A	A	A	A	A	A	A	B	I	T B
Formalin	100	A	A	A	B	A	A	A	A	A	A	A	A	B	I	TVB
Formic Acid	100	A	A	X	B	X	X	A	A	B	A	A	B	I	X	T V
Freon 12	100	A	X	X	X	B	B	I	X	B	X	A	A	I	I	T N
Freon 22	100	A	X	X	X	X	X	I	I	B	X	A	A	I	I	T N
Fuel A (ASTM)	100	B	X	X	X	A	A	I	X	B	B	A	A	A	A	TVB

\* Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

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<b>F</b>																
Fuel B (ASTM)	100	B	X	X	X	A	A	I	X	B	B	A	I	I	I	TVB
Fuel Oil	100	A	X	X	X	A	A	X	X	B	B	A	A	A	I	TVB
Furfural	100	A	A	I	I	X	X	A	B	A	A	A	A	A	X	T
Furfuryl Alcohol	100	A	X	I	I	X	I	A	I	A	A	A	A	A	I	T
<b>G</b>																
Gallic Acid	100	A	B	I	A	I	I	A	B	I	B	A	B	I	I	T S
Gasoline	100	B	X	X	X	A	A	B	X	B	B	A	A	I	I	TVB
Glacial Acetic Acid	100	A	B	X	X	X	X	B	A	A	A	A	A	B	X	T
Glucuronic Acid	100	A	X	B	X	I	X	A	I	A	A	A	X	X	A	T
Glycerin	100	A	A	A	A	A	A	A	A	B	A	A	A	A	A	TVBNS
Glyphosate	100	A	I	I	I	I	I	I	A	I	I	I	I	I	I	I
Graffinite	100	I	X	X	X	X	A	A	X	X	I	I	I	I	I	B
Grease	100	A	X	X	X	A	A	I	X	B	A	A	A	A	A	TVB
Green Sulfate Liquor	150	A	A	A	A	I	A	A	A	A	A	A	A	X	X	TBS
<b>H</b>																
Heptanal	100	A	X	X	X	X	X	X	I	A	I	A	I	I	I	T B
Heptane	100	A	X	X	X	A	A	A	X	B	B	A	A	A	I	TVB
Heptane Carboxylic Acid	100	A	X	B	X	A	X	A	I	A	A	A	I	I	I	T V
Hexaldehyde	100	A	X	X	X	X	X	I	X	A	B	A	A	A	I	T
Hexane	100	B	X	X	X	A	A	B	X	B	B	A	A	A	A	TVB
Hexanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B
Hexyl Methyl Ketone	100	A	B	X	X	X	X	I	I	A	A	A	I	I	I	T
Hexylamine	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T
Hexylene	100	X	X	X	X	A	A	I	X	X	I	A	I	I	I	TVB
Hexylene Glycol	150	A	A	A	A	A	A	A	I	A	A	A	A	B	A	TVBN
Hexyl Alcohol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	T B
Hi-Tri	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Hydrobromic Acid (37%)	150	B	A	A	A	I	X	A	A	I	A	A	X	X	X	T N
Hydrochloric Acid 38% concentrated, fuming acid	125	A	B	X	I	I	X	X	I	A	I	A	X	X	X	T
Hydrochloric Acid 37%	125	A	B	A	B	X	X	A	B	A	A	A	X	X	X	T
Hydrofluoric Acid (10%)	125	A	A	A	X	I	X	A	I	A	A	A	A	X	X	T N
Hydrofluosilicic Acid	150	B	B	A	A	I	I	A	A	I	A	A	A	X	X	T
Hydrogen Dioxide 10%	100	B	X	X	X	A	X	I	I	I	I	A	A	B	X	T V
Hydrogen Dioxide over 10%	100	B	X	X	X	I	X	I	X	I	I	A	I	I	X	T
Hydrogen Gas	---	<b>No Hose Recommended For This Application</b>														
Hydrogen Peroxide 10% to 50%	100	B	X	X	X	A	X	A	I	I	I	A	I	B	I	TVS

\* Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).  
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Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>H</b>																
Hydrogen Peroxide over 50%	100	X	X	X	X	X	X	X	X	X	I	A	A	I	X	T
<b>I</b>																
Iodine	100	A	I	A	I	I	A	I	B	I	A	I	I	X	TVB	
Iron Acetate	100	A	A	A	X	X	X	I	I	A	A	A	I	I	I	TNS
Iron Hydroxide	100	A	A	B	X	X	B	I	I	A	A	A	I	I	I	T N
Iron Salts	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Iron Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Iron Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB
Isoamyl Acetate	100	A	A	B	X	X	X	I	X	A	B	A	I	I	I	T
Isoamyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	A	TBN
Isoamyl Bromide	100	B	X	X	X	B	X	I	X	B	I	A	I	I	I	T V
Isoamyl Butyrate	100	B	X	X	X	X	X	I	I	B	B	A	I	I	I	T
Isoamyl Chloride	100	X	X	X	X	B	X	I	I	X	B	A	I	I	I	T V
Isoamyl Ether	100	A	X	B	X	I	B	I	X	A	I	A	I	I	I	T
Isoamyl Phthalate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Isobutane	---	<b>No Hose Recommended For This Application</b>														
Isobutanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBNS
Isobutyl Acetate	100	A	A	B	X	X	X	B	X	A	B	A	A	B	I	T
Isobutyl Alcohol	100	A	A	A	A	B	X	A	A	A	A	A	A	I	I	TNS
Isobutyl Aldehyde	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T
Isobutyl Amine	100	A	B	X	X	X	X	I	I	A	B	A	I	I	I	T
Isobutyl Bromide	100	B	X	X	X	B	X	I	X	X	I	A	I	I	I	T V
Isobutyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	A	TBN
Isobutyl Chloride	100	B	X	X	X	B	X	I	X	X	I	A	I	I	I	T V
Isobutyl Ether	100	A	X	B	X	I	X	I	X	A	I	A	I	I	I	T B
Isobutylene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Isooctane	100	B	X	X	X	A	A	I	X	B	B	A	A	A	A	TVBS
Isopentane	---	<b>No Hose Recommended For This Application</b>														
Isophorone	100	B	A	I	I	I	X	I	A	B	B	A	B	A	I	T
Isopropanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TVBS
Isopropanol Amine	100	A	A	X	B	X	B	I	I	A	B	A	I	I	I	T B
Isopropyl Acetate	100	A	A	X	X	X	X	B	X	A	A	A	A	I	I	T
Isopropyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	TBNS
Isopropyl Amine	100	A	B	X	X	X	X	I	I	A	B	A	I	I	I	T
Isopropyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	T V
Isopropyl Chloride	---	<b>No Hose Recommended For This Application</b>														
Isopropyl Ether	100	A	X	B	X	I	X	I	X	A	B	A	A	I	I	T B
Isopropyl Toluene	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	T V

