

Chemical Resistance of Garlock Compressed Sheet & GYLON®

A general guide for selection of gasketing material, Rev. July 2015

- Key:**
- A = Suitable**
 - B = Depends on operating conditions**
 - C = Unsuitable**
 - = No data or insufficient evidence**

Footnotes explained on last page.

If fire resistant gaskets are required please consult Fire Tests under Gasket Terms, or contact Applications Engineering.

Medium	Garlock Style Numbers												
	GYLON®							Compressed Non-Asbestos					
	3500	3504 3565	3510	3560	3561	3535 3540 3545	3530	9900 9850 5500	9800	2900 2950 3000	2920 3200 3400	2930 3300	5507 3700
Abietic Acid	A	A	A	A	A	A	A	A	-	A	-	-	-
Acetaldehyde	A	A	A	A	A	A	A	C	C	C	C	C	B
Acetamide	A	A	A	A	A	A	A	A	C	A	C	A	B
Acetic Acid (Crude, Glacial, Pure)	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	B ¹	B ¹	B ¹	B ¹	B ¹
Acetic Anhydride	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	B ¹	B ¹	B ¹	B ¹	B ¹
Acetone	A	A	A	A	A	A	A	C	B	C	B	B	A
Acetonitrile	A	A	A	A	A	A	A	C	-	C	-	B	B
Acetophenone	A	A	A	A	A	A	A	C	C	C	C	C	B
2-Acetylaminofluorene	A	A	A	A	A	A	A	C	C	C	C	C	C
Acetylene	A	A	A	A	A	A	A	A	B	A	B	A	B
Acrolein	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	C	B ¹	C	B ¹	B ¹
Acrylamide	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C
Acrylic Acid	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	B ¹
Acrylic Anhydride	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	-	-	-	-	-	-
Acrylonitrile	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C
Air, 150°F and below	A	A	A	A	A	A	A	A	A	A	A	A	A
Allyl Acetate	A	A	A	A	A	A	A	C	C	C	C	C	B
Allyl Chloride	A	A	A	B	B	A	A	C	C	C	C	C	B
Allyl Methacrylate	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C
Aluminum Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A
Aluminum Fluoride	C	-	A	C	C	A	A	C	C	C	C	C	C
Aluminum Hydroxide (Solid)	A	A	A	A	A	A	A	A	A	A	A	A	A
Aluminum Nitrate	A	A	A	A	A	A	-	B	B	B	B	B	B
Aluminum Sulfate	A	A	A	B	B	A	A	A	A	A	A	A	A
Alums	A	A	A	B	B	A	A	A	A	A	A	A	A
4-Aminodiphenyl	A	A	A	A	A	A	A	C	C	C	C	C	C
Ammonia, Gas, 150°F and below	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonia Gas, Above 150°F	A	A	A	A	A	A	A	C	C	C	C	B	B
Ammonia Liquid, Anhydrous	A	A	A	A	A	A	A	B	-	B	-	A	A
Ammonium Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A
Ammonium Hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium Nitrate	A	A	A	A	A	A	-	B	B	B	B	B	B
Ammonium Phosphate, Monobasic	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium Phosphate, Dibasic	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium Phosphate, Tribasic	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium Sulfate	A	A	A	B	B	A	A	A	A	A	A	A	A
Amyl Acetate	A	A	A	A	A	A	A	C	C	C	C	C	B
Amyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A
Aniline, Aniline Oil	A	A	A	A	A	A	A	C	C	C	C	C	B

Call Gasket Applications Engineering at 315-597-7350 for specific recommendations.

WARNING:

