Catalog #03-130
Supersedes Catalog #01-130

APPENDIX-CHEMICAL CHARTS

GOODYEAR CHEMICAL RESISTANCE CHARTS

RATINGS AND DEFINITIONS

The Goodyear 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 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 Goodyear 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 GOODYEAR CHEMICAL HOSE RESISTANCE RATINGS.

APPENDIX-CHEMICAL CHARTS

Common Name & Description	Goodyear Trademark	Goodyear Product Examples with polymer in the tube
UHMWPE (Ultra High Molecular Weight Polyethylene)	Pliosyn™	Fabchem
Butyl (Isobutylene and Isoprene)	Weatherex™	Gray Flexwing
Hypalon® (Chlorosulfonated Polyethylene)	Hysunite™	Yellow Flexwing
NR - Natural Rubber (Isoprene, natural)	Pureten™	Tan Flexwing
Viton®	Flosyn™	Orange Flexwing
Nitrile	Chemigum™	Flexwing Petroleum
CPE (Chlorinated Polyethylene)	Chemrin™	Brown Flexwing
EPDM (Ethylene Propylene Diene)	Versigard™	Purple Flexwing
Cross-Link Polyethylene (XLPE)	Speclar™	Blue Flexwing, Green XLPE
Alphasyn™ (Modified Cross-Link Polyethylene)	Alphasyn™	Viper
Teflon®		Hiper
316 Stainless Steel		Instalock
Aluminum		Instalock
Brass		Instalock

Caution: This chart and the following chemical resistance charts are intended to reflect the various tube compounds as they pertain to Goodyear petroluem and chemical hose. Always use a Goodyear 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.

®Viton, ®Teflon, and ®Hypalon are registered trademarks of Dupont.

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Cleaning Equipment
Food
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Washdown
Hydraulic
Marine
Material Handling
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Bulk Transfer
Cement & Concrete
Mining
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GOODYEAR

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 page 272. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE
- A = May be used for Continuous Service
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- X = Do not Use
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GASKET
- T = Teflon®
- V = Viton
- B = Nitrile
- N = Neoprene
- S = Silicone

Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon®	Tan Flexwing NR	Orange Flexwing Viton®	Flexwing Petroleum Nitrile	Brown Flexwing CPE	Purple Flexwing EPDM	Green XLPE Blue Flexwing XLPE	Viper Alphasyn™	HI-PER Teflon®	GOODYEAR FITTING: Insta-Lock 316 SS	Insta-Lock Aluminum	Insta-Lock Brass	Insta-Lock Gasket
	HOSE TUBE POLYMER											METAL			
A															
Acetaldehyde	100	B	B	X	X	X	X	I	A	A	A	A	A	B	X	T S
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	A	I	X	T V N
Acetic Acid, Glacial	100	A	B	X	X	X	X	A	A	A	A	A	A	B	X	T S
Acetic Aldehyde	100	A	B	X	X	X	X	I	A	A	A	A	A	B	X	T
Acetic Anhydride	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	T S
Acetic Ester	100	B	B	X	X	X	X	B	A	A	A	A	A	A	A	T V
Acetic Ether	100	B	B	X	X	X	X	B	A	A	A	A	A	A	A	T
Acetic Oxide	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	T
Acetone	100	A	A	X	B	X	X	A	A	A	A	A	A	A	I	T
Acetone Cyanohydrin	100	B	A	X	X	X	X	A	A	A	A	A	I	I	I	T S
Acetyl Acetone	100	B	B	X	X	X	X	B	I	A	A	A	I	B	I	T
Acetyl Chloride	100	B	X	X	X	B	X	A	B	B	A	A	B	X	A	T V
Acetyl Oxide	100	B	A	B	X	X	X	A	A	A	A	A	A	B	X	T
Acetylene (dry)	100	A	A	A	A	A	A	A	A	A	X	A	A	I	I	TVBNS
Acetylene Dichloride	100	B	X	X	X	A	X	I	I	A	X	A	I	A	X	T V
Acetylene Tetrachloride	100	B	X	X	X	A	X	I	I	A	I	A	A	X	X	T V
Acrolein	100	B	A	B	B	A	B	I	I	A	A	A	I	I	I	T V
Acrylic Acid	100	B	X	X	X	A	X	X	X	A	A	A	A	I	I	T V
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	T V
Allyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	A	T B N
Allyl Bromide	100	B	X	X	X	B	X	B	I	B	I	A	I	I	I	T
Allyl Chloride	100	B	X	X	X	B	X	B	X	B	I	A	A	X	X	T S
Alum	150	A	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	A	I	X	T
Aluminum Chloride	150	A	A	A	A	A	A	A	A	A	A	A	I	I	X	T V B
Aluminum Formate	100	A	B	X	X	X	X	I	I	A	A	A	I	I	I	T
Aluminum Hydroxide	150	A	A	B	A	X	B	A	A	A	A	A	A	I	X	T S
Aluminum Sulfate	150	A	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	A	B	I	T B N
Aminoethylethanolamine	100	A	A	B	B	I	B	A	I	A	A	A	I	I	I	T
Ammonia	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ammonia Cupric Sulfate	150	A	A	A	X	A	A	A	A	A	A	A	I	I	**I**	T V B
Ammonium Chloride	150	A	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	A	X	**I**	T N S
Ammonium Nitrate (ANFO)	150	SPECIAL HOSE REQUIRED										A	B	X	TVBS	
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	A	X	X	TVNS
Ammonium Sulfide	150	A	A	A	A	A	X	A	A	A	A	A	A	X	X	T V N

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- N = Neoprene
- S = Silicone

Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	HI-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
Ammonium Sulfite	150	A	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	A	B	X	TVBN
Amyl Acetate	100	A	A	B	X	X	X	X	B	A	A	A	A	A	I	T
Amyl Alcohol	100	A	A	A	A	B	A	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	T V
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	T V
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Aniline	100	A	A	X	X	A	X	B	A	A	A	A	A	B	X	T V
Animal Grease	100	A	X	X	X	A	A	B	X	A	A	A	A	A	I	T V B
Animal Oils	100	A	B	X	X	A	A	A	X	A	B	A	A	A	I	T V B
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	T V
Aromatic Spirits	100	A	X	X	X	A	X	I	X	A	I	A	A	I	I	T V
Aromatic Tar	100	A	X	X	X	A	X	B	X	A	I	A	I	I	I	T V
Arquads	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
Arsenic Acid	100	A	A	A	A	I	X	A	A	A	A	A	A	X	X	T V S
Arsenic Chloride	100	I	X	X	X	X	X	X	X	X	X	A	I	I	I	T N
Arsenic Trichloride	100	I	X	X	X	X	X	X	X	X	X	A	X	I	I	T N
Asphalt	500	SPECIAL HOSE REQUIRED											A	I	I	T V N
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	T V B
ASTM #3 Oil	100	A	X	X	X	A	A	A	X	A	A	A	A	A	A	T V 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	I	X	X	X	A	X	X	X	A	I	A	A	A	A	T V
Benzine (Ligroin)	100	A	X	X	X	A	A	I	X	A	B	A	A	A	I	T V B
Benzine Solvent (Ligroin)	100	A	X	X	X	A	A	I	X	A	I	A	A	A	I	TVBS
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	X	A	I	I	I	T
Benzoyl Chloride	100	X	I	I	I	I	X	X	X	B	X	A	B	I	I	T

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	HI-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
		HOSE TUBE POLYMER											METAL			
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	T V S
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	T V B N
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	T V B N S
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	T V B
Bunker Oil	100	B	X	X	X	A	A	I	X	X	B	A	A	I	I	T V B
Butanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B N
Butyl (Normal) Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B N
Butyl (Secondary) Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B N
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	T B N
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
Butyl Phthalate	100	A	A	X	X	X	X	I	I	A	A	A	A	A	I	T
Butyl Stearate	100	A	X	X	X	I	A	B	X	A	B	A	A	A	A	T B S
Butylate	100	A	I	I	I	I	I	I	A	I	I	I	I	I	I	I
Butyraldehyde	100	A	B	X	X	X	X	B	X	A	B	A	X	A	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
C																
Cadmium Acetate	100	A	A	A	X	X	X	A	I	A	A	A	I	I	I	T

