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**No. GS80
GENERAL SERVICE AIR HOSE**



Part Number	Inside Diameter	Outside Diameter	Working Pressure-PSI	Standard Reel
GS80-014-30	1/4"	33/64"	300	300'
GS80-038-30	3/8"	43/64"	300	300'
GS80-050-30	1/2"	53/64"	300	300'
GS80-058-30	5/8"	1-1/16"	300	300'
GS80-075-30	3/4"	1-9/64"	300	300'
GS80-100-30	1"	1-3/8"	300	300'
GS80-125-20	1-1/4"	1-7/8"	200	150'
GS80-150-20	1-1/2"	2-1/8"	200	150'
GS80-200-20	2"	2-39/64"	200	150'

Recommended As: A general service hose for air and water where maximum oil resistance is not needed. Ideal for general air, water service and oil mist lubricating lines.

Tube: Black nitrile & SBR blend.

Reinforcement: Braided nylon.

Cover: Red EPDM blend. Excellent visibility. Resists gouging, cutting and weathering, and sunlight. Also available in black, yellow, blue, green and grey.

Lengths: Continuous on reels, cut and/or coupled to client's individual specifications.

Couplings: Crowfoot, Dixlock, cam & groove, industrial quick connects.

**No. WD
HEAVY DUTY WATER DISCHARGE HOSE**



Part Number	Inside Diameter	Outside Diameter	Number of Plies	Weight LB/FT	Working Pressure-PSI
WD-125	1-1/4"	1-21/32"	4	.45	200
WD-150	1-1/2"	1-57/64"	4	.59	200
WD-200	2"	2-33/64"	4	.81	150
WD-250	2-1/2"	2-61/64"	4	1.08	150
WD-300	3"	3-35/64"	4	1.25	150
WD-400	4"	4-39/64"	4	1.62	150
WD-600	6"	6-35/64"	2	3.35	150
WD-800	8"	8-15/32"	2	4.92	150
WD-1000	10"	10-5/8"	1	5.10	150
WD-1200	12"	12-9/16"	1	5.8	100

Recommended As: Heavy duty water discharge hose for tough operating conditions.

Tube: Black EPDM & SBR blend.

Reinforcement: Multiple plies of spiral high tensile cord.

Cover: Black abrasion, weather, ozone & sunlight resistant, EPDM blended rubber.

Lengths: Standard 100 ft., cut and/or coupled to client's individual specifications.

Couplings: Cam & Groove, combination nipples or pin lug short shank couplings attached with a single bolt, double bolt or band type clamps.

Also available in standard duty and heavy wall water discharge.

**No. WSD
WATER SUCTION HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working-Pressure-PSI
WSD-100	1"	1-3/8"	6"	.52	150
WSD-125	1-1/4"	1-21/32"	7"	.63	150
WSD-150	1-1/2"	1-59/64"	8"	.82	150
WSD-200	2"	2-1/2"	10"	1.15	150
WSD-250	2-1/2"	3"	15"	1.65	150
WSD-300	3"	3-1/2"	18"	2.11	150
WSD-350	3-1/2"	4"	14"	2.37	150
WSD-400	4"	4-19/32"	25"	3.05	150
WSD-500	5"	5-21/32"	29"	3.95	150
WSD-600	6"	6-45/64"	32"	4.55	150
WSD-800	8"	8-45/64"	40"	8.98	150
WSD-1000	10"	10-23/32"	50"	10.3	150
WSD-1200	12"	12-51/64"	60"	12.4	90

Recommended As: A general service water suction hose for use in construction, mining and agriculture.

Tube: Black EPDM blended rubber.

Temperature & Range: -40° To 185°F.

Reinforcement: Spiraled high tensile textile cords and double steel helix wire.

Cover: Black weather and ozone resistant, EPDM blended rubber.

Lengths: Standard 100 ft: 1" thru 6"; Standard 20 Ft: 8" thru 10", also cut and/or coupled to client's individual specifications.

Couplings: Cam And Groove, pin lug short shank couplings or combination nipples.

**No. XLPE
CHEMICAL HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
XLPE-075	3/4"	1-7/32"	5"	.56	150
XLPE-100	1"	1-9/16"	6"	.77	150
XLPE-125	1-1/4"	1-7/8"	8"	.94	150
XLPE-150	1-1/2"	2-1/16"	9"	1.15	150
XLPE-200	2"	2-9/16"	11"	1.47	150
XLPE-250	2-1/2"	3-1/16"	13"	1.74	150
XLPE-300	3"	3-19/32"	15"	2.45	150
XLPE-400	4"	4-7/8"	20"	3.40	150
XLPE-600	6"	6-7/8"	48"	6.5	150

Recommended As: Suction and transfer for a wide variety of chemicals and solvents. Will handle 90% of existing chemicals. See chemical Resistance chart.

Tube: Beige, smooth modified cross-linked polyethylene (XLPE).

Temperature & Range: Normal maximum recommended operating temperature is 160°F intermittent use up to 176°F.

Reinforcement: Spiralled high tensile textile cords, and steel helix wire. For static grounding use helix wire.

Cover: Green corrugated abrasion and weather resistant EPDM Blend. Designed to resist general chemical and hydrocarbon exposure.

Lengths: Standard 100 ft., also cut and/or coupled to client's individual requirements.

Couplings: Cam and Groove and combination nipples we recommend stainless steel.

Also available in discharge only.

**No. UHMWPE
CHEMICAL HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
UHMWPE-075	3/4"	1-7/32"	5"	.40	150
UHMWPE-100	1"	1-15/32"	6"	.48	150
UHMWPE-125	1-1/4"	1-47/64"	7"	.60	150
UHMWPE-150	1-1/2"	1-31/32"	9"	.69	150
UHMWPE-200	2"	2-31/64"	11"	.90	150
UHMWPE-250	2-1/2"	3-1/32"	12"	1.16	150
UHMWPE-300	3"	3-5/8"	15"	1.93	150
UHMWPE-400	4"	4-21/32"	20"	2.55	150

Recommended For: Suction and transfer for a wide variety of chemicals and acids. Will handle 98% of existing chemicals. See chemical Resistance chart.

Tube: UHMWPE (Ultra High Molecular Weight Polyethylene).

Temperature & Range: Normal maximum recommended operating temperature is -40° to 176°F.

Reinforcement: Synthetic textile cords with 4 highly flexible steel helix wires.

Cover: Blue corrugated abrasion and weather resistant EPDM Blend. Designed to resist general chemical and hydrocarbon exposure.

Lengths: Standard 100 ft., also cut and/or coupled to client's individual requirements.

Couplings: Cam and Groove and combination nipples we recommend stainless steel.

**No. STEAM
STEAM HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
STEAM-050-E	1/2"	61/64"	5"	.32	250
STEAM-075-E	3/4"	1-3/16"	7-1/2"	.42	250
STEAM-100-E	1"	1-15/32"	10"	.61	250
STEAM-125-E	1-1/4"	1-3/4"	12-1/2"	.78	250
STEAM-150-E	1-1/2"	2-1/16"	15"	1.01	250
STEAM-200-E	2"	2-9/16"	20"	1.39	250
STEAM-250-E	2-1/2"	3-1/8"	26"	2.61	250
STEAM-300-E	3"	3-3/4"	32"	4.00	250
STEAM-400-E	4"	4-7/8"	44"	4.30	250

Designed For: High-pressure service. Saturated steam at pressures to 250 PSI and temperatures to 406°F. Superheated steam to 250 PSI and 450°F. Not for use with detergents. The steel wire braids provide maximum strength and also serve as a static wire. Hose meets MIL-H-28596B, Type 1, Grade A and may be used as a component to fabricate metal lined steam hose assemblies to MIL-H-29210. 10:1 safety factor (2500 Minimum burst) for steam applications.

Tube: Black EPDM, also available with a chlorobutyl tube.

Temperature & Range: -40°F to 406°/450°F.

Reinforcement: Steel wire braids.

Cover: Pinpricked red or black, smooth (wrapped finish) EPDM rubber compound to withstand high temperature, weather, abrasion and aging.

Lengths: 300', cut and/or coupled to client's individual requirements.

Couplings: Female ground joint or washer type with spuds attached with 2 or 4-bolt interlocking clamps.

**No. TCH-100
TANK CLEANING HOSE**



Part Number	Inside Diameter	Outside Diameter	Weight LB/FT	Working Pressure-PSI
TCH-100-15	1-1/2"	2-3/16"	1.2	250
TCH-100-20	2"	2-11/16"	1.4	250

Accord Style 100: Is a high pressure, special hose for cleaning cargo and bulk storage tanks aboard tankers, barges, in terminals and refineries.

Tube: Is specially compounded to resist hot salt water and many cleansing agents.

Temperature & Range: 203°F (96°C) maximum.

Pressure: 250 PSI (17 Bar) working pressure, 1000 PSI (68 Bar) minimum burst pressure.

Ground Wires: 2 Stainless steel braided wires (19 strands 1mm diameter).

Reinforcement: Multiple plies of polyester - mildew resistant - will not wick.

Cover: 1/8" thick cover provides excellent resistance to abrasion, salt water, heat and ozone.

Depth Rings: Marked with bright yellow, 3" (75 mm) Wide depth rings every 5 ft. - indicating exact footage.