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	3500	3504 3565	3510	3560	3561	3535 3540 3545	3530	9900 9850 5500	9800	2900 2950 3000	2920 3200 3400	2930 3300	5507 3700	
Aniline Dyes	A	A	A	A	A	A	A	C	B	C	B	B	B	
o-Anisidine	A	A	A	A	A	A	A	C	C	C	C	C	C	
Aqua Regia	A	A	A	B	B	A	C	C	C	C	C	C	C	
Aroclocs	A	A	A	A	A	A	A	C	C	C	C	C	C	
Asphalt	A	A	A	A	A	A	A	A	C	A	C	B	C	
Aviation Gasoline	A	A	A	A	A	A	A	B	C	B	C	B	C	
Barium Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	
Barium Hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A	
Barium Sulfide	A	A	A	A	A	A	A	A	A	A	A	A	A	
Baygon	A	A	A	A	A	A	A	C	C	C	C	-	-	
Beer ¹⁰	A	A	A	A	A	A	A	A	A	A	A	A	A	
Benzaldehyde	A	A	A	A	A	A	A	C	C	C	C	C	B	
Benzene, Benzol	A	A	A	A	A	A	A	C	C	C	C	C	C	
Benzidine	A	A	A	A	A	A	A	C	C	C	C	C	-	
Benzoic Acid	A	A	A	A	A	A	A	B	B	B	B	B	B	
Benzonitrile	A	A	A	A	A	A	A	C	-	C	-	-	C	
Benzotrithloride	A	A	A	C	C	A	A	C	C	C	C	C	C	
Benzoyl Chloride	A	A	A	-	-	A	A	C	-	C	-	C	C	
Benzyl Alcohol	A	A	A	A	A	A	A	C	-	C	-	B	B	
Benzyl Chloride	A	A	A	-	-	A	A	C	C	C	C	C	B	
Bio-diesel (B100)	A	A	A	A	A	A	A	A	A	A	A	-	-	
Biphenyl	A	A	A	B	B	A	A	C	C	C	C	C	C	
Bis(2-chloroethyl)ether	A	A	A	-	-	A	A	C	C	C	C	C	C	
Bis(chloromethyl)ether	A	A	A	-	-	A	A	C	C	C	C	C	B	
Bis(2-ethylhexyl)phthalate	A	A	A	A	A	A	A	C	C	C	C	C	B	
Bitumen	A	A	A	A	A	A	A	A	C	A	C	B	C	
Black Sulfate Liquor	C	B	A	C	A	A	A	C	C	C	C	C	C	
Blast Furnace Gas	A	A	A	A	A	A	A	B	C	B	C	B	C	
Bleach (Sodium Hypochlorite)	A	A	A	B	B	A	-	C	-	C	-	C	C	
Boiler Feed Water	A	A	A	A	A	A	A	A	A	A	A	A	A	
Borax	A	A	A	A	A	A	A	A	A	A	A	A	A	
Boric Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	
Brine (Sodium Chloride)	A	A	A	B	B	A	A	A	A	A	A	A	A	
Bromine	A	A	A	C	C	A	-	C	C	C	C	C	C	
Bromine Trifluoride	C	C	C	C	C	C	C	C	C	C	C	C	C	
Bromoform	A	A	A	A	A	A	A	C	C	C	C	C	C	
Bromomethane	A	A	A	A	A	A	A	C	C	C	C	C	C	
Butadiene	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	-	C	
Butane	A	A	A	A	A	A	A	A	C	A	C	B	C	
2-Butanone	A	A	A	A	A	A	A	C	C	C	C	C	C	
Butyl Acetate	A	A	A	A	A	A	A	C	C	C	C	C	B	
Butyl Alcohol, Butanol	A	A	A	A	A	A	A	A	A	A	A	A	A	
n-Butyl Amine	A	A	A	A	A	A	A	B	-	B	-	C	B	
tert-Butyl Amine	A	A	A	A	A	A	A	B	-	B	-	C	B	
Butyl Methacrylate	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
Butyric Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	
Calcium Bisulfite	A	A	A	A	A	A	A	B	-	B	-	B	C	
Calcium Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	
Calcium Cyanamide	A	A	A	A	A	A	A	B	B	B	B	B	B	
Calcium Hydroxide	-	A	A	-	A	A	A	A	A	A	A	A	A	