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	HI-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
Calcium Acetate	100	A	A	A	X	X	X	A	A	A	A	A	A	I	I	T B
Calcium Aluminate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
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	T V B N
Calcium Bisulfite	150	A	A	A	A	A	A	A	A	I	A	A	A	X	X	T V B N S
Calcium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	T V B N S
Calcium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	B	X	X	T V B N S
Calcium Hydroxide (Caustic Lime)	100	A	A	B	A	X	B	A	A	A	A	A	A	X	X	T N S
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	T V B N
Calcium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	I	A	I	T V B N
Calcium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	I	T V B S
Calcium Sulfhydrate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
Calcium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	T V B N
Calcium Sulfite	150	A	A	A	X	A	A	A	A	A	A	A	B	B	X	T V B N S
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	T V B N S
Carbon Disulfide	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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	T V B S
Casinghead Gasoline	100	B	X	X	X	A	A	B	X	B	B	A	I	I	I	T V B
Caster Oil (Castor Oil)	100	A	A	A	X	A	A	A	A	A	A	A	A	A	I	T V B S
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	T N S
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
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)	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Chlorine (Wet)	100	X	X	X	X	B	X	X	X	X	X	A	X	X	X	T V
Chloroacetone	100	A	I	X	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	A	B	I	T V
Chlorobenzol	100	A	X	X	X	A	X	I	X	A	B	A	A	B	I	T V
Chlorobutane	100	X	X	X	X	A	X	X	I	X	I	A	I	I	I	T V
Chloroethylbenzene	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	T V
Chloroform	100	B	X	X	X	B	X	X	X	X	B	A	A	B	I	T V
Chloropentane	100	A	X	X	X	A	X	X	X	A	I	A	A	X	I	T V

HOSE TUBE POLYMER | METAL

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GOODYEAR

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	HI-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
Chlorophenol	100	A	X	X	X	B	X	X	X	X	B	A	I	I	I	T V
Chloropropanone	100	A	I	X	X	X	X	X	X	A	I	A	I	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	I	T V
Chlorotoluene	100	X	X	X	X	A	X	X	X	X	I	A	A	I	I	T V
Chlorpyrifos	100	I	I	I	I	I	I	I	X	I	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	T V B
Coal Tar	100	A	X	X	X	A	X	B	X	A	A	A	A	I	I	T V S
Coal Tar Naptha	100	A	X	X	X	A	X	B	X	A	A	A	A	A	I	T V
Copper Chloride	100	A	A	A	X	A	A	A	A	A	A	A	X	X	X	TVBNS
Copper Hydrate	100	A	A	B	X	X	B	I	I	A	A	A	I	I	I	T B
Copper Hydroxide	100	A	A	B	X	X	B	I	I	A	A	A	I	I	I	T B
Copper Nitrate	100	A	A	A	X	A	A	A	A	A	A	A	A	X	X	TVBNS
Copper Nitrite	100	A	A	A	X	A	A	A	A	A	A	A	I	I	I	T V B
Copper Sulfate	100	A	A	A	X	A	A	A	A	A	A	A	A	X	X	TVBNS
Copper Sulfide	100	A	A	A	X	A	A	A	A	A	A	A	I	I	I	T V B
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	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	I	T
Crude Oil	100	A	X	X	X	A	A	B	X	A	B	A	A	A	I	T V B
Cumene	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	T V
Cupric Carbonate	100	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVBN
Cupric Chloride	100	A	A	A	X	A	A	A	A	A	A	A	B	X	I	TVBNS
Cupric Nitrate	100	A	A	A	X	A	A	A	A	A	A	A	B	I	I	TVBN
Cupric Nitrite	100	A	A	A	X	A	A	A	A	A	A	A	I	I	I	T V B
Cupric Sulfate	100	A	A	A	X	A	A	A	A	A	A	A	I	I	I	TVBNS
Cyclohexane	100	A	X	X	X	A	B	A	X	A	B	A	A	B	X	T V
Cyclohexanol	100	A	X	X	X	B	B	A	X	A	B	A	A	X	X	T V B
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	T V N
Cyclopentane, methyl	100	A	X	X	X	A	B	I	X	A	B	A	I	I	I	T V
Cyclopentanol	100	A	X	X	X	B	B	A	X	A	A	A	I	I	I	T V B
Cyclopentanone	100	A	X	X	X	X	X	X	X	A	B	A	I	I	I	T
D																
D.D.T. in Kerosene	100	A	X	X	X	A	A	A	X	A	B	A	I	I	A	T V B
D.M.P.	100	X	X	X	X	X	X	X	X	X	A	A	A	I	I	T V
Decalin	100	X	X	X	X	A	X	X	X	A	X	A	I	I	I	T V
Decanol	100	A	A	A	X	B	A	A	A	A	A	A	I	I	I	T B
Decyl Alcohol	100	A	A	A	X	B	A	A	A	A	A	A	I	I	I	T B

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	HI-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
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	T B
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	T V
Diamylamine	100	A	A	X	B	I	B	A	I	A	B	A	I	I	I	T B
Diamylene	100	A	X	X	X	A	X	B	X	A	B	A	I	I	I	T V
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	T V
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	T V
Dibutyl Sebacate	100	A	A	X	X	X	X	B	X	A	I	A	I	I	I	T V S
Dicalcium Phosphate	100	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
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	T V
Dichlorobutane	100	A	X	X	X	A	X	X	X	A	I	A	I	I	I	T V
Dichlorodifluoromethane	100	I	X	X	X	B	B	I	X	I	X	A	I	I	I	T V B
Dichloroethane	100	A	X	X	X	A	X	X	X	A	A	A	I	A	I	T V
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	T V
Dichlorohexane	100	A	X	X	X	A	X	X	X	A	A	A	I	I	I	T V
Dichloromethane	100	A	X	X	X	A	X	X	X	A	A	A	A	B	I	T V
Dichloropentane	100	A	X	X	X	A	X	X	X	A	B	A	I	I	I	T V
Dichloropropane	100	A	X	X	X	A	X	X	X	B	I	A	A	X	I	T V
Diesel Oil	150	A	X	X	X	A	A	A	X	A	B	A	A	A	I	T V B
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	T V
Diethyl Carbinol	100	A	A	A	A	B	A	I	I	A	A	A	I	I	I	T B N
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	T N S
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	T V B N
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	T V B N

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	HI-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
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	T V B
Diisoctyl Adipate	100	A	A	X	X	X	X	I	I	A	I	A	I	I	I	T
Diisoctyl 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		T B
Dimethyl Amine	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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
Dioctyl Adipate	100	A	A	X	X	X	X	X	B	A	I	A	I	I	I	T
Dioctyl Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	T
Dioctyl Phthalate	100	A	B	X	X	A	X	X	X	A	A	A	A	I	I	T V
Dioctyl 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	T V B
Disodium Phosophate	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	T V B

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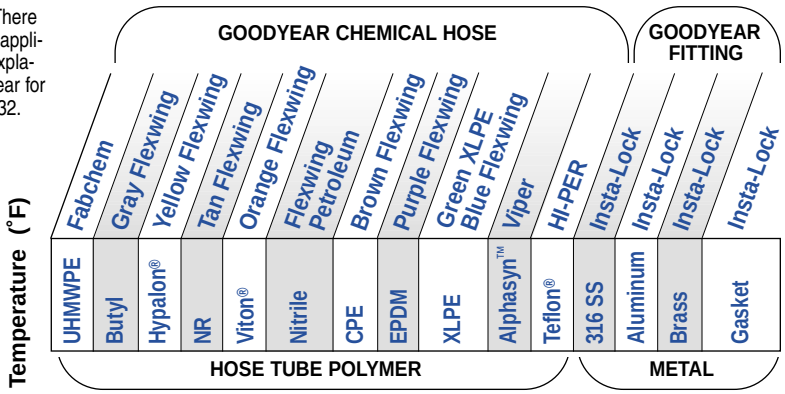