Lengths: Standard, (50 ft., 75 ft., 100 ft., 300 ft.) cut and coupled to client's requirements.

Couplings: Non-sparking brass tank cleaning hose couplings or stainless steel couplings with brass or stainless steel 4-bolt interlocking clamps. Additionally, cam & groove couplings in brass and stainless steel with interlocking clamps.

Testing: All assemblies tested for electrical continuity.

Maximum Resistance: 7Ω to 18Ω for 50' to 100' lengths.

**No. PD
PETROLEUM DISCHARGE HOSE**



Part Number	Inside Diameter	Outside Diameter	Weight LB/FT	Working Pressure -PSI
PD-150	1-1/2"	1-57/64"	.61	150
PD-200	2"	2-13/32"	.81	150
PD-300	3"	3-29/64"	1.41	150
PD-400	4"	4-1/2"	1.9	150
PD-600	6"	6-1/2"	3.0	150

Recommended For: Oil discharge hose designed for use on trucks, docks or barges where a soft wall hose is required.

Tube: Black smooth nitrile rubber.

Temperature & Range: -40°F to 158°F.

Reinforcement: High strength synthetic cord plus anti-static copper wire and embedded steel helix wire.

Cover: Black corrugated (wrapped finish), highly abrasion resistant synthetic cover.

Lengths: Standard 100 ft., 200 ft., and 40 ft. over 10" diameter, also cut and/or coupled to client's individual requirements.

Couplings: Cam and Groove and combination nipples preferably stainless steel.

**No. PDL
PETROLEUM DISCHARGE LAYFLAT HOSE**



Part Number	Inside Diameter	Outside Diameter	Weight LB/FT	Working Pressure-PSI
PDL-100	1"	1-1/4"	.14	300
PDL-150L	1-1/2"	1-11/16"	.21	150
PDL-150	1-1/2"	1-3/4"	.30	200
PDL-200L	2"	2-3/16"	.30	150
PDL-200	2"	2-1/4"	.44	250
PDL-250L	2-1/2"	2-11/16"	.42	150
PDL-300L	3"	3-3/16"	.46	150
PDL-300	3"	3-5/16"	.64	250
PDL-400L	4"	4-3/16"	.64	150
PDL-400	4"	4-3/8"	.86	250
PDL-600	6"	6-1/4"	1.42	250
PDL-800	8"	8-1/4"	2.1	200

Recommended For: Designed for delivery of fluids or gases, resistant to many products such as oil, grease, acids, bases, salts, sewage and seawater.

Tube: Black or yellow, Nitrile/PVC blend resistant to oil/weather.

Temperature & Range: -4°F to 176°F.

Reinforcement: Polyester reinforcement.

Cover: Ribbed, highly resistant to oil, abrasion and weathering.

Lengths: Standard 200 ft., and 100 ft. for 8" diameter, also cut and/or coupled to client's individual requirements.

Couplings: Cam and Groove and combination nipples.

**No. PSD
PETROLEUM SUCTION & DISCHARGE HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
PSD-075	3/4"	1-1/8"	4"	.40	150
PSD-100	1"	1-7/16"	5"	.49	150
PSD-125	1-1/4"	1-21/32"	6"	.65	150
PSD-150	1-1/2"	1-57/64"	7"	.98	150
PSD-200	2"	2-7/16"	10"	1.22	150
PSD-250	2-1/2"	3"	12"	1.70	150
PSD-300	3"	3-15/32"	15"	2.03	150
PSD-400	4"	4-9/16"	20"	3.42	150
PSD-500	5"	5-21/32"	26"	5.30	150
PSD-600	6"	6-51/64"	30"	7.22	150
PSD-800	8"	8-29/32"	48"	11.90	150

Recommended For: Suction and discharge application in tank car and truck transfer of gasoline, oil and other petroleum base products.

Tube: Smooth black nitrile rubber. Resistant to up to 50% Aromatics.

Temperature & Range: -40° to 212°F.

Reinforcement: Spiraled high tensile textile cords and double steel helix wire. For static grounding - use helix wires.

Cover: Smooth, black neoprene, oil and ozone resistant.

Lengths: Standard 100 ft., also cut and/or coupled to client's individual requirements.

Couplings: Cam and Groove and combination nipples .

**No. SP
PETROLEUM DROP HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
SP-101-200	2"	2-7/8"	4"	1.08	100
SP-101-300	3"	3-7/8"	6"	1.49	100
SP-101-400	4"	4-7/8"	8"	2.11	100
SP-101-600	6"	7"	12"	3.20	100
SP-102-200	2"	2-7/8"	4"	1.08	100
SP-102-300	3"	3-7/8"	6"	1.49	100
SP-102-400	4"	4-7/8"	8"	2.11	100
SP-102-600	6"	7"	12"	3.20	100

Description: Ultra-lightweight flexible petroleum drop hose. Seamless static dissipating tube. This unique construction combines rubber and PVC to provide excellent vacuum capabilities and abrasion resistance. All-weather product is available with static wire for added protection (SP-102) or without (SP-101) static wire. Premium grade cover with external PVC helix provides superior oil, ozone, and abrasion resistance.

Tube: Seamless black nitrile, static conductive. Resistant to up to 60% Aromatics.

Reinforcement: Multiple plies of synthetic fabric, supported by a PVC helix.

Cover: One piece nitrile blend.

Temperature: -40°F to +150°F.

**No. MSD
MATERIAL HANDLING SUCTION & DISCHARGE HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
MSD-300	3"	4-7/16"	15"	4.17	150
MSD-400	4"	5-5/16"	20"	4.91	150
MSD-600	6"	7-7/16"	30"	8.60	150
MSD-800	8"	9-9/16"	56"	11.42	150
MSD-1000	10"	11-3/8"	80"	13.44	150

Recommended For: All weather general purpose suction and transfer hose. Designed to handle abrasive material economically.

Tube: Black or red, smooth natural rubber.

Temperature & Range: -40°F to 158°F.

Reinforcement: High strength synthetic cord plus anti-static copper wire and embedded steel helix wire.

Cover: Black corrugated (wrapped finish), highly abrasion resistant synthetic cover.

Lengths: Standard 100 ft., 200 ft., and 40 ft. over 10" diameter, also cut and/or coupled to client's individual requirements.

**No. HTA
HOT TAR & ASPHALT DOCK HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
HTA-200	2"	2-11/16"	10"	1.48	150
HTA-300	3"	3-3/4"	15"	2.54	150
HTA-400	4"	4-13/16"	20"	3.32	150
HTA-400D	4"	5-1/4"	16"	5.20	200
HTA-600D	6"	7-1/2"	36"	9.05	200
HTA-800D	8"	9-9/16"	48"	13.29	200

Description: Black NBR, hot tar & asphalt resistant, suction and discharge hose. Recommended for hot tar, asphalt, hot oil, molten sulphur, and other unrefined petroleum products. Specially formulated elastomer allows this product to be used at temperatures exceeding 300°F. Dual helix design provides full vacuum capabilities. Seamless tube construction offers an ultra-smooth product contact surface. Durable, all-purpose cover is heat, oil, ozone, and abrasion resistant. Available in swaged end styles. Not recommended for refined petroleum products.

Tube: Seamless heat resistant NBR.

Reinforcement: Multiple plies of polyester with helix wire.

Cover: One piece black heat, ozone, and hot tar resistant CSM .

Temperature Rating: -25°F to +350°F

Lengths: 100 ft. and/or coupled to client's individual requirements.

Part #'s ending with "D" are for Dock applications and rated for full vacuum.

**No. DOSD
DOCK / OIL SUCTION & DISCHARGE HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
DOSD-300	3"	4-7/16"	15"	4.17	200
DOSD-400	4"	5-3/16"	16"	6.00	200
DOSD-600	6"	7-1/4"	36"	9.31	200
DOSD-800	8"	9-9/16"	48"	12.09	200
DOSD-1000	10"	11-15/32"	60"	20.05	200
DOSD-1200	12"	13-9/16"	72"	26.45	200

Description: Heavy duty, multi-purpose suction & discharge hose. Designed specifically for transferring petroleum products to and from tankers, barges and storage tanks. Exclusive construction allows for excellent flexibility and handling ease. Rugged all weather cover is resistant to oil, cuts, gouges, scuffs, and ozone attack. Available in smooth or corrugated construction with built-in or swaged end styles. Meets all Coast Guard regulations for Dock/O.S. & D. hose.

Tube: Seamless nitrile blend. Resistant up to 50% aromatics.

Reinforcement: Multiple plies of polyester with helix wire.

Cover: Neoprene.

Temperature & Range: -40°F to 180°F.

Lengths: 100 ft. for sizes up to 8"; 50' for sizes 10" & 12", cut and/or coupled to client's individual requirements.

**No. MSSD
HOT MOLTEN SULPHUR SERVICE HOSE**



Part Number	Inside Diameter	Outside Diameter	Bend Radius	Weight LB/FT	Working Pressure-PSI
MSSD-600	6"	8"	42"	12.00	200
MSSD-800	8"	10-1/4"	54"	20.00	200
MSSD-1000	10"	12-1/4"	66"	28.00	200

Description: Heavy duty Molten Sulphur dock hose with a modified rough bore construction to handle 300°F. Heat and chemical resistant EPDM cover with a high grade EPDM tube.

Tube: Black EPDM tube.