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Calcium Hypochlorite	A	A	A	B	B	A	–	B	B	C	C	C	C ²
Calcium Nitrate	A	A	A	–	–	A	C	–	–	–	–	–	–
Calflo AF	A	A	A	A	A	A	A	A	C	A	C	–	C
Calflo FG	A	A	A	A	A	A	A	A	C	A	C	–	C
Calflo HTF	A	A	A	A	A	A	A	A	C	A	C	–	C
Calflo LT	A	A	A	A	A	A	A	A	C	A	C	–	C
Cane Sugar Liquors	A	A	A	A	A	A	A	A	A	A	A	A	A
Caprolactam	A	A	A	A	A	A	A	C	C	C	C	C	B
Captan	A	A	A	A	A	A	A	C	C	C	C	C	C
Carbaryl	A	A	A	A	A	A	A	C	C	C	C	C	C
Carbolic Acid, Phenol	A	A	A	A	A	A	A	C	C	C	C	C	B
Carbon Dioxide, Dry	A	A	A	A	A	A	A	A	A	A	A	A	A
Carbon Dioxide, Wet	A	A	A	A	A	A	A	A	A	A	A	A	A
Carbon Disulfide	A	A	A	A	A	A	A	C	C	C	C	C	C
Carbon Monoxide	A	A	A	A	A	A	A	B	B	B	B	B	B
Carbon Tetrachloride	A	A	A	B	B	A	A	C	C	C	C	C	C
Carbonic Acid	A	A	A	A	A	A	A	A	A	A	A	A	A
Carbonyl Sulfide	A	A	A	–	–	A	A	C	C	C	C	C	C
Castor Oil	A	A	A	A	A	A	A	A	C	A	C	B	B
Catechol	A	A	A	A	A	A	A	C	B	C	B	–	–
Caustic Soda	C	B	A ⁶	C	A ⁶	A ¹¹	A ⁶	C	C	C	C	C	C
Cetane (Hexadecane)	A	A	A	A	A	A	A	A	C	A	C	B	C
China Wood Oil	A	A	A	A	A	A	A	A	C	A	C	B	C
Chloramben	A	A	A	–	–	A	A	C	C	C	C	C	C
Chlorazotic Acid (Aqua Regia)	A	A	A	B	B	A	C	C	C	C	C	C	C
Chlordane	A	A	A	–	–	A	A	C	C	C	C	C	C
Chlorinated Solvents, Dry	A	A	A	A	A	A	A	C	C	C	C	C	C
Chlorinated Solvents, Wet	A	A	A	C	C	A	A	C	C	C	C	C	C
Chlorine, Dry	A	A	A	A	A	A	A	–	–	–	–	–	–
Chlorine, Wet	A	A	A	C	C	A	A	C	C	C	C	C	C
Chlorine Dioxide	A	A	A	–	–	A	C	C	C	C	C	C	C
Chlorine Trifluoride	C	C	C	C	C	C	C	C	C	C	C	C	C
Chloroacetic Acid	A	A	A	C	C	A	A	C	B	C	B	C	B
2-Chloroacetophenone	A	A	A	B	B	A	A	C	C	C	C	C	C
Chloroazotic Acid (Aqua Regia)	A	A	A	B	B	A	C	C	C	C	C	C	C
Chlorobenzene	A	A	A	A	A	A	A	C	C	C	C	C	C
Chlorobenzilate	A	A	A	–	–	A	A	C	C	C	C	C	C
Chloroethane	A	A	A	A	A	A	A	C	C	C	C	C	C
Chloroethylene	A	A	A	A	A	A	A	C	C	C	C	C	C
Chloroform	A	A	A	A	A	A	A	C	C	C	C	C	C
Chloromethyl Methyl Ether	A	A	A	–	–	A	A	C	C	C	C	C	C
Chloronitrous Acid (Aqua Regia)	A	A	A	B	B	A	C	C	C	C	C	C	C
Chloroprene	A	A	A	B	B	A	A	C	C	C	C	C	C
Chlorosulfonic Acid	A	A	A	–	–	A	–	C	C	C	C	C	C
Chrome Plating Solutions	– ⁵	– ⁵	A	– ⁵	B	A	A	C	C	C	C	C	C
Chromic Acid	A	A	A	B	B	A	C	C	C	C	C	C	C
Chromic Anhydride	A	A	A	B	B	A	C	C	C	C	C	C	C
Chromium Trioxide	A	A	A	B	B	A	C	C	C	C	C	C	C
Citric Acid	A	A	A	A	A	A	A	A	A	A	A	A	A
Coke Oven Gas	A	A	A	A	A	A	A	B	C	B	C	B	C