E																
Endolene	100	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Epichlorohydrin	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ethanol	100	A	A	A	A	B	A	A	A	A	A	A	A	B	A	T B N
Ethanol Amine	100	A	A	B	B	I	B	A	B	A	B	A	A	B	I	T B
Ethyl Acetate	100	A	B	X	X	X	X	B	A	A	A	A	A	A	A	T
Ethyl Acetoacetate	100	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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ethyl Dichloride	100	B	X	X	X	B	X	X	X	B	B	A	I	I	I	T V
Ethyl Ether	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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	T B N
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	T B N
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	T B N
Ethyl Sulfate	100	A	B	X	X	X	X	A	I	A	A	A	X	I	I	T B S
Ethylamine	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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

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GOODYEAR

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RATING SCALE
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GASKET
- T = Teflon®
- V = Viton
- B = Nitrile
- N = Neoprene
- S = Silicone

Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon®	Tan Flexwing NR	Orange Flexwing Viton®	Flexwing Petroleum Nitrile	Brown Flexwing CPE	Purple Flexwing EPDM	Green XLPE Blue Flexwing XLPE	Viper Alphasyn™	HI-PER Teflon®	GOODYEAR FITTING: Insta-Lock 316 SS	Insta-Lock Aluminum	Insta-Lock Brass	Insta-Lock Gasket
		HOSE TUBE POLYMER											METAL			
Ethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	A	A	I	TVBNS
Ethylhexil Phosphorodieth	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
F																
Ferric Bromide	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
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	T V B
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	T V B
Fuel B (ASTM)	100	B	X	X	X	A	A	I	X	B	B	A	I	I	I	T V B
Fuel Oil	100	A	X	X	X	A	A	X	X	B	B	A	A	A	I	T V B
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
G																
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	T V B
Glacial Acetic Acid	100	A	B	X	X	X	X	B	A	A	A	A	A	B	X	T
Gluconic 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	T V B
Green Sulfate Liquor	150	A	A	A	A	I	A	A	A	A	A	A	A	X	X	T B S
H																
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	T V B
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	T V B
Hexanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B

See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid through December 31, 2004. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at www.goodyear-hose.com.

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

Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem	Gray Flexwing	Yellow Flexwing	Tan Flexwing	Orange Flexwing	Flexwing Petroleum	Brown Flexwing	Purple Flexwing	Green XLPE Blue Flexwing	Viper	HI-PER	GOODYEAR FITTING: Insta-Lock	Insta-Lock	Insta-Lock	Insta-Lock
HOSE TUBE POLYMER		UHMWPE	Butyl	Hypalon®	NR	Viton®	Nitrile	CPE	EPDM	XLPE	Alphasyn™	Teflon®	316 SS	Aluminum	Brass	Gasket
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	T V B
Hexylene Glycol	150	A	A	A	A	A	A	A	I	A	A	A	A	B	A	T V B N
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
Hydrochloric Acid -38% Conc.	125	I	A	X	B	I	X	A	B	A	A	A	X	X	X	T
Hydrobromic Acid (37%)	150	B	A	A	A	I	X	A	A	I	A	A	X	X	X	T N
Hydrochloric Acid (37%)	125	A	A	X	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	100	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Hydrogen Peroxide 10% to 50%	100	B	X	X	X	A	X	A	I	I	I	A	I	B	I	T V S
Hydrogen Peroxide over 50%	100	X	X	X	X	X	X	X	X	X	I	A	A	I	X	T
I																
Iodine	100	A	I	A	I	I	I	A	I	B	I	A	I	I	X	T V B
Iron Acetate	100	A	A	A	X	X	X	I	I	A	A	A	I	I	I	T N S
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	T V B N
Iron Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B N
Iron Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
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	T B N
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATIOIN														
Isobutanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T B N S
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	T N S
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	T B N
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

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Supersedes Catalog #01-130

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

Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	HI-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
Isooctane	100	B	X	X	X	A	A	I	X	B	B	A	A	A	A	TVBS
Isopentane	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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
J																
Jet Fuels	---	SPECIAL HOSE REQUIRED											A	A	A	T V B
K																
Kerosene	100	A	X	X	X	A	B	A	X	A	A	A	A	A	I	T V B
L																
Lauryl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Lead Acetate	100	A	A	X	X	X	X	A	B	A	A	A	A	X	X	T
Lead Sulfate	150	A	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	A	I	T V B
Linseed Oil	100	A	A	B	X	A	A	A	B	I	A	A	A	I	A	TVBNS
Liquefied Natural Gas (LNG)	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Liquefied Petroleum Gas (LPG)	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Lubricating Oils	100	A	X	X	X	A	A	I	X	A	I	A	A	A	A	T V B
M																
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	T V B
Manganese Sulfite	150	A	A	A	X	A	A	A	A	A	A	A	I	I	I	T V B
Menthanol	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
Methallyl Alcohol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem / UHMWPE	Gray Flexwing / Butyl	Yellow Flexwing / Hypalon®	Tan Flexwing / NR	Orange Flexwing / Viton®	Flexwing Petroleum / Nitrile	Brown Flexwing / CPE	Purple Flexwing / EPDM	Green XLPE Blue Flexwing / XLPE	Viper / Alphasyn™	HI-PER / Teflon®	GOODYEAR FITTING: Insta-Lock / 316 SS	Insta-Lock / Aluminum	Insta-Lock / Brass	Insta-Lock / Gasket
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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	TB
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	TV
Methyl Butanol	100	A	A	A	A	B	A	A	I	A	A	A	A	I	A	TBN
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Methyl Cyclohexane	100	A	X	X	X	B	X	B	X	B	I	A	I	I	I	TV
Methyl Ethyl Ketone	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	TB
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% Concentratel	100	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	TB
Methylene Bromide	100	B	X	X	X	B	X	I	X	B	A	A	I	I	I	TV
Methylene Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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	TB
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	TV
Monochlorodifluoromethane	100	I	X	X	X	X	X	I	I	I	I	A	A	I	I	TN
Monoethanol Amine	100	A	A	X	B	I	B	A	B	A	B	A	A	B	I	TN
Monoethyl Amine	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Monoisopropanol Amine	100	A	A	X	B	I	B	I	I	A	B	A	I	I	I	TB

New Products
Air & Multipurpose
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Cleaning Equipment
Food
Transfer
Washdown
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Material Handling
Abrasives
Bulk Transfer
Cement & Concrete
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GOODYEAR

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- T = Teflon®
- V = Viton
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- N = Neoprene
- S = Silicone

Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon®	Tan Flexwing NR	Orange Flexwing Viton®	Flexwing Petroleum Nitrile	Brown Flexwing CPE	Purple Flexwing EPDM	Green XLPE Blue Flexwing XLPE	Viper Alphasyn™	HI-PER Teflon®	GOODYEAR FITTING: Insta-Lock 316 SS	Insta-Lock Aluminum	Insta-Lock Brass	Insta-Lock Gasket
		HOSE TUBE POLYMER											METAL			
Muriatic Acid	125	A	X	X	A	I	X	A	X	A	A	A	X	X	X	T
N																
N/Methylpyrrolidone	100	A	X	X	X	X	X	X	X	A	I	A	I	I	I	T
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	T V
Natural Gas	---	NO HOSE RECOMMENDED FOR THIS APPLICATIOIN														
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	T V
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	T V
Nitric Acid 37%	100	X	X	X	X	X	X	X	X	X	A	A	A	X	X	T V
Nitric Acid 40%-60%	100	X	X	X	X	X	X	X	X	X	B	A	A	X	X	T V
Nitric Acid 70%	100	X	X	X	X	X	X	X	X	X	B	A	B	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
O																
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	A	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	T V
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	T V
Orthodichlorobenzol	100	A	X	X	X	A	X	I	X	A	I	A	I	I	I	T V
Orthoxylene	100	B	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Oxalic Acid	100	A	A	X	X	I	X	A	B	I	B	A	A	B	X	T S
Oxygen	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Ozone	100	A	B	B	X	I	X	A	A	I	B	A	I	I	I	T S
P																
Palmitic Acid	100	A	A	B	X	I	A	A	B	B	B	A	A	I	X	TBS