Temperature & Range: -40°F to 300°F.

Reinforcement: Multiple plies of polyester tire cord with wire helix.

Cover: Black EPDM.

Lengths: 100 ft. for sizes up to 8"; 50 ft. for sizes 10", cut and/or coupled to client's individual requirements.

**No. SS
MARINE EXHAUST HOSE**



Part Number	ID	OD	# of plies	Wt lb/ft	WP PSI
SS-269-118	1-1/8"	1-9/16"	2	.52	200
SS-269-114	1-1/4"	1-13/16"	2	.75	200
SS-269-1516	1-5/16"	1-7/8"	2	.78	200
SS-269-138	1-3/8"	1-5/16"	2	.78	200
SS-269-112	1-1/2"	2-1/16"	2	.87	200
SS-269-158	1-5/8"	2-3/16"	2	.94	200
SS-269-134	1-3/4"	2-5/16"	2	1.02	200
SS-269-178	1-7/8"	2-7/16"	2	1.08	200
SS-269-200	2"	2-9/16"	2	1.11	200
SS-269-218	2-1/8"	2-11/16"	2	1.21	200
SS-269-214	2-1/4"	2-13/16"	2	1.26	200
SS-269-238	2-3/8"	2-15/16"	2	1.32	200
SS-269-212	2-1/2"	3-1/16"	2	1.45	200
SS-269-258	2-5/8"	3-3/16"	2	1.53	200
SS-269-234	2-3/4"	3-5/16"	2	1.58	200
SS-269-278	2-7/8"	3-7/16"	2	1.64	200
SS-269-300	3"	3-5/8"	4	1.52	200
SS-269-318	3-1/8"	3-3/4"	4	1.70	200

Part Number	ID	OD	# of plies	Wt lb/ft	WP PSI
SS-269-314	3-1/4"	3-7/8"	4	1.76	200
SS-269-312	3-1/2"	4-1/8"	4	1.78	200
SS-269-400	4"	4-5/8"	4	1.97	200
SS-269-418	4-1/8"	4-3/4"	4	1.98	200
SS-269-414	4-1/4"	4-7/8"	4	2.09	200
SS-269-412	4-1/2"	5-1/8"	4	2.22	200
SS-269-500	5"	5-15/16"	6	3.84	200
SS-269-5916	5-9/16"	6-1/2"	6	4.12	200
SS-269-600	6"	6-15/16"	6	4.65	200
SS-269-658	6-5/8"	7-9/16"	6	5.03	200
SS-269-700	7"	7-15/16"	6	5.31	200
SS-269-800	8"	8-15/16"	6	5.91	150
SS-269-858	8-5/8"	9-1/2"	6	6.94	150
SS-269-1000	10"	11"	6	7.83	150
SS-269-1034	10-3/4"	11-3/4"	6	8.40	100
SS-269-1200	12"	13"	6	9.03	100
SS-269-1234	12-3/4"	13-5/8"	6	9.46	100

Description: Premium grade, heavy duty marine exhaust hose. High pressure, multi-purpose product for use as a flexible connection to transfer wet exhaust. Tube resists high temperatures found in marine engine compartments. Durable cover is heat, ozone and abrasion resistant.

Tube: Black seamless nitrile blend.

Temperature & Range: -40°F to 200°F.

Reinforcement: Multiple plies of polyester.

Cover: Nitrile blend.

Lengths: Standard 12.5 ft., 25 ft., 50 ft., also cut and/or coupled to client's individual requirements.

**No. SB
SAND BLAST HOSE**



Part Number	Inside Diameter	Outside Diameter	Weight LB/FT	Working Pressure-PSI
SB-050	1/2"	1-1/16"	.40	150
SB-075	3/4"	1-1/2"	.65	150
SB-100	1"	1-57/64"	1.00	150
SB-125	1-1/4"	1-11/64"	1.25	150
SB-150	1-1/2"	2-23/64"	1.30	150
SB-200	2"	2-7/8"	1.66	150

Description: Long lasting heavy duty hose available in 2 or 4 ply, exceptionally tough and abrasion resistant. Designed to convey abrasive sand and shot blast material.

Tube: Black natural rubber, static conductive.

Temperature & Range: -30°F to 185°F.

Reinforcement: High tensile textile cords.

Cover: Black synthetic rubber, abrasion and weather resistant, also pin pricked.

Lengths: Standard 50 ft., and 100 ft., also cut and/or coupled to client's individual requirements.

Couplings: Sandblast couplings and nozzle holders attached with screws.

HOSE COUPLINGS

Accord personnel can apply various types of small and large diameter couplings to industrial hose and water suction. For use with straight ends.



Combination Nipple

For low or medium pressure service with water, material and water suction. For use with straight ends.



Shank

For low or medium pressure air, water, or general purpose in suction or discharge service.



Cam & Groove (Quick Disconnect)

For low or medium pressure water, petroleum and chemical transfer where fast connection is desired.



Capped End

Hose end terminates with rubber cap to protect reinforcement from contamination that would cause hose to fail prematurely.



Soft End

Body wire reinforcement terminates short of hose end to create "Soft" end for ease of clamping to ensure sealed fit to couplings or pipe.



Rota-Lok End

End with either full floating flanges or split flanges. A superior design to the old style "Rolled Angle Ring" type beaded end. Tube extends through nipple and up face of stub end. Full flow unrestricted transition area.



Swage

This fitting consists of a stern & ferrule swaged to a hose. The ferrule is externally swaged for maximum holding power.



Modified Built-In Rubber Flanges (B.I.R.F.)

A superior design to the duck & rubber flange. Hose tube extends through nipple and up the face of the flange, offering a full flow unrestricted transition area.



Beaded Ends

Used where rubber seal/surface is required when handling abrasive, corrosive or caustic materials.



Built-In Nipple Threaded End/150# ANSI Flange

Recommended on handbuilt hose for heavy duty suction or discharge service where a steel pipe is integrally built into the hose end. Pipe nipple can terminate in male pipe threads, victaulic groove, 150-300# ANSI fixed or floating flanges.



Re-Attachable Petroleum Transfer

For coupling fuel oil, tank truck, LP-gas hose and aircraft fueling hose.

CHEMICAL RESISTANCE GUIDE

The chemical guides in this section are offered as a general indication of the compatibility of the various materials used in Accord's rubber hose assemblies with the chemicals and fluids listed. The basis for the ratings in this guide include actual service experience, the advice of various polymer suppliers, and the considered opinion of our rubber chemists. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle. Some of the variables that come into play in the resistance of a compound to chemical attack are:

1. Temperature of the Material Transmitted:

Higher temperatures increase the effect of chemicals on rubber compounds. The increase varies with the polymer and the chemical. A compound quite suitable at room temperature might fail very quickly at higher temperatures.

2. Service Conditions:

A rubber compound usually swells when exposed to a chemical. With a given percent of swell, the hose tube may function satisfactorily if the hose is in a static condition, but fail quickly if the hose is subject to flexing.

3. The Grade or Blend of the Rubber Compound:

Basic rubber polymers are sometimes mixed or blended together to enhance a particular property for a specific service. The reaction to a particular chemical blend of polymers may, therefore, be somewhat different from the reaction to the single ones. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle.

KEY TO GENERAL CHEMICAL RESISTANCE CHART

Note: All data is based on 68°F (20°C) unless otherwise noted.

E = Excellent

G = Good

F = Fair

C = Conditional

I = Insufficient Data

X = Unsatisfactory

Blank = No Data

Common Name	ASTM Designation D1418-93	Composition	General Properties
Natural	NR	Isoprene Rubber (Natural)	Excellent physical properties, including abrasion resistance. Not oil resistant.
SBR	SBR	Styrene-Butadiene Rubber	Good physical properties, including abrasion resistance. Not oil resistant.
EPM or EPDM	EPDM	Ethylene-propylene-diene-terpolymer	Good general purpose polymer. Excellent heat, ozone and weather resistant. Not oil resistant.
Neoprene	CR	Chloroprene	Excellent weathering resistance. Flame retarding. Good oil resistance. Good physical properties.
BUNA-N or Nitrile	NBR	Nitrile-Butadiene	Excellent oil resistance. Good physical properties.
Hypalon	CSM	Chloro-sulfonated polyethylene	Excellent ozone, weathering and acid resistance. Good abrasion and heat resistance. Can be compounded for good oil resistance.
Cross Linked Polyethylene	XLPE	Cross Linked Polyethylene	Excellent resistance to most solvents, oils and chemicals. Do not confuse with chemical properties of standard polyethylene.
Butyl	IIR	Isobutene-Isoprene	Very good weathering resistance, low permeability to air. Good physical properties. Poor resistance to petroleum-based fluids.
UHMWPE	UHMWPE	Ultra-High Molecular Weight Polyethylene	Excellent resistance to majority of existing chemicals. Meets FDA requirements for foods and beverages.