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<b>J</b>																
Jet Fuels	---	<b>Special Hose Required</b>										A	A	A	TVB	
<b>K</b>																
Kerosene	100	A	X	X	X	A	A	A	X	A	A	A	A	A	I	TVB
<b>L</b>																
Lauryl Alcohol	100	A	A	A	A	B	A	A	A	A	A	I	I	I	T B	
Lead Acetate	100	A	A	X	X	X	X	A	B	A	A	A	X	X	T	
Lead Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN	
Ligroin	100	A	X	X	X	A	A	I	X	A	B	A	A	I	T V B	
Linseed Oil	100	A	A	B	X	A	A	A	B	I	A	A	A	A	vTVBNS	
Liquefied Natural Gas (LNG)	---	<b>No Hose Recommended For This Application</b>														
Liquefied Petroleum Gas (LPG)	---	<b>No Hose Recommended For This Application</b>														
Lubricating Oils	100	A	X	X	X	A	A	I	X	A	I	A	A	A	T V B	
<b>M</b>																
MIBK	100	A	X	X	X	X	X	X	X	A	B	A	X	X	X	T
M.E.K.	100	A	X	X	X	X	X	X	X	A	B	A	X	X	X	T
Magnesium Acetate	100	A	A	A	X	X	X	A	I	A	A	A	I	I	I	T
Magnesium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBS
Magnesium Hydrate	150	A	A	B	A	B	B	I	I	A	A	A	A	X	I	T N
Magnesium Hydroxide	150	A	A	B	A	B	B	A	A	A	A	A	A	X	I	TVBN
Magnesium Sulfate	150	A	A	A	A	A	A	A	B	A	A	A	A	I	I	TVBNS
Maleic Acid	100	A	X	X	X	I	X	I	I	B	I	A	A	B	X	T V
Malic Acid	150	B	I	A	A	I	I	I	I	I	I	A	A	B	X	TVBNS
Manganese Sulfate	150	A	A	A	X	A	A	A	A	A	A	A	A	I	I	TVBN
Manganese Sulfide	150	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVB
Manganese Sulfite	150	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVB
Methanol	100	A	A	A	A	X	A	A	A	A	A	A	A	I	I	T B
Mesityl Oxide	100	A	B	X	X	X	X	B	X	A	B	A	A	I	I	T
Methyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Methyl (Wood) Alcohol	100	A	A	A	A	X	A	A	A	A	A	A	A	I	I	TBNS
Methyl Acetate	100	A	A	B	X	X	X	A	A	A	A	A	A	I	I	T
Methyl Acetoacetate	100	A	B	X	X	X	X	A	I	A	A	A	I	I	I	T
Methyl Acetone	---	<b>No Hose Recommended For This Application</b>														
Methyl Amyl Acetate	100	B	A	B	X	X	X	I	X	A	B	A	I	I	I	T
Methyl Amyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	TBN
Methyl Amyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Methyl Amyl Ketone	100	A	B	X	X	X	X	X	I	A	B	A	I	I	I	T
Methyl Benzene	100	A	X	X	X	A	X	X	X	A	B	A	A	A	A	T V
Methyl Butanol	100	A	A	A	A	B	A	A	I	A	A	A	A	I	A	TBN

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<b>M</b>																
Methyl Butanone	100	A	B	X	X	X	X	B	B	A	B	A	I	I	I	T
Methyl Butyl Ketone	100	A	B	X	X	X	X	X	I	A	B	A	A	B	I	T
Methyl Carbitol	100	A	A	A	X	I	X	A	I	A	A	A	I	I	I	T
Methyl Cellosolve	100	A	A	A	X	I	X	A	A	A	A	A	A	B	A	T
Methyl Chloride	---	<b>No Hose Recommended For This Application</b>														
Methyl Cyclohexane	100	A	X	X	X	B	X	B	X	B	I	A	I	I	I	T V
Methyl Ethyl Ketone (M.E.K.)	100	A	X	X	X	X	X	X	X	A	B	A	X	X	X	T
Methyl Hexanol	100	A	A	A	B	A	A	A	A	A	A	A	I	I	I	TVB
Methyl Hexanone	100	A	B	X	X	X	X	X	I	A	B	A	I	I	I	T
Methyl Hexyl Ketone	100	A	B	X	X	X	X	X	I	A	B	A	I	I	I	T
Methyl Isobutyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	B	I	I	TBN
Methyl Isobutyl Ketone (MIBK)	100	A	X	X	X	X	X	X	X	A	B	A	X	X	X	T
Methyl Isopropyl Ketone	100	A	B	X	X	X	X	B	B	A	B	A	A	I	I	T
Methyl Normal Amyl Ketone	100	A	B	X	X	X	X	I	I	A	B	A	I	I	I	T
Methyl Propyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Methyl Propyl Ether	100	A	X	B	X	I	X	I	X	A	B	A	I	I	I	T
Methyl Propyl Ketone	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T
Methyl Tertiary Butyl Ether (MTBE)	100% Concentrate	X	X	X	X	X	X	X	X	A	B	I	I	I	I	I
Methylallyl Acetate	100	A	A	B	X	X	X	I	A	A	A	A	I	I	I	T
Methylallyl Chloride	100	A	X	X	X	X	X	X	I	B	I	A	I	I	I	T
Methyldiethanolamine	100	A	X	X	X	X	A	A	X	A	A	A	I	I	I	T B
Methylene Bromide	100	B	X	X	X	B	X	I	X	B	A	A	I	I	I	T V
Methylene Chloride	---	<b>No Hose Recommended For This Application</b>														
Metribuzin	100	A	I	I	I	I	I	I	A	I	I	A	I	I	I	T
Mineral Spirits	100	A	X	X	X	B	A	I	X	A	B	A	A	A	I	T B
Monochloroacetic Acid	100	A	X	X	B	I	X	A	X	A	A	A	A	X	X	T
Monochlorobenzene	100	B	X	X	X	A	X	X	X	B	B	A	A	B	B	T V
Monochlorodifluoromethane	100	I	X	X	X	X	X	I	I	I	I	A	A	I	I	T N
Monoethanol Amine	100	A	A	X	B	I	B	A	B	A	B	A	A	B	I	T N
Monoethyl Amine	---	<b>No Hose Recommended For This Application</b>														
Monoisopropanol Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	TBw