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem / UHMWPE	Gray Flexwing / Butyl	Yellow Flexwing / Hypalon®	Tan Flexwing / NR	Orange Flexwing / Viton®	Flexwing Petroleum / Nitrile	Brown Flexwing / CPE	Purple Flexwing / EPDM	Green XLPE Blue Flexwing / XLPE	Viper / Alphasyn™	HI-PER / Teflon®	GOODYEAR FITTING: Insta-Lock / 316 SS	Insta-Lock / Aluminum	Insta-Lock / Brass	Insta-Lock / Gasket
Papermakers Alum	150	A	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	A	I	I	I	T V
Paraffin	150	A	B	X	X	A	A	A	X	X	I	A	A	A	A	T V B
Paraldehyde	100	A	B	X	X	X	X	I	B	A	B	A	A	A	I	T
Paraxylene	100	A	X	X	X	A	X	I	X	A	B	A	I	I	I	T V
Pelargonic Acid	100	A	A	X	X	I	A	I	I	A	I	A	I	I	I	T B
Pentachloroethane	100	A	X	X	X	A	X	I	X	A	I	A	A	B	X	T V
Pentane	100	X	X	X	X	A	A	A	X	B	X	A	B	A	A	T V B
Pentanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B N
Pentanone	100	A	B	X	X	X	X	B	I	A	B	A	I	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	I	T V B
Petroleum - Crude	100	A	X	X	X	A	A	A	X	A	B	A	A	A	X	T V B
Petroleum Oils	100	A	X	X	X	A	A	A	X	A	B	A	A	A	X	T V B
Phenol	125	A	A	X	X	A	X	A	X	A	B	A	A	B	B	T V
Phenolsulfonic Acid	100	X	X	X	X	X	X	A	I	B	B	A	B	I	I	T
Phenyl Chloride	100	A	X	X	X	A	X	X	X	A	B	A	A	B	I	T V
Phosphoric Acid 10%	150	A	A	A	A	X	A	A	A	A	A	A	A	X	X	TVBN
Phosphoric Acid 10-85%	100	A	A	A	B	X	X	A	A	A	A	A	A	X	I	T V N
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	I	T V
Polyethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Polypropylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
Potassium Acetate	100	A	A	B	X	X	X	A	B	A	A	A	A	X	X	T B
Potassium Bisulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	X	TVBN
Potassium Bisulfite	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	TVBN
Potassium Carbonate	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Potassium Chloride	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Potassium Chromate	150	B	A	X	I	I	I	A	I	B	B	A	B	I	I	TVBN
Potassium Dichromate	150	B	A	X	I	I	I	A	I	B	B	A	A	B	X	TVBNS
Potassium Hydrate	150	A	A	B	A	X	B	A	B	A	A	A	A	X	I	T S
Potassium Hydroxide	150	B	A	B	A	X	B	A	B	A	A	A	A	X	X	T N
Potassium Nitrate	150	A	A	A	A	A	A	A	A	A	A	A	A	B	A	TVBNS
Potassium Permanganate	100	A	A	A	A	A	B	I	I	A	A	A	A	I	I	T V S
Potassium Silicate	150	A	A	A	A	A	A	A	A	A	A	A	A	I	I	TVBNS
Potassium Sulfate	150	A	A	A	A	A	A	A	A	A	A	A	A	B	A	TVBNS
Potassium Sulfide	150	A	A	A	A	A	A	A	A	A	A	A	A	X	X	TVBNS
Potassium Sulfite	150	A	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	A	I	I	I	TVBS
Propane Gas	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Propanol	100	A	A	A	A	B	A	A	A	A	A	A	A	I	I	T V B

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem (UHMWPE)	Gray Flexwing (Butyl)	Yellow Flexwing (Hypalon®)	Tan Flexwing (NR)	Orange Flexwing (Viton®)	Flexwing Petroleum (Nitrile)	Brown Flexwing (CPE)	Purple Flexwing (EPDM)	Green XLPE Blue Flexwing (XLPE)	Viper (Alphasyn™)	Hi-PER (Teflon®)	GOODYEAR FITTING: Insta-Lock (316 SS)	Insta-Lock (Aluminum)	Insta-Lock (Brass)	Insta-Lock (Gasket)
Propyl Acetate	100	A	A	B	X	X	X	B	X	A	B	A	A	I	I	T
Propyl Alcohol	100	A	A	A	A	B	A	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	I	T
Propyl Chloride	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Propylene Diamine	100	A	A	X	B	I	B	A	I	A	I	A	I	I	I	T B
Propylene Dichloride	100	B	X	X	X	B	X	X	X	B	I	A	A	X	I	T V
Propylene Glycol	100	A	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	I	B
S																
Sea Water	100	A	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	A	X	I	TBNS
Silicate of Soda	100	A	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	A	X	X	TBNS
Soda Ash	100	A	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	A	X	X	T N S
Soda, Lime	100	A	A	B	A	X	B	A	A	A	A	A	I	I	I	T V B
Soda, Niter	100	A	A	A	A	A	A	A	B	A	A	A	A	B	I	T V B
Sodium Acetate	100	A	A	A	X	X	X	A	B	B	B	A	A	I	A	T N S
Sodium Aluminate	100	A	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	A	X	X	TVBNS
Sodium Bisulfite	150	A	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	A	X	I	TVBNS
Sodium Chloride (Brine)	150	A	A	A	A	A	A	A	A	A	A	A	A	X	I	TVBNS
Sodium Chromate	150	X	A	X	I	I	I	A	I	X	I	A	A	A	A	TVBN
Sodium Dichromate	150	A	A	X	I	I	I	A	A	A	A	A	A	I	X	T
Sodium Hydrate	150	A	A	B	A	X	B	A	A	A	A	A	B	X	X	T N
Sodium Hydrochlorite (20%)	100	A	B	X	X	B	X	I	I	B	A	A	I	I	I	T
Sodium Hydrosulfide	100	A	X	X	X	X	A	A	X	A	I	A	I	B	I	T B
Sodium Hydroxide (50%)	150	A	A	B	A	X	B	A	A	A	A	A	A	X	X	T B N
Sodium Hypochlorite	100	B	B	X	X	B	X	A	A	X	B	A	X	X	X	T V S
Sodium Nitrate	150	A	A	A	A	A	A	A	B	A	A	A	A	B	I	TVBNS
Sodium Silicate	150	A	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	A	B	X	TVBNS
Sodium Sulfide	150	A	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	A	I	I	TVBNS
Sodium Sulphydrate	100	A	X	X	X	X	A	A	X	A	B	A	I	I	I	T B
Sodium Thiosulfate	150	A	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	A	X	X	X	T B
Stannic Sulfide	150	A	A	A	A	I	A	A	A	A	A	A	I	I	I	T B N
Stannous Chloride	150	A	A	A	A	I	A	A	B	A	A	A	A	X	X	T B
Stannous Sulfide	150	A	A	A	A	I	A	A	A	A	A	A	I	I	I	T B