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Copper Chloride	A	A	A	C	C	A	A	A	A	A	A	A	A	
Copper Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Corn Oil ¹⁰	A	A	A	A	A	A	A	A	C	A	C	B	B	
Cotton Seed Oil ¹⁰	A	A	A	A	A	A	A	A	C	A	C	B	B	
Creosote	A	A	A	A	A	A	A	B	C	B	C	B	C	
Cresols, Cresylic Acid	A	A	A	A	A	A	A	C	C	C	C	C	C	
Crotonic Acid	A	A	A	-	-	A	A	C	C	C	C	C	C	
Crude Oil	A	A	A	B	B	A	A	A	B	A	B	B	C	
Crude oil, sour	A	A	A	B	B	A	A	B	C	B	C	B	C	
Cumene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Cyclohexane	A	A	A	A	A	A	A	A	C	A	C	B	C	
Cyclohexanone	A	A	A	A	A	A	A	C	C	C	C	C	B	
2,4-D, Salts and Esters	A	A	A	-	-	A	A	C	C	C	C	C	C	
Detergent Solutions	B ¹³	B ¹³	A	A	A	A	A	B ¹³	B ¹³	B ¹³	B ¹³	B ¹³	B ¹³	
Diazomethane	A	A	A	A	A	A	A	-	-	-	-	-	-	
Dibenzofuran	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dibenzylether	A	A	A	A	A	A	A	C	C	C	C	C	C	
1,2-Dibromo-3-chloropropane	A	A	A	B	B	A	A	C	C	C	C	C	C	
Dibromoethane	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dibutyl Phthalate	A	A	A	A	A	A	A	C	C	C	C	C	B	
Dibutyl Sebacate	A	A	A	A	A	A	A	C	C	C	C	C	B	
o-Dichlorobenzene	A	A	A	A	A	A	A	C	C	C	C	C	C	
1,4-Dichlorobenzene	A	A	A	A	A	A	A	C	C	C	C	C	C	
3,3-Dichlorobenzidene	A	A	A	-	-	A	A	C	C	C	C	C	C	
Dichloroethane (1,1 or 1,2)	A	A	A	A	A	A	A	C	C	C	C	C	C	
1,1-Dichloroethylene	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
Dichloroethyl Ether	A	A	A	-	-	A	A	C	C	C	C	C	C	
Dichloromethane	A	A	A	A	A	A	A	C	C	C	C	C	C	
1,2-Dichloropropane	A	A	A	A	A	A	A	C	C	C	C	C	C	
1,3-Dichloropropene	A	A	A	B	B	A	A	C	C	C	C	C	C	
Dichlorvos	A	A	A	B	B	A	A	C	C	C	C	C	C	
Diesel Oil/Fuel	A	A	A	A	A	A	A	A	B	A	B	B	C	
Diethanolamine	A	A	A	A	A	A	A	B	B	B	B	B	B	
N,N-Diethylaniline	A	A	A	-	-	A	A	C	C	C	C	C	C	
Diethyl Carbonate	A	A	A	-	-	A	A	C	-	C	-	C	-	
Diethyl Sulfate	A	A	A	A	A	A	A	C	C	C	C	-	C	
3,3-Dimethoxybenzidene	A	A	A	A	A	A	A	C	C	C	C	-	-	
Dimethylamine	A	A	A	A	A	A	A	B	B	B	B	-	B	
Dimethylaminoazobenzene	A	A	A	A	A	A	A	-	-	-	-	-	-	
N,N-Dimethyl Aniline	A	A	A	-	-	A	A	C	C	C	C	C	C	
3,3-Dimethylbenzidine	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dimethyl Carbamoyl Chloride	A	A	A	C	C	A	A	C	C	C	C	C	C	
Dimethyl Ether	A	A	A	A	A	A	A	B	C	B	C	B	B	
Dimethylformamide	A	A	A	-	-	A	A	C	C	C	C	C	C	
Dimethyl Hydrazine, Unsymmetrical	A	A	A	A	A	A	A	C	B	C	B	B	B	
Dimethyl Phthalate	A	A	A	A	A	A	A	C	C	C	C	C	B	
Dimethyl Sulfate	A	A	A	A	A	A	A	C	C	C	C	-	C	
4,6-Dinitro-o-Cresol and Salts	A	A	A	A	A	A	A	C	C	C	C	C	C	
2,4-Dinitrophenol	A	A	A	-	-	A	A	C	C	C	C	C	C	
2,4-Dinitrotoluene	A	A	A	A	A	A	A	C	C	C	C	C	C	