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**T** = Teflon®

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	Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
	Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>M</b>																	
Methylpyrrolidone	100	A	X	X	X	X	X	X	X	A	I	A	I	I	I	T	
Muriatic Acid	125	A	X	X	A	I	X	A	X	A	A	A	X	X	X	T	
<b>N</b>																	
Naphtha	100	A	X	X	X	A	A	A	X	A	A	A	A	A	I	TVBN	
Naphthalene	100	A	X	X	X	A	X	I	X	A	I	A	A	B	I	TV	
Natural Gas	---	<b>No Hose Recommended For This Application</b>															
Neohexane	100	A	X	X	X	A	A	B	X	A	B	A	A	A	I	TVB	
Neu-Tri	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV	
Nickel Chloride	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBS	
Nickel Nitrate	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	TVBN	
Nickel Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS	
Nitric Acid 25%	100	B	B	X	X	X	X	X	X	B	A	A	A	X	X	TV	
Nitric Acid 37%	100	X	X	X	X	X	X	X	X	X	A	A	A	X	X	TV	
Nitric Acid 40%-60%	100	X	X	X	X	X	X	X	X	B	A	A	A	X	X	TV	
Nitric Acid 70%	100	X	X	X	X	X	X	X	X	B	A	B	A	X	X	T	
Nitro Benzene	100	A	X	X	X	B	X	X	X	A	B	A	A	B	X	T	
Nitrogen Gas	100	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBNS	
Nitrous Oxide	100	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS	
Nonenes	100	A	X	X	X	A	A	I	X	A	B	A	I	I	I	V B	
<b>O</b>																	
Octadecanoic Acid	100	A	B	X	X	I	A	A	B	A	A	A	A	B	A	T B	
Octane	100	B	X	X	X	A	A	A	X	B	B	A	B	I	B	TVB	
Octanol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	TBN	
Octyl Acetate	100	A	A	A	X	X	X	X	I	A	B	A	I	I	I	T	
Octyl Alcohol	100	A	A	A	A	B	A	A	X	A	A	A	A	I	I	T B	
Octyl Aldehyde	100	A	X	X	X	X	X	I	I	A	I	A	I	I	I	T	
Octyl Amine	100	A	B	X	X	X	X	B	I	A	B	A	I	I	I	T	
Octyl Carbinol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B	
Octylene Glycol	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB	
Oil Petroleum	100	B	X	X	X	A	A	A	X	A	B	A	A	A	X	TVB	
Oleic Acid	100	A	B	X	X	I	B	A	X	A	B	A	A	B	X	T B	
Oleum	100	X	X	X	X	X	X	X	X	X	X	A	I	X	X	TV	
Organic Fatty Acids	100	A	X	X	X	X	A	A	X	A	B	A	A	I	I	T B	
Orthodichlorobenzene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	TV	
Orthodichlorobenzol	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	TV	
Orthoxylene	100	B	X	X	X	A	X	I	X	A	B	A	I	I	I	TV	
Oxalic Acid	100	A	A	X	X	I	X	A	B	I	B	A	A	B	X	T S	
Oxygen	---	<b>No Hose Recommended For This Application</b>															
Ozone	100	A	B	B	X	I	X	A	A	I	B	A	I	I	I	T S	