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Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon®	Tan Flexwing NR	Orange Flexwing Viton®	Flexwing Petroleum Nitrile	Brown Flexwing CPE	Purple Flexwing EPDM	Green XLPE Blue Flexwing XLPE	Viper Alphasyn™	HI-PER Teflon®	GOODYEAR FITTING: Insta-Lock 316 SS	Insta-Lock Aluminum	Insta-Lock Brass	Insta-Lock Gasket
Stearic Acid	100	A	B	X	X	I	A	A	B	A	A	A	A	B	A	T V B
Stoddards Solvent	100	A	X	X	X	A	A	A	X	A	B	A	A	A	I	T V B
Styrene	100	B	X	X	X	A	X	X	X	X	I	A	A	I	I	T V
Sulfamic Acid (>10%)	100	X	A	B	B	I	B	A	I	I	I	A	I	I	I	T V N
Sulfonic Acid	100	B	X	X	X	X	X	I	I	B	I	A	I	I	I	T V N
Sulfur Dioxide (Liquid)	100	B	B	B	I	X	I	I	I	X	I	A	A	I	I	T N
Sulfuric Acid 25%	150	A	A	B	B	I	X	A	A	A	A	A	I	X	X	T V N
Sulfuric Acid 93%	100	X	X	B	X	B	X	X	B	A	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	X	T V
Sulfuric Acid Fuming	100	X	X	X	X	X	X	X	X	X	X	A	I	X	X	T
Sulfurous Acid 10%	150	A	A	A	A	I	X	A	A	A	A	A	I	X	X	T
Sulfurous Acid 10-75%	100	A	A	A	A	I	X	A	A	A	A	A	I	X	X	T
Sulphonate	100	I	X	X	X	X	A	A	X	X	I	I	I	I	I	B
T																
Tall Oil	100	A	X	X	X	A	A	I	X	I	I	A	A	X	X	T V B
Tallow	150	A	X	X	X	I	A	A	X	I	I	A	A	I	A	TBNS
Tannic Acid	150	A	A	A	A	I	B	A	X	I	I	A	A	X	I	TVBN
Tar	---	SPECIAL HOSE REQUIRED											A	A	I	I
Tartaric Acid	150	A	A	A	A	I	A	A	A	A	A	A	A	I	A	T B N
Tergitol	100	X	I	I	I	I	I	I	I	I	I	A	I	I	I	T
Tertiary Butyl Alcohol	100	A	A	A	A	B	A	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	I	T
Tetrachloroethane	100	A	X	X	X	A	X	I	X	X	I	A	A	X	X	T V
Tetrachloroethylene	100	A	X	X	X	A	X	X	X	A	B	A	A	B	X	T V
Tetrachloromethane	100	A	X	X	X	A	X	X	X	X	B	A	A	I	I	T V
Tetrachloronaphthalene	100	B	X	X	X	B	X	I	X	X	I	A	I	I	I	T
Tetradecanol	100	A	A	A	A	B	A	A	A	A	A	A	I	I	I	T B
Tetraethylene Glycol	150	A	A	A	A	A	A	A	A	A	A	A	I	I	I	T V B
Tetraethylene Lead	100	X	X	X	X	A	X	X	X	X	I	A	I	I	I	T V
Tetrahydrofuran	100	B	X	X	X	X	X	X	X	B	X	A	A	B	X	T
THF	100	B	X	X	X	X	X	X	X	B	X	A	A	B	X	T
Thionyl Chloride	100	X	I	I	I	I	I	I	I	I	X	A	X	X	X	T
Tin Chloride	100	A	A	A	A	I	A	A	A	A	A	A	X	X	X	T V B
Tin Tetrachloride	150	B	A	A	A	I	A	A	A	A	A	A	X	X	X	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	I	A	I	I	I	T
Toluol	100	A	X	X	X	A	X	X	X	A	B	A	A	A	A	T V
Transformer Oil	100	X	I	I	I	I	I	I	I	I	I	A	A	I	I	T
Transmission Oil "A"	150	B	X	X	X	A	A	I	X	I	I	A	A	A	A	T V B
Tributoxy Ethysulphate	100	I	A	X	X	A	X	X	A	X	I	I	I	I	I	V

HOSE TUBE POLYMER | METAL

New Products
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Chemical Transfer
Cleaning Equipment
Food
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Material Handling
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GOODYEAR

Catalog #03-130
Supersedes Catalog #01-130

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 page 272. Contact Goodyear for chemicals or polymers not listed at 800-235-4632.

RATING SCALE
- A = May be used for Continuous Service
- B = May be used for Intermittent Service
- X = Do not Use
- I = Insufficient Data, contact Goodyear

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

Chemical	Temperature (°F)	GOODYEAR CHEMICAL HOSE: Fabchem UHMWPE	Gray Flexwing Butyl	Yellow Flexwing Hypalon®	Tan Flexwing NR	Orange Flexwing Viton®	Flexwing Petroleum Nitrile	Brown Flexwing CPE	Purple Flexwing EPDM	Green XLPE Blue Flexwing XLPE	Viper Alphasyn™	HI-PER Teflon®	GOODYEAR FITTING: Insta-Lock 316 SS	Insta-Lock Aluminum	Insta-Lock Brass	Insta-Lock Gasket
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	I	A	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
U																
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
V																
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	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
Vinyl Ether	---	NO HOSE RECOMMENDED FOR THIS APPLICATION														
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
W																
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	T V B
Wood Alcohol	100	A	A	A	A	X	A	A	A	A	A	A	A	I	I	TBNS
X																
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
Z																
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

APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose

A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Spirathane	Flexible PVC	TPE	TPR
A					
Acetaldehyde	70°	X	X	I	X
Acetic Acid, Conc.	70°	X	B	I	I
Acetic Acid, Dilute 10	70°	B	A	I	I
Acetic Acid, Glacial	70°	X	B	I	X
Acetic Aldehyde	70°	I	X	I	X
Acetic Anhydride	70°	X	X	X	X
Acetic Ester	70°	X	X	X	B
Acetic Ether	70°	X	X	X	I
Acetone	70°	X	X	X	B
Acetone Cyanohydrin	70°	X	X	X	I
Acetyl Acetone	70°	X	X	X	I
Acetyl Chloride	70°	X	I	X	X
Acetylene Dichloride	70°	I	X	I	X
Acetylene Tetrachloride	70°	I	X	I	I
Acrylonitrile	70°	A	A	B	I
Allyl Alcohol	70°	X	X	X	X
Allyl Bromide	70°	X	X	X	I
Allyl Chloride	70°	X	X	X	I
Alum	70°	A	A	A	B
Aluminum Acetate	70°	I	I	I	I
Aluminum Chloride	70°	A	A	A	B
Aluminum Hydroxide	70°	A	A	A	I
Aluminum Sulfate	70°	A	A	A	B
Ammonia Cupric Sulfate	70°	I	X	I	I
Ammonia Water	70°	A	A	A	A
Ammonium Chloride	70°	A	A	A	B
Ammonium Hydroxide	70°	B	B	I	B
Ammonium Nitrate	70°	A	A	A	I
Ammonium Phosphate	70°	I	I	I	B
Ammonium Sulfate	70°	A	A	A	B
Ammonium Sulfide	70°	A	A	A	I
Ammonium Sulfite	70°	A	A	A	I
Ammonium Thiosulfate	70°	A	A	I	I