Rubber Hose Chemical Resistance Chart

Key to general chemical resistance chart all data based on 68°F (20°C)

E=Excellent; G=Good; F=Fair; C=Conditional; I=Insufficient Data; X=Not Recommended; Blank=No Data

Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE	Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE
Acetaldehyde	F	F	C	G	X		X	E	G	Banana Oil	C			C	X		X		
Acetic Acid, Glacial	G	X	X	G	C	X	X	E	E	Barium Chloride	E	E	E	E	E	E	E	E	E
Acetic Acid, 10%	F	F	F	E	X	F	F	E	G	Barium Hydroxide	E	E	E	E	E	E	E	E	E
Acetic Acid, 50%	E	X	X	E	X	G	X	E	E	Barium Sulfide	E	E	E	E	E	E	E	E	E
Acetic Anhydride	F	G	G	E	X	F	X	E	G	Beer	E	G	E	G	C	E	E		
Acetic Oxide	E		G			F	G	E	G	Beet Sugar Liquors	E	G	E	E	E	E	E		
Acetone	E	X	F	E	X	C	C	E	E	Benzal Chloride	G								E
Acetone Cyanohydrin	E		F			F	F	E	G	Benzaldehyde	E	X	X	E	X	X	X	E	E
Acetophenone	E	X	X	E	X	X	X			Benzene	X	X	X	X	X	X	X	E	G
Acetyl Acetone	G	X	X	E	X	X	X	E	G	Benzine	X	G	X	X	E	X	X	E	E
Acetyl Chloride	X	X	X	X	X	X	X	G	G	Benzoic Acid	X	X	X	X	X	X	X	E	E
Acetyl Oxide	E		G			F	G	E	G	Benzol				X	X				G
Acetylene	E	G	E	E	E	E	E	F	E	Benzotrithloride									G
Acetylene Di+Tera Chloride	X		X			X	X	G	G	Benzyl Acetate	G	X				X	X	E	E
Acrolein	E		G			G	F	E	G	Benzyl Alcohol	X	C	F	X	X	X	X	E	E
Acrylonitrile	X	X	C	X	X	X	X	C	G	Benzyl Chloride	G	X	C	G	X	C	C	E	E
Acrylic Acid									G	Black Sulfate Liquor	E	G	G	E	G	G	G		E
Adipic Acid	E	G	E	G	G		G			Bleach	G	X	F	G	X	X	X	G	F
Air, +300°F		X	X	X	X	X	X			Borax Solution	E	E	E	E	C	G	G	E	
Alk-Tri	X		X		X	X		E	I	Boric Acid		E	E	E	E	E	E	E	E
Allyl Alcohol	E		E			E	E	E	E	Brake Fluid (Hd-557)12 Days	G	G	G	E	C		E		
Allyl Bromide	X		X			X	X	G	G	Brine	E	E	E	E	F	E	E	E	E
Allyl Chloride	F	X	X	X		X	X	G	G	Bromacil				E					
Alum	E	E	E	E	E	E	E	E	E	Bromobenzene	X	X	X	X	X	X	X	C	G
Aluminium Acetate	G	G		E	F	X	X	E	E	Bromochlorometane	G	X	X	G	X	X	X	G	F
Aluminium Chloride	E	E	E	E	E	E	E	E	E	Bromotoluene	X	X				X	X	F	X
Aluminium Fluoride	E	E	E	E	E	G	E	E	E	Bugdioxane									E
Aluminium Formate	G		X			X	X	E	E	Bunker Oil	X	X	X	X	E	X	E	E	G
Aluminium Hydroxide		E	G		G	E			E	Butadiene	X	X	C	X	X	X	X	E	
Aluminium Nitrate	E	E	E	E	E	E	E	E	E	Butane	E	E	G	X	E	X	X	E	
Aluminium Sulfate	E	E	E	E	E	E	E	E	E	Butanoic Acid									
Alumus-NH3-CR-K	E	E	E	E	E	E	E			Butanol (Butyl Alcohol)	E	E	E	G	E	E	E	E	E
Amines-Mixed	G	G	X	G	X	G	G			Butanone					X				E
Aminobenzene									G	Butyl Acetate	G	X	X	C	X	X	X	E	E
Aminoethano									E	Butyl Acrylate	X	X	X	X	X	X		G	G
Ammonium Carbonate	E	E		E	X	E	E			Butyl Alcohol	E	E	E	E	E	E	E	E	E
Ammonium Chloride	E	E	E	E	E	E	E	E	E	Butyl Aldehyde	E					F		E	E
Ammonium Hydroxide	E	E	G	E	X	X	E	E	E	Butyl Benzyl Phthalate	E	X	X	E	C	X	X	E	E
Ammonium Nitrate	E	E	E	E	E		E	E	E	Butyl Carbitol	E	C	C	E	X	X	X	C	E
Ammonium Phosphate, Dibasic	E	E	E	E	E	E	E	E	E	Butyl Cellulose	E	X	X	G	C	X	X	E	E
Ammonium Sulphate	E	E	E	E	E	E	E	E	E	Butyl Chloride	F	X				X	X	G	G
Ammonium Sulphite	E		E			E	E	E	E	Butyl Ether	C	X	X	C	C	X	X	E	E
Ammonium Thiosulfate	E		E			E	E	E	E	Butyl Ether Acetaldehyde	E	X				X	X	E	E
Amyl Acetate	E	X	X	X	X	X	X	E	E	Butyl Ethyl Ether	G		X			X	X	E	E
Amyl Acetone	G		X			X	X	E	E	Butyl Oleate	G	X	X	G	X	X	X		
Amyl Alcohol	E	G	E	E	X	E	E	E	E	Butyl Phthalate	E		X			X	X	E	E
Amyl Chloride	X	X	X	X		X	X	G	E	Butyl Stearate	X	X	X	X	G	X	X	E	E
Amylamine	E		F			G	G		E	Butylene	X	C	X	X	G	X	X		F
Anethole	X		X			X	X	G	F	Butyraldehyde	E	X	X	G	X	X	X	E	E
Aniline	E	X	X	C	X	X	X	E	E	Butyric Acid	F	X	X	G	X	F	X	E	E
Aniline Dyes	G	G	G	G	X	G	G	E	G	Butyric Anhydride	F		G			F	X	E	E
Aniline Oil	G	X	X	G	X	X	X		G	Cadmium Acetate	G		X			X	X	E	E
Animal Fats	G	C	X	C	E	X	X	E	E	Calcium Aluminate	E		E			E	E	E	E
Antimony Pentachloride	X		X			X	X	E	E	Calcium Bichromate	E		F					G	F
Aqua Regia	X	X	C	C	X	X	X	G	G	Calcium Bisulfide		C		X	E				
Argon	G	X	X	E	C	X	X			Calcium Chloride	E	E	E	E	E	E	E	E	E
Arsenic Acid	E	E	E	E	E	E	E	E	E	Calcium Hydroxide	E	E	G	E	E	E	E	G	E
Asphalt	X	X	X	X	X	X	X	X	X	Calcium Hypochlorite	G	X	F	E	X	X	X	C	G
ASTM Fuel A	X	E	G	X	E	X	X			Calcium Nitrate	E	E	E	E	E	E	E	E	E
ASTM Fuel B	X	X	X	X	E	X	X			Calcium Sulfide	E	E	E	E	G	E	E	E	E
ASTM Fuel C	X	X	X	X	G	X	X			Calcium Acetate	G	G	X	E	G	X	X	E	E
ASTM Oil No. 1	X	E	G	X	E	X	X	E	E	Caprylic Acid	F		G			F	X	E	E
ASTM Oil No. 2	X	G	X	X	E	X	X	E	E	Carbitol	F	G	X	G	G	X	X	E	E
ASTM Oil No. 3	X	X	X	X	E	X	X	E	E	Carbolic Acid Phenol	E	X	X	G	X	X	X	E	E
ASTM Oil No. 4	X	X	X	X	G	X	X			Carbon Dioxide	E	C	E	C	X	E	E	E	E
Automatic Transmission Fluid	X	G	C	X	E	X	X			Carbon Disulfide	X	X	X	X	X	X	X	C	F

Rubber Hose Chemical Resistance Chart

Key to general chemical resistance chart all data based on 68°F (20°C)

E=Excellent; G=Good; F=Fair; C=Conditional; I=Insufficient Data; X=Not Recommended; Blank=No Data

Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE	Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE
Carbon Monoxide	E	C	E	C	E	F	G	E		Diamyl Naphthalene	E		X			X	X	E	
Carbon Tetrachloride	X	X	X	X	X	X	X	G	G	Diamylamine	E		G			F	G		E
Carbon Acid	E	X	E	G	X	E	E	E	F	Diamylene	X		X			X	X	E	F
Castrol Oil	E	E	E	G	E	F	G	E		Diamylphenol	X		X			X	X	E	F
Caustic Soda (See Sodium Hydroxide)									E	Dibenzyl Ether	E	X	X	X	X	X	X	E	F
Cellosolve Acetate	E	X	X	G	X	X	X	E	E	Dibromobenzene	X		X			X	X	E	G
Cellugard	E	E	E	G	E	E	E			Dibutyl Ether	G	X	X	C	X	X	X	E	F
China Wood Oil (Tung Oil)	C	G	X	X	E	X	X			Dibutyl Phthalate	C	X	X	C	X	X	X	E	F
Chlorinated Solvents	X	X	X	X	X	X	X	G	G	Dibutyl Sebacate	E	X	X	G	X	X	X	E	F
Chloroacetic Acid	F	X	X	X	X	X	X	E	E	Dibutylamine	X	X	X	X	X	X	X		E
Chloroacetone	G	X	X	E	X	X	X	E	E	Dicalcium Phosphate	E		E			E	E	E	E
Chlorobenzene	X	X	X	X	X	X	X	G	G	Dichloro Ethylene									F
Chlorobutane	F		X			X	X	G	F	Dichloroacetic Acid	F		X			G	X	E	E
Chlorodane				E	E					Dichlorobenzene	X	X	X	X	X	X	X	G	G
Chloroethyl Benzene	X		X			X	X	E	E	Dichlorobutane	X	X	X	X	G	X	X	E	F
Chloroform	X	X	X	X	X	X	X	G	G	Dichlorodifluoromethane	X		X			X	X		I
Chloropentane	X		X			X	X	E	E	Dichloroethane	X		X			X	X	E	E
Chlorosulfonic Acid	X	C	X	X	X	X	X	G	X	Dichloroethyl Ether	X		X			X	X	E	F
Chlorotoluene	X	X	X	X	X	X	X	G	G	Dichlorohexane	X		X			X	X	E	F
Chlorox	G	G	G	G	G	X	X			Dichloromethane	X		X			X	X	E	F
Chrome Plating Solutions	X	X	X	G	X	X	X			Dichloropentane	X		X			X	X	E	F
Chromic Acid	F	X	G	C	X	X	X	G	G	Dichloropropane	X		X			X	X	E	F
CIS-9-Octadecenoic Acid	G		X			X	X	E		Dichloropropene									E
Citric Acid	E	E	E	E	E	E	E	E		Diesel Oil	X	C	C	X	E	X	X	C	E
Coal Oil	X		X	X	X	X	X	E	E	Diethanol Amine	E		F			G	G		E
Coal Tar	X	G	X	X	E	X	X	E	E	Diethylbenzine	X	X	X	X	X	X	X	E	F
Coal Tar Naphtha	X		X			X	X	E	E	Diethyl Ether	X	C	X	X	X	X	X	E	
Coconut Oil	G	G	X	C	E	X	X	E		Diethyl Ketone	G		X			F	X	E	F
Coke Oven Gas	X	X	X	X	X	X	X	E		Diethyl Oxalate	E		X			E	E	E	F
Coolanol (Monsanto)		E	G	X	E	X	X			Diethyl Phthalate	E	X	X	G		X	X	E	F
Copper Chloride	E	C	E	E	C	F	E	E	E	Diethyl Sebacate	E	X	X	C	X	X	X		E
Copper Cyanide	E	E	E	E	E	E	E	E		Diethyl Sulfate									F
Copper Hydrate	E		G			F	G	E	E	Diethylamine	E	C	C	G	C	G	G	C	E
Copper Hydroxide	E		G			F	G	E	E	Diethylene Glycol	E	E	E	E	E	E	E	C	F
Copper Sulfate	E	E	E	E	E	F	E	E	E	Diethylenetriamine	E		F			G	G		E
Corn Oil	E	C	X	C	E	X	X	E		Diethyltriamine	E		F			G	G		F
Cottonseed Oil	C	C	X	C	C	X	X	C	G	Dihydroxydiethyl Ether	E		E			E	E		E
Creosote	X	C	X	X	C	X	X	E	E	Diisobutyl Ketone	G	X	X	G	X	X	X	E	F
Cresols	X	X	X	X	X	X	X	E	E	Diisodecyl Phthalate	E		X			X	X	E	F
Cresylic Acid	X	X	X	X	X	X	X	E	E	Diisooctyl Adipate	E		X			X	X	E	F
Crotonaldehyde	E		X			X	X	E	E	Diisooctyl Phthalate	E		X			X	X	E	F
Crude Oil	X	X	X	X	G	X	X	E	E	Dimethyl Carbinol									E
Cumene	X	X	X	X	X	X	X	E	E	Dimethyl Ketone									E
Cupric Carbonate	E		E			F	E	E	E	Dimethyl Phthalate	G	X	X	G	X	X	X	E	F
Cupric Nitrate	E		E			F	E	E	E	Dimethyl Sulfate									E
Cupric Sulfate	E		E			F	E	E	E	Dimethyl Sulfide									G
Cutting Oil	X	G	G	X	E	X	X			Dimethylamine									E
Cyclohexane	X	X	X	X	G	X	X	G	E	Dimethylaniline	C	C	X	G	C		C		
Cyclohexanol	X	G	X	X	C	X	X	E	E	Dimethylbenzene									E
Cyclohexanone	X	X	X	X	X	X	X	E	E	Dioctyl Adipate									E
Cyclopentane	X		X			X	X	E	E	Dioctyl Phthalate	E	X	X	C	C	X	X	E	F
Cyclopentanol	X		X			X	X	E	E	Dioxalane	C	X	X	G	X	X	X	E	F
Cyclopentanone	X		X			X	X	E	E	Dioxane	G	X	X	G	X	X	X		F
DDT In Kerosene	X	F	X	X	E	X	X	E	E	Dipentene	X	X	X	X	G	X	X		
Decalin	X	X	X	X	X	X	X	E	X	Dipropylamineolamine	E		G			G	G		F
Decyl Alcohol	E		E			E	E	E	E	Dipropylene Glycol	E		E			E	E		F
Decyl Aldehyde	E		X			X	X	E	E	Disodium Phosphate	E		E			E	E	E	F
Decyl Butyl Phthalate	E		X			X	X	E	E	Divinyl Benzene	X		X			X	X	E	F
Detergent, Water Solution	E	G	G	E	E	G	G			Dowtherm, A and E	X	X	X	X	X	X	X	E	F
Developing Fluid (Photo)	G	E	E	G	E	E	G			Dry Cleaning Fluids	X	X	X	X	C		X		
Dextron	X	G	X	X	E	X	X			Ducgkirieobaane	X								
Di-Iso-Butylene	X	X	X	X	G	X	X	E		Durd AW-16,31				X	E				
Di-Iso-Propanolamine	E									Duro FR-HD				X	E				
Di-Iso-Propyl Ether	F		X			X	X	E		Ethanol(Grain Alcohol)	E	E	E	E	C	E	E	E	E
Di-Iso-Propyl Ketone	G	X	X	E	X	X	X	E		Ethanolamine	E	G	C	E	G	G	G	C	F
Diacetone Alcohol	E	X	X	X	X	X	X	C	E	Ethers	X	X	X	C	X	X	X		

Rubber Hose Chemical Resistance Chart

Key to general chemical resistance chart all data based on 68°F (20°C)

E=Excellent; G=Good; F=Fair; C=Conditional; I=Insufficient Data; X=Not Recommended; Blank=No Data

Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE	Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE	
Ethyl Acetate	G	X	X	C	X	X	X	E	E	Glycols	E	E	E	E	E	E	E	E	G	
Ethyl Acetoacetate	G	X	X	G	X	X	X	E	E	Grease	X	X	X	X	E	X	X	G	E	
Ethyl Acrylate	G	X	X	G	X	X	X	G	E	Green Sulphate Liquor	E	G	E	E	G	E	E	E	E	
Ethyl Alcohol	E	E	E	E	C	E	E	E	E	Halon 1211		E			E					
Ethyl Aldehyde	E					F		E	E	Helium	E	E	E	E	E	E	E			
Ethyl Aluminium Dichloride	X		X			X	X	G	F	Heptanal	E		X			X	X	E	E	
Ethyl Benzene	X	X	X	X	X	X	X	E	E	Heptane	X	G	X	X	E	X	X	G	E	
Ethyl Bromide	X	X	X	X	G	X				Heptane Carboxylic Acid									E	
Ethyl Butyl Acetate	G		X			X	X	E	E	Hexaldehyde	G	E	C	E	X	X	X	E	E	
Ethyl Butyl Alcohol	E		E			E	E	E	E	Hexane	X	C	X	X	C	X	X	G	G	
Ethyl Cellulose	G	G	G	G	G	G	G	E		Hexanol	E		E			E	E	E	E	
Ethyl Chloride	F	X	X	X	X	X	X	G	G	Hexene	X	G	G	X	G	X	X	E	G	
Ethyl Dichloride	X		X			X	X	G	G	Hexyl Alcohol	C	G	C	C	E	E	E	E	E	
Ethyl Diisobutylthio-Cabarmate						E	E			Hexyl Methyl Ketone	G		X			X	X	E	E	
Ethyl Ether	C	X	X	X	C	X	X	E	E	Hexylamine	E		F			G	G	E		
Ethyl Formate	G	G	X	G	X	X	X	E	E	Hexylene Glycol	E		E			E	E		E	
Ethyl Iodide	X		X			X	X	G	F	Hydraulic & Motor Oil	X	C	G	X	E	X	X	E		
Ethyl Oxalate	X	X	X	X	X	X	X	E	E	Hydrazine	E	G	E	X	X	X				
Ethyl Phthalate									E	Hydrobromic Acid	E	X	E	E	X	E	X	C	G	
Ethyl Silicate	E	E	G	E	E	F	F	E	E	Hydrochloric Acid	F	X	X	X	X	E	X	E	E	
Ethyl-N-Butyl Ketone	G		X			X	X	E	E	Hydrocyanic Acid	E	E	C	C	C	X				
Ethyl-1-Butanol	E		E			E	E	E	E	Hydrofluoric Acid	E	X	E	X	X	X	X	C	E	
Ethylamine	G		F			F	F		E	Hydrofluosilicic Acid	E	C	E	E		X		G		
Ethylene Chlorohydrin	G	C	G	C	X	G	G	E	G	Hydrogen Dioxide (10%)	F					X	X	G		
Ethylene Diamine	E	E	F	E	E	G	G	E	E	Hydrogen Gas	E	E	G	E	E	G	G	E	E	
Ethylene Dibromide	X	X	X	C	X	X	X	G	F	Hydrogen Peroxide Over 10%	X	X	X	X	X	X	X	C	F	
Ethylene Dichloride	X	X	X	X	X	X	X	G	G	Hydrogen Peroxide 10%	F	F	F	F	X	X	X	C	G	
Ethylene G. Monoethyl E Acetate								E		Hydrogen Sulfide (Wet)	E	C	X	E	X	X	X	E	G	
Ethylene G. Monobutyl Ether									E	Hyvar VXL				E						
Ethylene G. Monoethyl Ether									E	Iodine	C	X	E	C	C	C	C	C	E	
Ethylene G. Monoethyl Ether									E	Iodine Pentafluoride	X	X	X	X	X	X	X			
Ethylene Glycol	E	E	E	E	E	E	E	C	E	Iodoform		X		X	E	X	X			
Ethylene Oxide	C	X	X	C	X	X	X		E	Iso-Butanal									E	
Fatty Acids	X	C	X	X	C	X	X	E	G	Iso-Butylamine									E	
Ferric Bromade	E		E			E	E	E	E	Iso-Butylbromide									G	
Ferric Chloride	E	G	E	E	E	E	E	E	E	Iso-Butylcarbinol									E	
Ferric Nitrate	E	E	E	E	E	E	E	E	E	Isocyanates									E	
Ferric Sulfate	E	E	E	E	E	E	E	E	E	Isooctane	X	C	X	X	E	X	X	E	G	
Ferrous Acetate	G		X			X	X	E	E	Isophopyl Acetate	G	X	X	X	X	X	X	E	E	
Ferrous Chloride	E	E	E	E	E	E	E	E	E	Isophopyl Alcohol	E	C	E	E	C	E	E	E	E	
Ferrous Sulfate	E	E	E	E	G	E	E	E	E	Isopropyl Ether	X	X	C	X	C	X	X	E	E	
Fluoboric Acid	E	C	E	E	C	E	G	C	G	Jet Fuels	X	G	X	X	E	X	X	E	E	
Fluorine	C	X		X	X	X	X	X	X	JP-4 Oil	X	X	X	X	G	X	X			
Fluosilicic Acid	E	C	E	E	C	E	C	C	G	Kerosene	X	C	X	X	E	X	X	E	E	
Formaldehyde	E	C	C	G	X	G	C	E	E	Ketones	E	X	X	E	C	X	X			
Formalin	E		E			G	G	E	E	Lacquer Solvents	X	X	X	X	X	X	X	G		
Formic Acid	E	C	F	E	X	G	G	C	E	Lactic Acid - Cold	E	E	G	X	X	G	G	C		
Freon SO2			E		E					Lactic Acid - Hot		X	C	X	X	X	X			
Freon 113			E	E	C	E	C	G		Lard	X	C	X	X	E	X	X	C		
Freon 12	X	G	X	X	G	X	X	C	E	Lavender Oil	X	X	X	X	G	X	X	G		
Freon 22	F	X	X		X	X	X	C	E	Lead Acetate	G	G	X	E	G	E	X	E	E	
Fuel A (ASTM)	X	G	X	X	E	X	X	G	G	Lead Nitrate	E	E	X	E	E	E	E			
Fuel B (ASTM)	X	F	X	X	E	X	X	G	G	Lead Sulfate		E	E	E				E	E	
Fuel Oil	X	G	C	X	E	X	X	C	E	Lime		C		G	X					
Furan	X	X	X	C	X	X	X			Lime Bleach	E	G	G	E	E	E	G			
Furfural	E	X	X	C	X	X	X	E	E	Lime Sulfur	E	E	E	E	X	X	X	E		
Furfuran		X	X	C	X	X	X			Linoleic Acid	X	X	X	X	G	X	X			
Furfuryl Alcohol	F	X	X	G	X	X	X	E	E	Linseed Oil	C	C	C	X	E	X	X	C	E	
Gallic Acid	G	X	C	G	C	E	C	C	E	Liquid Petroleum Gas (LPG)	X	G	X	X	E	X	X	E	X	
Gas, High Octane		X		X	G					Lubricating Oil	X	C	F	X	G	X	X	E	E	
Gasoline	X	X	X	X	E	X	X	E	G	Lye Solutions	E	G	E	E	G	G	G	G	G	
Glacial Acrylic Acid									E	MEK	G	X	X	E	X	X	X	E	G	
Gluconic Acid	F		G			X	X	E	E	Magnesium Acetate	G								E	E
Glucose	E	G	E	G	G	E	E	E	G	Magnesium Chloride	E	E	E	E	E	E	E	E	E	E
Glycerine	E	E	E	E	E	E	E	C	E	Magnesium Hydroxide	E		G			E	G	E	E	
Glycerol	E	E	E	E	E	E	E			Magnesium Hydroxide	E	G	G	E	G	E	G	E	E	

Rubber Hose Chemical Resistance Chart

Key to general chemical resistance chart all data based on 68°F (20°C)

E=Excellent; G=Good; F=Fair; C=Conditional; I=Insufficient Data; X=Not Recommended; Blank=No Data

Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE	Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE
Magnesium Sulfate & Sulphite	E	E	E	E	E	E	E	E	E	MIL-H-6083	X	E	G	X	E	X	X		
Maleic Acid	X	X	X	X	X	X	X	G	E	MIL-H-8446 (MLO-8515)	X	E		X	G	X	X		
Maleic Anhydride	X	X	X	X	X	X	X			MIL-J-5161	X	X	X	X	G	X	X		
Malic Acid	X	C	G	X	C	C	C	C	G	MIL-J-5624 (JP-3,JP-4,JP-5)	X	X	X	X	E	X	X		
MAPP		E		G	E		G			MIL-L-15016	X	G	G	X	E	X	X		
Mercury	E	E	E	E	E	E	E	E		MIL-L-17331	X	G	G	X	E	X	X		
Mercury Vapors	E	E	E	E	E	E	E			MIL-L-2104	X	G	C	X	E	X	X		
Mesityl Oxide	G	X	X	G	X	X	X	E	E	MIL-L-21260	X	G	G	X	E	X	X		
Methallyl Alcohol	E		E			E	E	E	E	MIL-L-23699	X	C	C	X	G	X	X		
Methane Carboxylic Acid		G		X						MIL-L-25681		G		E	G				
Methanol (Methyl Alcohol)	E	E	E	E	E	E	E	E	E	MIL-L-3150	X	G	G	X	E	X	X		
Methanol (Wood Alcohol)	E	E	E	E	E	E	E	E	E	MIL-L-4343	C	E	G	C	E	X	X		
Methyl Acetate	G	X	X	E	X	X	X	E	E	MIL-L-6082	X	G	G	X	E	X	X		
Methyl Acetoacetate	G	X	X	G	X	X	X	E	E	MIL-L-6085	X	X	X	X	G	X	X		
Methyl Acetone	G		X			F	X	E	E	MIL-L-7808	X	X	X	X	G	X	X		
Methyl Acetylene Propadiene		E		G	E		G			MIL-L-7870	X	G	X	X	E	X	X		
Methyl Allyl Chloride	F		X			X	X	G	E	MIL-L-9000	X	G	C	X	E	X	X		
Methyl Amyl Carbinol	E		E			E	E	E	E	MIL-L-9236	X	X	X	X	G	X	X		
Methyl Benzene	X		X			X	X	E	E	MIL-P-27402			G		E	G			
Methyl Bromide	X	X	X	X	C	X	X	G		MIL-R-25567 (RP-1)			X						
Methyl Butyl Alcohol									E	MIL-S-3136 Type 1 Fuel	X	G	C	X	E	X	X		
Methyl Butyl Ketone	G	X	X	E	X	X	X	E	E	MIL-S-3136 Type 2 Fuel	X	X	X	X	G	X	X		
Methyl Carbitol	F		X			X	X	E	E	MIL-S-3136 Type 3 Fuel	X	X	X	X	G	X	X		
Methyl Cellosolve	E	C	X	G	C	X	X		E	MIL-S-3136 Type 4 Oil, Lowswell	X	E	E	X	E	X	X		
Methyl Chloride	C	X	X	X	X	X	X	G	E	MIL-S-3136 Type 5 Oil, Medswell	X	G	G	X	E	X	X		
Methyl Ethyl Ketone	G	X	X	E	X	X	X	E	E	MIL-S-3136 Type 6 Oil, Hi Swell	X	X	X	X	E	X	X		
Methyl Hexanol	E		E			E	E	E	E	MIL-S-81087		E		E	E				
Methyl Methacrylate	X	X	X	C	X	X	X	G	G	Mineral Oil	X	C	F	X	E	X	X	E	
Methyl Normal Amyl Ketone	G		X			X	X	E	E	Mineral Spirits	X	F	X	X	E	X	X	E	E
Methyl Propyl Ether	G	X	X			X	X	E	E	Mobile HFA				X	E				
Methyl Salicylate	G	X	X	G	X	C	C			Molten Sulfur	G		F			X	X	X	
Methyl Tertiary Metyl Ether	G	X			X		X			Mono-Chloroacetic Acid	F		X			G	X	E	E
Methyl-2-Butanol	E		E			E	E	E		Monobutyl Ether	F		X			X	X	E	
Methyl-2-Butanone	G	X	X			X	X	E		Monochlorobenzene	X	X	X	X	X	X	X	G	G
Methyl-2-Hexanone	G		X			X	X	E		Monochlorodifluoromethane	F		X			X	X	C	I
Methylallyl Acetate	G		X			X	X	E		Monoethanol Amine	E	X	X	E	X	E	X	E	E
Methylamyl Alcohol	E		E			E	E	E	E	Monoethyl Amine	G		F			F	F	C	E
Methylcyclohexane	X		X			X	X	G	E	Morpholine				X	X				
Methylene Bromide									G	MTBE	G	X			X		X		F
Methylene Chloride	X	X	X	X	X	X	X	G	G	Muriatic Acid	F	X	X	F	X	E	X	E	E
Methylethyl Ketone	G	X	X	E	X	X	X	E		N-Butylamine	X	X	X	X	C	X	X		
Methylexyl Ketone	G		X			X	X	E		N-Butylbenzene	X		X			X	X	E	
Methylisobutyl Carbinol	E	G	C	E	G	G	G	C	E	N-Butylbromide	X		X			X	X	G	
Methylisobutyl Ketone	C	X	X	C	X	X	X	E	E	N-Butylbutyrate	F		X			X	X	G	
Methylisopropyl Ketone	G	X	X	X	X	X	X	E	E	N-Octane	X	G	X	X	G	X	X	G	
Methylpropyl Carbinol	E		G			G	G	E	E	N-Serv (75% Xylene)									C
Methylpropyl Ketone	G		X			X	X	E	E	NA-K				X	X				
MIL-A-6091	E	E	E	E	G	E	E			Naphtha	X	X		X	C	X	X	E	E
MIL-C-4339	X	X	X	X	E	X	X			Naphthalene	F	X	X	X	X	X	X	E	E
MIL-C-7024	X	X	X	X	E	X	X			Naphthenic Acid		X	X	X	G	X	X		
MIL-E-9500	E	E	E	E	E	E	E			Natural Gas	X	E	F	X	E	X	X	C	
MIL-F-16884	X	C	C	X	E	X	X			Neohexane	X		X			X	X	E	E
MIL-F-17111	X	G	X	X	E	X	X			Neon Gas	E	E	E	E	E	E	E		
MIL-F-25558 (RJ-1)		G		X	E					Neu-Tri	X		X			X	X	E	E
MIL-G-10924	X	X	G	X	E	X	X			Nickel Acetate	E	G	X	E	G	E	X	E	
MIL-G-25013	X	G	G	X	E	X	X			Nickel Chloride	E	G	E	E	E	E	E	E	E
MIL-G-25537		G		X	E					Nickel Nitrate	E	E	E	E	E	E	E	E	E
MIL-G-3545	X	G	C	X	E	X	X			Nickel Sulfate	E	E	E	E	E	E	E	E	E
MIL-G-5572	X	X	X	X	E	X	X			Nietylene						E			
MIL-G-7711	X	X	X	X	E	X	X			Nitric Acid, Conc (16N)	C	X	G	X	X	X	X	G	
MIL-H-05606 (HFA)		G		X	E					Nitric Acid, Red Fuming	G	X	X	X	X	X	X	X	X
MIL-H-13910	G	E	G	E	E	G	E			Njtric Acid,10%	G	X	X	C	X	X	X	C	E
MIL-H-19457	E	X	X	E	X	X	X			Nitric Acid, 20%	G	X	X	G	X	X	X	E	E
MIL-H-22251	E	G	G	E	G		G			Nitric Acid, 30%	F	X	X	C	X	X	X	E	G
MIL-H-27601		G		X	E					Nitric Acid, 30% - 70%	X	X	F	F	X	X	X	G	F
MIL-H-5606 (J43)		G		X	E					Nitrobenzene	F	X	X	X	X	X	X	E	E

Rubber Hose Chemical Resistance Chart

Key to general chemical resistance chart all data based on 68°F (20°C)

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Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE	Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE
Nitroethane	G	C	G	G	X	G	G	E		Potassium Silicate	E		E			E	E	E	E
Nitrogen	E	E	E	E	E	E	E	E	E	Potassium Sulfate	E	E	E	E	E	E	E	E	E
Nitromethane	G	C	C	G	X	G	C	E		Potassium Sulfide									E
Nitrous Oxide Gas									E	Potassium Sulfite	E	E	E	E		E	E	E	E
Nuto H				X	E					Prestone Antifreeze		E	E	E					
Nyvac Light				E	X					Producer Gas	X	G	G	X	E	X	E		
Octanol	F		G			G	G	E	E	Propane	X	C	G	X	E	X	X	E	
Octyl Acetate	G		X			X	X	E	E	Propanediol	E		E			E	E		E
Octyl Alcohol	E	G	E	C	G	E	E	E	E	Propanetriol									
Octyl Aldehyde	E		X			X	X	E	E	Propanol	E		E			E	E	E	E
Octyl Amine	E		F			G	G	C	E	Propanolamine									E
Octyl Carbinol	E		E			E	E	E	E	Propionic Acid				E	X			E	
Octylene Glycol	E		E			E	E	C	E	Priopionitrile		G		X	E				
Oil-Petroleum	X	G	F	X	E	X	X	E	G	Propyl Acetate	G	X	X	G	X	X	X	E	E
Oleic Acid	G	X	X	X	C	X	X	E	E	Propyl Alcohol	E	E	E	E	E	E	E	E	E
Oleum (Fuming Sulfuric Acid)	X	X	X	X	C	X	X	X	X	Propyl Aldehyde	E					F		E	E
Olive Oil	E	E	F	E	E	X	X	C		Propyl Benzene									E
Ortho-Dichlorobenzene	X	X	X	X	X	X	X	G	E	Propyl Chloride	F		X			X	X	G	G
Ortho-Dichlorobenzol	X		X			X	X	G	E	Propyl Nitrate	G	X	X	G	X	X	X		
Orthoxylene	X		X			X	X	E	G	Propylene	X	X	X	X	X	X	X		
Oxalic Acid	E	X	X	E	X	X	X	C	E	Propylene Diamine	E		F			G	G		E
Ozone	G	C	G	E	X	X	X	C	E	Propylene Glycol	E		E			E	E		E
P-Cymene	X	X	X	X	X	X	X	E		Pydraul, 'E' Series		X	X	E	X	X	X	E	
Paint Thinner	X	X	X	X	X	X	X			Pydraulic 'C'		X		X	X				
Palmitic Acid	E	C	C	C	E	X	X	C	E	Quintolubric 822 Series	X	X		X	G	X			
Papermakers Alum	E	E	E	E	E	E	E	E	E	Red Oil	X	G	G	X	E	X	X		
Para-Dichlorobenzene	X	X	X	X	X	X	X	G		Refrigerant 11		X		X	G				
Paraffin Wax	X	G	X	X	E	X	X	X	E	Refrigerant 12		G		X	E				
Paraldehyde	E					F		E	E	Refrigerant 22		G		X	X				
Paraxylene	X		X			X	X	E	E	Resorcinol									
Pelargonic Alcohol	E		X			X	X	E		SAE No. 10 Oil		C	X		G				
Pentachloroethane	X		X			X	X	E	E	Sal Ammoniac	E	E	E	E	E	E	E		
Pentane	X	G	F	X	E	X	X	G	G	Sea Water	E	G	E	E	E	E	E	E	E
Pentanol									E	Sewage	F	E	E	F	E	F	F	E	E
Pentanone	G		X			X	X	E	E	Silicate Esters	X	E	E	X	G	X	X		
Pentanol	E	E	E			E	E	E		Silicate Of Soda	E		E			E	E	E	E
Perchloric Acid - 2N	G	C	G	C	X	X	X	E		Silicone Grease	E	E	E	E	E	E	E		
Perchloroethylene	X	X	X	X	X	X	X	G	G	Silicone Oil	E	E	E	E	E	E	E		
Petroleum Crude	X	G	X	X	E	X	X	E	E	Silver Nitrate	E	E	E	E	G	E	E	E	
Petroleum Ether	X		X	X	G	X	X	E	E	Skydrol 500 Type 2		X	X	E	X				
Petroleum Oils	X	G	X	X	X	X	X	E	E	Skydrol 500B	G	X	X	E					
Phenol	E	X	X	X	X	X	X	E	E	Skydrol 500C	G	X	X						
Phenolsulfonic Acid	F		X			X	X	G	F	Skydrol 7000 Type 2		X		E	X				
Phenylamine									G	Soap Solutions	E	G	E	E	E	G	E	E	E
Phenylchloride	X		X			X	X	E	E	Soda Ash	E	E	E	E	E	E	E	E	E
Phosphate Esters				E	X					Soda Lime	E		G			E	G	E	E
Phosphoric Acid 10%	E	X	E	X	X	E	E	E	E	Soda Niter	E		E			E	E	E	E
Phosphoric Acid 10%-85%	G	X	E	X	X	G	X	E	E	Sodium Acetate	G	G	X	E	G	X	X	E	E
Phosphorus Trichloride	E	X	X	E	X	X	X			Sodium Aluminate	E		E			E	E	E	E
Piric Acid, H2O Solution		C	G	X	X	G	G			Sodium Bicarbonate	E	E	E	E	E	E	E		
Pine Oil	X	X	X	X	X	X	X	E	E	Sodium Bisulfate	F	E	E	E	E	F	F	E	E
Pinene	X	F	X	X	G	X	X	E	E	Sodium Bisulfite	E	E	E	E	E	E	E	C	E
Polyethylene Glycol E-400	E		E			E	E		E	Sodium Borate	E	E	E	E	E	E	E	E	E
Polyol Ester	X	X		X	G	X				Sodium Carbonate	E	E	E	E	E	E	E	E	E
Polypropylene Glycol	E		E			E	E		E	Sodium Chloride	E	E	E	E	E	E	E	E	E
Potassium Acetate	G	G	X	E	G	X	X	E	E	Sodium Cyanide	E	E	E	E	E	E	E		
Potassium Bisulfate	E		E			E	E	E	E	Sodium Dichromate	E	C	F	E	C	C	C	G	E
Potassium Bisulfite	E		E			E	E		E	Sodium Hydrate	E		G			E	G	E	E
Potassium Carbonate	E	E	E	E		E	E	E	E	Sodium Hydrochlorite	G	X	F	G	X	X	X	G	E
Potassium Chloride	E	E	E	E	E	E	E	E	E	Sodium Hydroxide (Caustic Soda)	E	G	G	E	X	E	G	E	E
Potassium Chromate	E		F						G	Sodium Hypochlorite	G	X	F	G	G	X	X	G	G
Potassium Cyanide	E	E	E	E	E	E	E		E	Sodium Metaphosphate	E	G	F	G	E	E	E		
Potassium Dichromate	E	E	F	E	E	G	G	G	G	Sodium Nitrate	E	G	E	E	G	E	E	E	E
Potassium Hydrate	E		G			E	G	E	E	Sodium Perborate	E	G	G	E	G	G	G	E	
Potassium Hydroxyde	E	C	G	E	X	E	G	E	G	Sodium Peroxide	E	G	G	E	G	G	G	E	
Potassium Nitrate	E	E	E	E	E	E	E	E	E	Sodium Phosphate	E	G	E	E	E	E	E	E	E