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Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>P</b>																
Palmitic Acid	100	A	A	B	X	I	A	A	B	B	A	A	I	X	TBS	
Papermakers Alum	150	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN	
Paradichlorobenzol	100	B	X	X	X	A	X	I	X	A	I	I	I	I	T V	
Paraffin	150	A	B	X	X	A	A	A	X	X	I	A	A	A	TVB	
Paraldehyde	100	A	B	X	X	X	X	I	B	A	B	A	A	I	T	
Paraxylene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	T V	
Pelargonic Acid	100	A	A	X	X	I	A	I	I	A	I	A	I	I	T B	
Pentachloroethane	100	A	X	X	X	A	X	I	X	A	I	A	A	B	X T V	
Pentane	---	<b>No Hose Recommended For This Application</b>														
Pentanol	100	A	A	A	A	B	A	A	A	A	A	I	I	I	TBN	
Pentanone	100	A	B	X	X	X	X	B	I	A	B	A	I	I	T	
Perchloroethylene	100	B	X	X	X	A	X	X	X	A	B	A	A	B	X T V	
Petroleum Ether (Ligroin)	100	A	X	X	X	A	A	A	X	A	B	A	A	A	TVB	
Petroleum - Crude	100	A	X	X	X	A	A	A	X	A	B	A	A	A	TVB	
Petroleum Oils	100	A	X	X	X	A	A	A	X	A	B	A	A	A	TVB	
Phenol	125	A	A	X	X	A	X	A	X	A	B	A	A	B	T V	
Phenolsulfonic Acid	100	X	X	X	X	X	X	A	I	B	B	A	B	I	T	
Phenyl Chloride	100	A	X	X	X	A	X	X	X	A	B	A	A	B	T V	
Phosphoric Acid 10%	150	A	A	A	A	X	A	A	A	A	A	A	A	X	TVBN	
Phosphoric Acid 10-85%	100	A	A	A	B	X	X	A	A	A	A	A	A	X	TVN	
Pine Oil	100	A	X	X	X	A	X	B	X	A	B	A	A	I	X T V	
Pinene	100	A	X	X	X	A	B	B	X	A	B	A	B	I	T V	
Polyethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBN	
Polypropylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	TVB	
Potassium Acetate	100	A	A	B	X	X	X	A	B	A	A	A	A	X	T B	
Potassium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	TVBN	
Potassium Bisulfite	150	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBN	
Potassium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	TVBNS	
Potassium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	TVBNS	
Potassium Chromate	150	B	A	X	I	I	I	A	I	B	B	A	B	I	TVBN	
Potassium Dichromate	150	B	A	X	I	I	I	A	I	B	B	A	A	B	TVBNS	
Potassium Hydrate	150	A	A	B	A	X	B	A	B	A	A	A	A	X	T S	
Potassium Hydroxide	150	B	A	B	A	X	B	A	B	A	A	A	A	X	T N	
Potassium Nitrate	150	A	A	A	A	A	A	A	A	A	A	A	A	B	TVBNS	
Potassium Permanganate	100	A	A	A	A	A	B	I	I	A	A	A	A	I	TVS	
Potassium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	TVBNS	
Potassium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	B	TVBNS	
Potassium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	TVBNS	