Thermoplastic Hose

A = May be used for Continuous Service B = May be used for Intermittent Service X = Do not Use I = Insufficient Data	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Amyl Acetate	70°	X	X	X	X
Amyl Alcohol	70°	B	B	I	X
Amyl Chloride	70°	X	X	X	X
Amyl Phenol	70°	I	X	I	I
Amyl Phthalate	70°	I	X	I	I
Aniline Oils	70°	X	X	X	I
Animal Grease	70°	A	A	A	I
Animal Oils	70°	A	A	A	X
Aqua Ammonia	70°	I	B	B	I
Aromatic Tar	70°	X	X	X	I
Arsenic Acid	70°	A	A	A	I
Arsenic Chloride	70°	A	A	I	I
Arsenic Trichloride	70°	A	A	I	I
Asphalt	70°	X	X	X	X
ASTM #1 Oil	70°	A	A	A	X
ASTM #2 Oil	70°	A	A	I	X
ASTM #3 Oil	70°	A	A	B	X
B					
Barium Carbonate	70°	A	A	A	I
Barium Chloride	70°	A	A	A	I
Barium Hydroxide	70°	A	A	A	I
Barium Sulfate	70°	A	A	A	I
Barium Sulfide	70°	A	A	A	I
Benzyl Chloride	70°	I	X	I	I
Benzaldehyde	70°	X	X	X	X
Benzene (Benzol)	70°	X	X	X	X
Benzine (Ligroin)	70°	X	X	X	X
Benzine Solvent (Ligroin)	70°	X	X	X	X
Benzoic Acid	70°	B	A	A	B
Benzoic Aldehyde	70°	I	X	I	I
Benzotrichloride	70°	I	X	I	I
Benzoyl Chloride	70°	I	X	I	I
Benzyl Acetate	70°	I	X	I	I
Benzyl Chloride	70°	I	X	I	I

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Abrasives
Bulk Transfer
Cement & Concrete
Mining
Petroleum
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APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Bichromate of Soda	70°	I	A	I	I
Black Sulfate Liquor	70°	A	A	A	I
Bleach	70°	A	A	A	B
Brine	70°	A	A	A	B
Bromine	70°	X	X	X	X
Bromo Benzene	70°	I	X	I	X
Bromo Toluene	70°	I	X	I	I
Bromochloromethane	70°	I	X	I	X
Butanol	70°	I	X	I	B
Butyl (Normal) Alcohol	70°	I	X	X	B
Butyl (Secondary) Alcohol	70°	I	X	X	B
Butyl Acetate	70°	X	X	I	X
Butyl Acetoacetate	70°	I	X	I	I
Butyl Acrylate	70°	I	X	I	I
Butyl Alcohol	70°	A	A	A	B
Butyl Benzene	70°	I	X	I	I
Butyl Benzl Phthalate	70°	I	X	I	I
Butyl Bromide	70°	I	X	I	I
Butyl Butyrate	70°	I	X	I	I
Butyl Chloride	70°	I	X	I	I
Butyl Phthalate	70°	I	X	I	X
Butyric Acid	70°	I	X	B	I
C					
Cadmium Acetate	70°	I	A	I	I
Calcium Acetate	70°	I	A	I	I
Calcium Aluminate	70°	I	A	I	I
Calcium Bichromate	70°	I	A	I	I
Calcium Bisulfate	70°	I	A	B	I
Calcium Bisulfite	70°	A	A	A	I
Calcium Carbonate	70°	A	A	A	I
Calcium Chloride	70°	A	A	A	I
Calcium Hydroxide (Caustic Lime)	70°	A	A	A	I
Calcium Hypochlorite	70°	A	A	I	I
Calcium Nitrate	70°	A	A	I	I

Thermoplastic Hose

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Calcium Silicate	70°	A	A	I	I
Calcium Sulfate	70°	A	A	A	I
Calcium Sulfide	70°	A	A	I	I
Calcium Sulfite	70°	A	A	I	I
Carbolic Acid, Phenol	70°	X	X	X	X
Carbon Dioxide	70°	A	A	A	B
Carbon Disulfide	70°	X	X	X	X
Carbon Monoxide	70°	A	A	A	B
Carbon Tetrachloride	70°	X	X	X	X
Carbonic Acid	70°	I	A	A	I
Casinghead Gasoline	70°	I	X	X	X
Caster Oil	70°	A	A	A	I
Caustic Potash	70°	A	A	A	A
Caustic Soda	70°	A	A	A	B
Chlorinated Solvents	70°	I	X	I	I
Chlorine (Dry)	70°	A	A	A	B
Chlorine (Wet)	70°	B	X	I	B
Chloroacetone	70°	I	X	I	I
Chlorobenzene	70°	X	X	X	X
Chlorobutane	70°	I	X	I	I
Chloroethylbenzene	70°	I	X	I	I
Chloroform	70°	X	X	X	X
Chloropentane	70°	I	X	I	X
Chlorophenol	70°	I	X	I	I
Chloropropanone	70°	I	X	I	I
Chlorosulfonic Acid	70°	I	B	I	X
Chlorothene	70°	I	X	I	X
Chlorotoluene	70°	X	X	X	X
Chromic Acid	70°	B	B	B	B
Copper Chloride	70°	A	A	A	B
Copper Hydrate	70°	I	A	I	I
Copper Hydroxide	70°	I	A	I	I
Copper Nitrate	70°	A	A	A	I
Copper Nitrite	70°	A	A	A	I

APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Copper Sulfate	70°	A	A	A	I
Copper Sulfide	70°	B	A	B	I
Creosol	70°	X	X	X	X
Creosote	70°	X	X	X	X
Crude Oil	70°	B	A	B	X
Cupric Carbonate	70°	I	A	I	I
Cupric Chloride	70°	A	A	I	I
Cupric Nitrate	70°	A	A	I	I
Cupric Nitrite	70°	A	A	I	I
Cupric Sulfate	70°	A	A	A	I
Cyclohexane	70°	X	X	X	X
Cyclohexanol	70°	X	X	X	X
Cyclohexanone	70°	X	X	X	X
Cyclopentane, methyl	70°	I	A	I	I
Cyclopentanol	70°	I	A	I	I
Cyclopentanone	70°	I	A	I	I
C					
D.D.T.	70°	I	A	I	I
D.D.T. in Kerosene	70°	X	X	X	X
Decalin	70°	I	B	I	I
Decanol	70°	I	B	I	I
Decyl Alcohol	70°	I	A	I	I
Decyl Butyl Phthalate	70°	X	X	X	X
Denatured Alcohol	70°	I	A	B	I
Diacetone Alcohol	70°	B	A	B	B
Diamyl Phenol	70°	X	X	X	X
Dibromobenzene	70°	I	X	I	I
Dibutyl Amine	70°	I	X	I	I
Dibutyl Phthalate	70°	X	X	X	X
Dibutyl Sebacate	70°	I	X	I	I
Dicalcium Phosphate	70°	B	A	B	I
Dichlorobenzene	70°	X	X	X	X
Dichlorobutane	70°	I	X	I	I
Dichlorodiboromethane	70°	X	X	X	X

Thermoplastic Hose

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Dichloroethane	70°	I	X	I	I
Dichloroethyl Ether	70°	I	X	I	X
Dichloroethylene	70°	I	X	I	X
Dichlorohexane	70°	I	X	I	X
Dichloromethane	70°	I	X	I	X
Dichloropentane	70°	I	X	I	X
Dichloropropane	70°	I	X	I	X
Diesel Oil	70°	I	B	X	X
Diethylamine	70°	I	I	I	I
Diethyl Benzene	70°	I	X	I	X
Diethyl Ketone	70°	I	X	I	I
Diethyl Oxalate	70°	I	X	I	I
Diethyl Phthalate	70°	I	X	I	I
Diethyl Sebacate	70°	I	X	I	I
Diethylene Glycol	70°	I	B	I	I
Diisobutyl Ketone	70°	I	X	I	I
Diisoctyl Adipate	70°	I	X	I	I
Diisoctyl Phthalate	70°	I	X	I	I
Diisodecyl Adipate	70°	I	X	I	I
Diisopropyl Amine	70°	I	X	I	I
Diisopropyl Ketone	70°	I	X	I	I
Dimethyl Amine	70°	I	X	I	I
Dimethyl Benzene	70°	I	X	I	I
Dimethyl Ketone	70°	I	X	I	I
Dimethyl Phthalate	70°	I	X	I	I
Dinitrobenzene	70°	I	X	I	I
Dioctyl Adipate	70°	I	X	I	I
Dioctyl Phthalate	70°	X	X	X	X
Dioctyl Sebacate	70°	I	X	I	I
Diphenyl Phthalate	70°	I	X	I	I
Dipropyl Ketone	70°	I	X	I	I
Disodium Phosophate	70°	A	A	A	B
Divinyl Benzene	70°	I	X	I	I
Dodecyl Benzene	70°	I	X	I	I