Rubber Hose Chemical Resistance Chart

Key to general chemical resistance chart all data based on 68°F (20°C)

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Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE	Chemical/Material Conveyed	Butyl	Neoprene	Hypalon	EPDM	Buna-N	Natural	SBR	XLPE	UHMWPE
Sodium Silicate	E	E	E	E	E	E	E	E	E	Triethylene Glycol	E		E			E	E		E
Sodium Sulfate	E	E	E	E	E	E	E	E	E	Trimethylamine									E
Sodium Sulfide	E	E	E	E	E	E	E	E	E	Trisodium Phosphate	E	E	E	E	E	E	E	E	E
Sodium Sulfite	E	E	E	E	E	E	E	E	E	Tung Oil		G							
Sodium Thiosulfate	E	E	E	E	G	E	E	E	E	Tungoil (China Oil)	C	G	C	X	E	X	X	E	
Soybean Oil	E	G	G	C	E	X	X	E	G	Turpentine	X	X	X	X	X	X	X	X	G
Stannic Chloride	E	X	E	E	E	E	E	E	E	UDMH		G	E	E	G	E	E		
Stannic Sulfide	E		E			E	E	E	E	Urea	E	E						E	E
Stannous Chloride	E	E	E	E	E	E	E	E	E	Urethane Formulations					E				
Stannous Sulfide	E		E			E	E	E	E	Varnish	X	X	X	X	G	X	X		
Steam, Below 350 Deg F	G	X	X	E	X	X	X	X		Vegetable Oils	E	C	X	C	E	X	X	E	
Stearic Acid	G	G	X	G	G	X	X	E	E	Versilube F44					E				
Stoddard Solvent	X	G	X	X	E	X	X	E	E	Versilube F55				X	E				
Styrene	X	X	X	X	X	X	X	G	G	Vinegar		F	F	E	X	E	F	X	
Sulfamic Acid	E	G	G	E	G	G	C	C	F	Vinyl Acetate	G		X			X	X	E	E
Sulfur	F	X	F	F	X	X	X	X		Vinyl Benzene	X		X			X	X	G	E
Sulfur Chloride	X	C	G	X	C	X	X	E		Vinyl Chloride	X	X	X	X	X	X	X	E	E
Sulfur Dioxide	G	X	G	G	X	C	C	C	G	Vinyl Ether	G		X			X	X	E	E
Sulfur Trioxide, Dry	G	X	X	G	X	G	G	G		Vinyl Toluene	X		X			X	X	E	E
Sulfuric Acid 60% (200F)									G	Vinyl Trichloride	X		X			X	X	E	E
Sulfuric Acid, Conc.	X	X	E	X	X	X	X	E	X	Vital, 4300, 5310				X	X				
Sulfuric Acid, Fuming	X	X	X	X	X	X	X	X	X	VM & Naphtha	X	F	X	X	E	X	X	X	E
Sulfuric Acid, 25%	E	X	X	E	X	G	X	E	E	Water	E	G	E	E	E	E	F	E	E
Sulfuric Acid, 25%-50%	E	X	X	E	X	G	X	E	G	Water, Boiling		E		E					
Sulfuric Acid, 50%-96%	X	X	G	X	X	X	X	E	G	Wemco C	X	G	X	X	E	X	X		
Sulfurous Acid, 10%	E	X	E	G	X	E	G	E	E	Whiskey	E	E	E	E	E	E	E	X	
Sulfurous Acid, 10%-85%	E	X	E	G	X	E	X	E	E	White Oil	X	E	X	X	E	X	X	X	E
Sutan								E		White Pine Oil	X	X	X	X	G	X	X		
T-Butyl Amine			X	G					E	Wines	E	E	E	E	E	E	E	X	
Tall Oil	X	G	X	X	E	X	X	C	E	Wood Alcohol	E	E	E	E	E	E	E	E	E
Tallow	X	G	X	X	E	X	X	C	E	Wood Oil	X	G	C	X	E	X	X	E	
Tannic Acid	E	G	E	E	E	E	F	C	E	Xenon	E	E	E	E	E	E	E		
Tar	X	G	X	X	X	X	X	X	X	Xylene, Xylon	X	X	X	X	X	X	X	G	G
Tar Bituminous	X	C	X	X	G	X	X			Xylidine	X	C	X	G	C	C	C	G	G
Tartaric Acid	E	G	E	G	E	C	X	C	E	Zeolites	E	E	E	E	E	E	E		
Telone 2								E		Zinc Acetate	E	E	E	E	E	E	X		
Tertiary Butyl Alcohol	E	G	E	G	G	E	E	E	E	Zinc Carbonate	E	E				E	E	E	E
Terpinol	C	X	X	C	G	X	X	G		Zinc Chloride	E	E	E	E	E	E	E	E	E
Tertiary Butyl Amine			X	G						Zinc Chromate	E		F					G	E
Tertiary Butyl Mercaptan	X	X	X	X	X	X	X			Zinc Sulfate	E	E	E	E	E	E	E	E	E
Test Entry	G	E					X			1 Undecanol	E	E				E	E	E	G
Tetrachlorobenzene	X		X			X	X	G	G	1-Decanol	E	E				E	E	E	E
Tetrachloroethane	X		X			X	X	E	G	1,4-Dioxane	G	X	X	E		X	X	E	
Tetrachloroethylene	X	X	X	X	X	X	X	E	E	2-Aminoethanol	E		G			G	G		
Tetrachloromethane	X		X			X	X	E	E	2-Chlorophenol	X	X	X	X	X	X	X	G	E
Tetrachloronaphthalene	X		X			X	X	G	G	2-Chloropropane		X	X	X		X	X	E	E
Tetraethylene Glycol	E		E			E	E		E	2-Ethyl (Butyraldehyde)	E		X			X	X	E	E
Tetrahydrofuran	X	X	X	X	X	X	X	C	G	2-Ethyl-1-Hexanol	E	E	E	E	E	E	E	E	E
THF								C	I	2-Ethylhexanoic Acid									E
Tin Chloride	E		E			E	E	E	E	2-Ethylhexyl Acetate									E
Titanium Tetrachloride	X	X	X	X	G	X	X		G	3-Coal Oil									E
Toluene	E	X	X	X	X	X	X	G	E										
Toluidine									F										
Toluol									E										
Transformer Oil	X	G	C	X	E	X	X		F										
Transmission 'A' Oil	X	G	X	X	E	X	X	F	G										
Tri(2-Hydroxyethyl) Amine									E										
Tributyl Phosphate	E	X	X	G	X	X	X	E	E										
Tributylamine	E	G	F			G	G		E										
Trichloroacetic Acid	G	X	X	G	G	C	G	E											
Trichlorobenzene	X		X			X	X	G	G										
Trichloroethane	X	X	X	X	X	X	X	G	E										
Trichloroethylene	X	X	X	X	X	X	X	G	F										
Tricresyl Phosphate	E	X	X	X	X	X	X	E	E										
Triethanolamine	E	G	G	G	C	E	X	E	E										
Triethylamine	E		F			G	G		E										