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Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>P</b>																
Potassium Sulfite	150	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS	
Propanediol	100	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBS	
Propane Gas	---	X	X	X	X	X	X	X	X	X	X	X	X	X	TVB	
Propanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	TVB	
Propyl Acetate	100	A	A	B	X	X	X	B	X	A	B	A	A	I	T	
Propyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	T B	
Propyl Aldehyde	100	A	B	X	X	X	X	X	I	A	B	A	I	I	T	
Propyl Chloride	---	<b>No Hose Recommended For This Application</b>														
Propylene Diamine	100	A	A	X	B	I	B	A	I	A	I	A	I	I	T B	
Propylene Dichloride	100	B	X	X	X	B	X	X	X	B	I	A	A	X	T V	
Propylene Glycol	100	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBS	
Propylene Tetramer	100	A	X	X	X	X	A	A	X	A	B	I	I	I	B	
<b>S</b>																
Sea Water	100	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS	
Sewage	100	A	X	A	X	I	A	A	A	A	A	A	X	I	TBNS	
Silicate of Soda	100	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS	
Soap	100	A	X	X	X	X	A	A	X	X	I	A	X	X	TBNS	
Soda Ash	100	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBNS	
Soda, Caustic	100	A	A	B	A	X	B	A	A	A	A	A	X	X	TNS	
Soda, Lime	100	A	A	B	A	X	B	A	A	A	A	I	I	I	TVB	
Soda, Niter	100	A	A	A	A	A	A	A	B	A	A	A	B	I	TVB	
Sodium Acetate	100	A	A	A	X	X	A	A	B	B	A	A	I	A	TNS	
Sodium Aluminate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBN	
Sodium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS	
Sodium Bisulfite	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS	
Sodium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBNS	
Sodium Chloride (Brine)	150	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBNS	
Sodium Chromate	150	X	A	X	I	I	A	I	X	I	A	A	A	A	TVBN	
Sodium Dichromate	150	A	A	X	I	I	A	A	A	A	A	A	I	X	T	
Sodium Hydrate	150	A	A	B	A	X	B	A	A	A	A	B	X	X	T N	
Sodium Hydrosulfide	100	A	X	X	X	X	A	A	X	A	I	A	B	I	T B	
Sodium Hydroxide (50%)	150	A	A	B	A	X	B	A	A	A	A	A	X	X	TBN	
Sodium Hypochlorite	100	B	B	X	X	B	X	A	A	X	B	A	X	X	TVS	
Sodium Nitrate	150	A	A	A	A	A	A	A	B	A	A	A	B	I	TVBNS	
Sodium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS	
Sodium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	B	X	TVBNS	
Sodium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBN	
Sodium Sulfite	150	A	A	A	A	A	A	A	B	A	A	A	I	I	TVBNS	
Sodium Sulphhydrate	100	A	X	X	X	X	A	A	X	A	B	A	I	I	T B	