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APPENDIX-CHEMICAL CHARTS

SPIRAFLEX HOSE CHEMICAL RESISTANCE GUIDE

Thermoplastic Hose

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
E					
Ethanol	70˚	A	A	A	A
Ethanol Amine	70˚	B	A	B	I
Ethyl Acetate	70˚	X	X	X	B
Ethyl Acetoacetate	70˚	I	X	I	I
Ethyl Acrylate	70˚	X	X	X	I
Ethyl Alcohol	70˚	A	A	A	A
Ethyl Benzene	70˚	I	X	I	X
Ethyl Butanol	70˚	I	A	I	I
Ethyl Butyl Acetate	70˚	I	X	I	I
Ethyl Butyl Alcohol	70˚	I	A	I	I
Ethyl Butyl Ketone	70˚	I	X	I	I
Ethyl Chloride	---	X	X	X	X
Ethyl Dichloride	70˚	X	X	X	X
Ethyl Ether	---	X	X	X	X
Ethyl Formate	70˚	I	X	I	I
Ethyl Hexyl Acetate	70˚	I	X	I	I
Ethyl Hexyl Alcohol	70˚	I	A	I	I
Ethyl Iodide	70˚	X	X	X	X
Ethyl Isobutyl Ether	70˚	I	X	I	I
Ethyl Methyl Ketone	70˚	X	X	X	X
Ethyl Oxalate	70˚	I	X	I	I
Ethyl Phthalate	70˚	I	X	I	I
Ethyl Propyl Ether	70˚	I	X	I	I
Ethyl Propyl Ketone	70˚	X	X	X	I
Ethylene Bromide	70˚	X	X	X	X
Ethylene Chloride	70˚	X	X	X	X
Ethylene Dibromide	70˚	X	X	X	X
Ethylene Dichloride	70˚	X	X	X	X
Ethylene Glycol	70˚	A	A	A	A
F					
Ferric Bromide	70˚	A	A	A	B
Ferric Chloride	70˚	A	A	A	A
Ferric Sulfate	70˚	A	A	A	A

Thermoplastic Hose

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Ferrous Acetate	70˚	A	A	A	I
Ferrous Chloride	70˚	A	A	A	B
Ferrous Hydroxide	70˚	I	A	A	I
Ferrous Sulfate	70˚	A	A	A	A
Fluorine	70˚	X	X	X	X
Fluosilicic Acid	70˚	A	A	A	B
Formaldehyde	70˚	X	X	B	A
Formalin	70˚	I	I	A	A
Formic Acid (less than 50%)	70˚	B	B	A	A
Formic Acid (more than 50%)	70˚	B	X	X	B
Freon 12	70˚	B	B	B	X
Freon 22	70˚	X	X	X	X
Fuel A (ASTM)	70˚	A	B	B	I
Fuel B (ASTM)	70˚	A	B	X	X
Fuel Oil	70˚	A	B	B	X
Furfural	70˚	X	X	X	X
G					
Gasoline	70˚	X	X	X	X
Glacial Acetic Acid	70˚	X	B	I	I
Glycerin	70˚	A	A	A	B
Grease	70˚	A	A	A	B
H					
Heptane	70˚	A	A	X	X
Hexane	70˚	A	A	B	X
Hexanol	70˚	B	A	B	B
Hexyl Methyl Ketone	70˚	I	X	I	I
Hexylene Glycol	70˚	I	B	I	I
Hexyly-Alcohol	70˚	I	A	I	I
Hydrobromic Acid	70˚	A	A	B	B
Hydrochloric Acid	70˚	A	B	A	A
Hydrofluoric Acid	70˚	A	B	A	B
Hydrofluosilicic Acid	70˚	B	B	I	I
Hydrogen Dioxide 10%	70˚	I	A	A	I
Hydrogen Dioxide over 10%	70˚	I	A	A	I

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Hydrogen Gas	70°	X	X	X	B
Hydrogen Peroxide 10%	70°	A	A	A	B
Hydrogen Peroxide over 10%	70°	A	A	A	B
I					
Iodine	70°	X	X	X	X
Iron Acetate	70°	I	A	I	I
Iron Hydroxide	70°	I	A	A	I
Iron Salts	70°	I	A	A	B
Iron Sulfate	70°	I	A	A	A
Iron Sulfide	70°	I	A	I	I
Isoamyl Acetate	70°	I	X	I	I
Isoamyl Alcohol	70°	I	A	I	I
Isoamyl Bromide	70°	X	X	X	I
Isoamyl Butyrate	70°	I	X	I	I
Isoamyl Chloride	70°	I	X	I	I
Isoamyl Ether	70°	I	X	I	I
Isoamyl Phthalate	70°	I	X	I	I
Isobutanol	70°	I	A	I	A
Isobutyl Acetate	70°	I	X	I	I
Isobutyl Alcohol	70°	I	A	I	A
Isooctane	70°	I	B	X	I
Isopentane	---	I	B	I	I
Isopropanol	70°	I	A	I	A
Isopropyl Acetate	70°	X	X	X	I
Isopropyl Alcohol	70°	A	A	B	B
Isopropyl Benzene	70°	I	X	I	X
Isopropyl Chloride	---	I	X	I	I
J					
Jet Fuels	---	X	X	X	X
K					
Kerosene	70°	X	B	X	X
Ketones	70°	X	X	X	X
L					
Lead Acetate	70°	A	A	A	B

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Lead Sulfate	70°	I	X	I	I
Linseed Oil	70°	A	A	A	X
Lubricating Oils	70°	A	B	B	I
M					
MIBK	70°	I	X	I	X
M.E.K.	70°	X	X	B	X
Magnesium Acetate	70°	I	A	I	I
Magnesium Chloride	70°	A	A	A	A
Magnesium Hydrate	70°	I	A	A	B
Magnesium Hydroxide	70°	A	A	A	A
Magnesium Sulfate	70°	A	A	A	A
Malic Acid	70°	B	A	B	B
Manganese Sulfate	70°	I	A	I	I
Manganese Sulfide	70°	I	A	I	I
Manganese Sulfite	70°	I	A	I	I
Methanol	70°	A	A	A	A
Methallyl Alcohol	70°	I	A	I	I
Methyl (Wood) Alcohol	70°	B	B	A	A
Methyl Acetate	70°	X	X	X	X
Methyl Acetoacetate	70°	I	X	I	I
Methyl Acetone	70°	I	X	I	X
Methyl Amyl Acetate	70°	X	X	X	X
Methyl Amyl Alcohol	70°	I	A	I	I
Methyl Amyl Ketone	70°	I	X	A	I
Methyl Benzene	70°	I	X	I	X
Methyl Butanol	70°	I	B	I	X
Methyl Butyl Ketone	70°	I	X	I	I
Methyl Cellosolve	70°	I	B	I	I
Methyl Chloride	---	X	X	X	X
Methyl Ethyl Ketone	70°	X	X	B	I
Methyl Hexyl Ketone	70°	I	X	A	I
Methyl Isobutyl Ketone	70°	I	X	I	X
Methyl Isopropyl Ketone	70°	I	X	I	I
Methyl Normal Amyl Ketone	70°	I	X	I	I