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<b>S</b>																
Sodium Thiosulfate	150	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBNS	
Stannic Chloride	150	A	A	A	A	I	A	A	A	A	A	X	X	X	T B	
Stannic Sulfide	150	A	A	A	A	I	A	A	A	A	A	I	I	I	TBN	
Stannous Chloride	150	A	A	A	A	I	A	A	B	A	A	A	X	X	T B	
Stannous Sulfide	150	A	A	A	A	I	A	A	A	A	A	I	I	I	T B	
Stearic Acid	100	A	B	X	X	I	A	A	B	A	A	A	B	A	TVB	
Stoddard Solvent	100	A	X	X	X	A	A	A	X	A	B	A	A	I	TVB	
Styrene	100	B	X	X	X	A	X	X	X	I	A	A	I	I	T V	
Sulfamic Acid (>10%)	100	X	A	B	B	I	B	A	I	I	A	I	I	I	TVN	
Sulfonic Acid	100	B	X	X	X	X	X	I	I	B	I	A	I	I	TVN	
Sulfur Dioxide (Liquid)	100	B	B	B	I	X	I	I	I	X	I	A	A	I	T N	
Sulfuric Acid 25%	150	A	A	B	B	I	X	A	A	A	A	I	X	X	TVN	
Sulfuric Acid 93%	100	X	X	B	X	B	X	X	B	A	A	I	X	X	T V	
Sulfuric Acid 93-98%	100	X	X	X	X	B	X	X	X	I	B	A	I	X	T V	
Sulfuric Acid Fuming	100	X	X	X	X	X	X	X	X	X	X	A	I	X	T	
Sulfurous Acid 10%	150	A	A	A	A	I	X	A	A	A	A	I	X	X	T	
Sulfurous Acid 10-75%	100	A	A	A	A	I	X	A	A	A	A	I	X	X	T	
Sulphonate	100	I	X	X	X	X	A	A	X	X	I	I	I	I	B	
<b>T</b>																
Tall Oil	100	A	X	X	X	A	A	I	X	I	I	A	A	X	TVB	
Tallow	150	A	X	X	X	I	A	A	X	I	I	A	A	I	TBNS	
Tannic Acid	150	A	A	A	A	I	B	A	X	I	I	A	A	X	TVBN	
Tar	---	<b>Special Hose Required</b>										A	A	I	I	
Tartaric Acid	150	A	A	A	A	I	A	A	A	A	A	A	A	I	TBN	
Tergitol	100	X	I	I	I	I	I	I	I	I	I	A	I	I	T	
Tertiary Butyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	I	I	I	T B	
Tetrachlorobenzene	100	B	X	X	X	B	X	I	X	B	I	A	I	I	T	
Tetrachloroethane	100	A	X	X	X	A	X	I	X	X	I	A	A	X	T V	
Tetrachloroethylene	100	A	X	X	X	A	X	X	X	A	B	A	A	B	T V	
Tetrachloromethane	100	A	X	X	X	A	X	X	X	X	B	A	A	I	T V	
Tetrachloronaphthalene	100	B	X	X	X	B	X	I	X	X	I	A	I	I	T	
Tetradecanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	T B	
Tetraethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	I	I	I	TVB	
Tetraethylene Lead	100	X	X	X	X	A	X	X	X	X	I	A	I	I	T V	
Tetrahydrofuran	100	B	X	X	X	X	X	X	X	B	X	A	A	B	T	
THF	100	B	X	X	X	X	X	X	X	B	X	A	A	B	T	
Thionyl Chloride	100	X	I	I	I	I	I	I	I	I	X	A	X	X	T	
Tin Chloride	100	A	A	A	A	I	A	A	A	A	A	A	X	X	TVB	
Tin Tetrachloride	150	B	A	A	A	I	A	A	A	A	A	A	X	X	T B	