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Methylallyl Chloride	70˚	X	X	X	X
Methyl Propyl Ether	70˚	I	I	A	I
Methyl Propyl Ketone	70˚	I	X	I	I
Methylallyl Acetate	70˚	I	X	I	I
Methylene Bromide	70˚	X	X	X	I
Methylene Chloride	---	X	X	X	X
Mineral Spirits	70˚	I	B	I	I
Monochlorobenzene	70˚	X	X	X	X
Monochlorodibluoromethane	70˚	I	X	I	I
Muriatic-Acid	70˚	I	B	A	B
N					
Naphtha	70˚	B	B	B	X
Naphthalene	70˚	B	X	B	X
Natural Gas	No hose is recommended for this service				
Nickel Chloride	70˚	A	A	A	B
Nickel Nitrate	70˚	A	A	A	B
Nickel Sulfate	70˚	A	A	A	A
Nitric Acid 10%	70˚	A	A	A	B
Nitric Acid 20%	70˚	A	B	A	B
Nitric Acid 30%	70˚	B	B	A	B
Nitric Acid 30-70%	70˚	X	X	X	X
Nitro Benzene	70˚	X	X	X	X
Nitrogen Gas	70˚	A	A	A	A
Nitrous Oxide	70˚	A	A	A	B
O					
Octanol	70˚	I	A	I	B
Octyl Acetate	70˚	I	X	I	I
Oil Petroleum	70˚	A	B	A	I
Oleic Acid	70˚	B	B	B	B
Oleum	70˚	X	X	X	X
Orthodichlorobenzene	70˚	I	X	I	I
Orthodichlorobenzol	70˚	I	X	I	I
Oxalic Acid	70˚	A	A	A	A
Oxygen	No hose is recommended for this service				

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Ozone	70˚	B	B	B	B
P					
Palmitic Acid	70˚	B	B	B	b
Papermakers Alum	70˚	I	A	I	I
Paradichlorobenzol	70˚	I	X	I	I
Paraffin	70˚	B	A	B	I
Pentachloroethane	70˚	I	I	X	I
Pentane	70˚	B	B	I	X
Pentanol	70˚	I	A	I	I
Perchloroethylene	70˚	X	X	X	X
Petroleum Ether (Ligroin)	70˚	A	B	I	X
Petroleum - Crude	70˚	A	B	X	X
Petroleum Oils	70˚	A	B	X	X
Phenol	70˚	X	X	X	X
Phenolsulfonic Acid	70˚	I	X	I	I
Phenyl Chloride	70˚	I	I	X	X
Phosphoric Acid 10%	70˚	A	A	A	A
Phosphoric Acid 10%-85%	70˚	B	B	A	B
Polyethylene Glycol	70˚	B	B	A	B
Polypropylene Glycol	70˚	B	B	A	B
Potassium Acetate	70˚	I	A	A	B
Potassium Bisulfate	70˚	A	A	A	B
Potassium Bisulfite	70˚	A	A	A	B
Potassium Carbonate	70˚	A	A	A	A
Potassium Chloride	70˚	A	A	A	A
Potassium Chromate	70˚	A	A	A	B
Potassium Dichromate	70˚	A	A	A	B
Potassium Hydrate	70˚	I	A	I	B
Potassium Hydroxide	70˚	B	A	A	B
Potassium Nitrate	70˚	A	A	A	B
Potassium Silicate	70˚	I	A	I	B
Potassium Sulfate	70˚	A	A	A	B
Potassium Sulfide	70˚	A	A	A	B
Potassium Sulfite	70˚	A	A	A	B

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Propanediol	70°	I	A	I	B
Propanol	70°	I	A	I	B
Propyl Acetate	70°	I	X	I	I
Propyl Alcohol	70°	A	A	B	B
Propyl Chloride	---	X	X	X	X
Propylene Dichloride	70°	X	X	X	X
Propylene Glycol	70°	A	I	A	A
S					
Sea Water	70°	A	A	A	A
Silicate of Soda	70°	I	B	A	A
Soda Ash	70°	A	A	A	A
Soda, Caustic	70°	A	B	A	A
Soda, Lime	70°	I	B	A	I
Soda, Niter	70°	I	B	I	A
Sodium Acetate	70°	A	B	A	B
Sodium Aluminate	70°	I	A	A	B
Sodium Bisulfate	70°	A	A	A	A
Sodium Bisulfite	70°	I	A	A	A
Sodium Carbonate	70°	A	A	A	A
Sodium Chloride (brine)	70°	A	A	A	A
Sodium Chromate	70°	I	A	I	I
Sodium Dichromate	70°	A	A	A	B
Sodium Hydrate	70°	I	A	I	I
Sodium Hydrochlorite	70°	A	A	B	B
Sodium Hydroxide	70°	A	A	A	A
Sodium Hypochlorite	70°	A	A	A	A
Sodium Nitrate	70°	A	A	A	A
Sodium Silicate	70°	A	A	A	A
Sodium Sulfate	70°	A	A	A	A
Sodium Sulfide	70°	A	A	A	A
Sodium Sulfite	70°	A	A	A	A
Sodium Thiosulfate	70°	A	A	A	A
Stannic Chloride	70°	A	A	A	B
Stannic Sulfide	70°	I	A	I	I

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	Temp °F	Spirathane	Flexible PVC	TPE	TPR
Stannous Chloride	70°	I	A	I	I
Stannous Sulfide	70°	I	A	I	I
Stearic Acid	70°	A	A	A	A
Sulfonic Acid	70°	I	B	I	I
Sulfur Dioxide (Liquid)	70°	X	X	X	X
Sulfuric Acid (Dry)	70°	A	A	A	A
Sulfuric Acid 25%	70°	A	A	A	A
Sulfuric Acid 25-50%	70°	A	A	A	A
Sulfuric Acid 50-96%	70°	X	X	B	B
Sulfuric Acid Fuming	70°	X	X	X	X
Sulfurous Acid 10%	70°	B	B	B	A
Sulfurous Acid 10-75%	70°	X	X	X	X
T					
Tannic Acid	70°	B	B	B	A
Tar	---	I	X	I	I
Tartaric Acid	70°	A	A	A	A
Tertiary Butyl Alcohol	70°	B	B	B	I
Tetrachlorobenzene	70°	I	X	I	I
Tetrachloroethane	70°	I	X	X	X
Tetrachloroethylene	70°	I	X	X	X
Tetraethylene Glycol	70°	I	B	I	I
Tetrachloromethane	70°	I	X	I	X
Tetrachloronaphthalene	70°	I	X	I	X
Tetrahydrofuran	70°	X	X	X	X
Tin Chloride	70°	B	B	B	B
Tin Tetrachloride	70°	B	B	B	B
THF	70°	I	X	I	X
Toluene	70°	X	X	X	X
Toluidine	70°	I	X	I	I
Toluol	70°	X	X	X	X
Transmission Oil “A”	70°	A	B	I	I
Tributyl Phosphate	70°	X	X	X	X
Trichlorobenzene	70°	X	X	X	X
Trichloroethane	70°	I	X	X	X

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Trichloroethylene	70˚	X	X	X	X
Trichloropropane	70˚	I	I	X	X
Triethanolamine	70˚	B	B	B	I
Triethylene Glycol	70˚	I	B	I	B
Triphenyl Phosphate	70˚	B	X	I	I
Trisodium Phosphate	70˚	B	B	A	A
Turpentine	70˚	B	B	A	X
U					
Urea	70˚	A	A	A	A
Undecanol	70˚	I	A	I	I
V					
V.M. & P. Naptha	70˚	I	B	I	I
Vinyl Acetate	70˚	I	X	I	X
Vinyl Benzene	70˚	I	X	I	X
Vinyl Chloride	---	X	X	X	X
W					
Water	70˚	A	A	A	A
Wood Alcohol	70˚	B	B	B	A
X					
Xylene (Xylol)	70˚	X	X	X	X
Xylidine	70˚	I	X	I	I
Z					
Zinc Carbonate	70˚	I	A	A	B
Zinc Chloride	70˚	A	A	A	B
Zinc Chromate	70˚	A	A	A	I
Zinc Sulfate	70˚	A	A	A	B

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