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**V** = Viton®

	Continental ContiTech Chemical Hose / Hose Tube Polymer												Insta-Lock™ Fitting/Metal			
	Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket
<b>T</b>																
Titanium Tetrachloride	100	B	X	X	X	A	B	X	X	A	B	A	B	X	X	T V
Toluene	100	A	X	X	X	A	X	X	X	B	B	A	A	A	A	T V
Toluidine	100	X	I	I	I	I	I	I	I	I	A	I	I	I	I	T
Toluol	100	A	X	X	X	A	X	X	X	B	B	A	A	A	A	T V
Transformer Oil	100	X	I	I	I	I	I	I	I	I	A	A	I	I	I	T
Transmission Oil 'A'	150	B	X	X	X	A	A	I	X	I	I	A	A	A	A	TVB
Tributoxy Ethylsulphate	100	I	A	X	X	A	X	X	A	X	I	I	I	I	I	V
Tributyl Amine	100	A	A	X	B	I	B	A	I	A	A	A	I	I	I	T
Tributyl Phosphate	100	A	A	X	X	X	X	X	X	A	I	A	A	I	X	T
Trichlorobenzene	100	B	X	X	X	B	X	X	X	B	I	A	I	A	I	T
Trichloroethane	100	A	X	X	X	A	X	B	X	X	B	A	A	I	I	T V
Trichloroethylene	100	X	X	X	X	A	X	X	X	X	B	A	A	I	I	T V
Trichloropropane	100	A	X	X	X	A	X	I	X	A	I	A	A	X	I	T V
Tricresylphosphate	100	A	A	X	X	A	X	A	A	A	I	A	A	X	I	T V
Tridecanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Triethanolamine	100	A	A	X	B	X	B	A	A	A	A	A	A	I	X	T B
Triethylamine	100	A	A	X	B	I	B	A	I	A	A	A	A	I	I	TVBN
Triethylene Glycol	150	A	A	A	A	I	A	A	I	A	A	A	A	A	I	T B
Trifluralin (Trefalin)	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	T V
Triphenyl Phosphate	100	A	A	X	X	I	X	I	I	A	I	A	A	I	I	T
Tripolyphosphate	100	X	I	I	I	I	I	I	I	I	A	I	I	I	I	T
Trisodium Phosphate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBNS
Turpentine	100	A	X	X	X	A	A	B	X	A	X	A	A	A	A	T V B
<b>U</b>																
Urea	100	A	A	I	I	I	X	A	I	A	A	A	A	B	I	TVBN
Undecanol	100	B	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
<b>V</b>																
V.M. & P. Naptha	100	A	X	X	X	A	A	I	X	A	I	A	I	I	I	TVBS
Vinyl Acetate	100	A	A	B	X	X	X	A	X	A	B	A	A	I	X	T V
Vinyl Benzene	100	A	X	X	X	A	X	X	X	A	I	A	A	I	I	T V
Vinyl Chloride	---	<b>No Hose Recommended For This Application</b>														
Vinyl Ether	---	<b>No Hose Recommended For This Application</b>														
Vinyl Toluene	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	T V
Vinyl Trichloride	100	A	X	X	X	A	X	X	X	A	B	A	A	I	I	T V
<b>W</b>																
Water	180	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBNS
Wax	100	A	X	X	X	X	A	A	X	X	X	A	A	I	I	TVBN
White Oil	100	A	X	X	X	I	A	A	X	I	I	A	I	I	I	TVB
Wood Alcohol	100	A	A	A	A	X	A	A	A	A	A	A	A	I	I	TBNS

\* Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).  
 This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see the initial page of these Chemical Charts in Appendix B. Contact Customer Service for chemicals or polymers not listed at 800-235-4632.

# Chemical Charts

**Rating Scale**

**A** = May be used for Continuous Service      **B** = May be used for Intermittent Service  
**I** = Insufficient data, contact Customer Service      **X** = Do not use

**Gasket**

**T** = Teflon®      **N** = Neoprene      **V** = Viton®  
**S** = Silicone      **B** = Nitrile

Continental ContiTech Chemical Hose / Hose Tube Polymer													Insta-Lock™ Fitting/Metal			
Temp. (°F)*	Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon	Tan Flexwing NR	Orange Flexwing Viton	Flexwing Petroleum Nitrile	Brown Flexwing & ExtremeFlex Brown CPE	Purple Flexwing & ExtremeFlex Purple EPDM	Blue Flexwing & Green XLPE	Chem One & Viper Alphasyn	HIPER Teflon	316 SS	Aluminum	Brass	Gasket	
<b>X</b>																
Xylene (Xylol)	100	X	X	X	X	A	X	X	X	A	B	A	A	I	I	T V
Xylidine	100	B	X	X	X	X	X	X	X	B	B	A	B	A	I	T
<b>Z</b>																
Zinc Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	B	B	X	TVBN
Zinc Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Zinc Chromate	150	A	A	X	I	I	I	A	X	B	I	A	I	I	I	T
Zinc Phosphate	100	A	X	X	X	X	A	A	A	X	I	A	I	I	I	TBNS
Zinc Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS

\* Fahrenheit to Celsius conversion key: 100°F (38°C), 125°F (52°C), 150°F (66°C), 275°F (135°C) and 500°F (260°C).

This chemical chart is offered as a guide only. There are many variables to be considered with each application. Ratings are for tube polymer only! For explanation of ratings see the initial page of these Chemical Charts in Appendix B. Contact Customer Service for chemicals or polymers not listed at 800-235-4632.