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Dioxane	A	A	A	A	A	A	A	C	C	C	C	C	B	
1,2-Diphenylhydrazine	A	A	A	A	A	A	A	C	B	C	B	-	-	
Diphyl DT	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dowfrost	A	A	A	A	A	A	A	B	B	B	B	-	B	
Dowfrost HD	A	A	A	A	A	A	A	B	B	B	B	-	B	
Dowtherm 4000	A	A	A	A	A	A	A	B	B	B	B	B	B	
Dowtherm A	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dowtherm E	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dowtherm G	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dowtherm HT	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dowtherm J	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dowtherm Q	A	A	A	A	A	A	A	C	C	C	C	C	C	
Dowtherm SR-1	A	A	A	A	A	A	A	A	A	A	A	A	A	
Epichlorohydrin	A	A	A	A	A	A	A	C	C	C	C	C	B	
E85 (85% Ethanol, 15% Gas)	A	A	A	A	A	A	A	A	A	A	A	-	-	
1,2-Epoxybutane	A	A	A	A	A	A	A	-	C	-	C	C	C	
Ethane	A	A	A	A	A	A	A	A	B	A	B	B	C	
Ethanol, Ethyl Alcohol ¹⁰	A	A	A	A	A	A	A	A	A	A	A	A	A	
Ethers	A	A	A	A	A	A	A	B	C	B	C	B	B	
Ethyl Acetate	A	A	A	A	A	A	A	C	C	C	C	C	C	
Ethyl Acrylate	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	B ¹	
Ethyl Alcohol ¹⁰	A	A	A	A	A	A	A	A	A	A	A	A	A	
Ethylbenzene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Ethyl Carbamate	A	A	A	A	A	A	A	C	C	C	C	B	B	
Ethyl Cellulose	A	A	A	A	A	A	A	A	A	A	A	A	A	
Ethyl Chloride	A	A	A	A	A	A	A	C	C	C	C	C	C	
Ethyl Ether	A	A	A	A	A	A	A	B	C	B	C	B	B	
Ethyl Hexoate	A	A	A	A	A	A	A	C	-	C	-	-	B	
Ethylene	A	A	A	A	A	A	A	A	B	A	B	B	C	
Ethylene Bromide	A	A	A	A	A	A	A	C	C	C	C	C	C	
Ethylene Dibromide	A	A	A	A	A	A	A	C	C	C	C	C	C	
Ethylene Dichloride	A	A	A	A	A	A	A	C	C	C	C	C	C	
Ethylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A	A	
Ethyleneimine	-	-	A	-	-	A	A	C	C	C	C	C	C	
Ethylene Oxide	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
Ethylene Thiourea	A	A	A	A	A	A	A	-	-	-	-	C	C	
Ethylidene Chloride	A	A	A	A	A	A	A	C	C	C	C	C	C	
Exhaust, engine or combustion	-	-	-	-	-	-	-	B	B	B	B	B	B	
Ferric Chloride	A	A	A	C	C	A	A	A	A	B	B	B	B ⁴	
Ferric Phosphate	A	A	A	-	-	A	A	B	B	B	B	B	B	
Ferric Sulfate	A	A	A	B	B	A	A	A	A	A	A	A	A	
Fluorine, Gas	-	-	-	-	-	A ¹⁴	C	C	C	C	C	C	C	
Fluorine, Liquid	-	-	-	C	C	-	C	C	C	C	C	C	C	
Fluorine Dioxide	C	C	C	C	C	C	C	C	C	C	C	C	C	
Formaldehyde	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	A ¹	B ¹	B ¹	A ¹	
Formic Acid	A	A	A	B	B	A	A	C	-	C	-	B	B	
Fuel Oil	A	A	A	A	A	A	A	A	B	A	B	B	C	
Fuel Oil, Acid	A	A	A	A	A	A	A	A	B	A	B	B	C	
Furfural	A	A	A	A	A	A	A	C	C	C	C	B	B	
Gasoline, Refined	A	A	A	A	A	A	A	A	C	A	B	B	C	

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Gasoline, Sour	A	A	A	A	A	A	A	A	C	A	B	B	C
Gelatin	A	A	A	A	A	A	A	A	A	A	A	A	A
Glucose	A	A	A	A	A	A	A	A	A	A	A	A	A
Glue, Protein Base	A	A	A	A	A	A	A	A	A	A	A	A	A
Glycerine, Glycerol	A	A	A	A	A	A	A	A	A	A	A	A	A
Glycol	A	A	A	A	A	A	A	A	A	A	A	A	A
Grain Alcohol ¹⁰	A	A	A	A	A	A	A	A	A	A	A	A	A
Grease, Petroleum Base	A	A	A	A	A	A	A	A	C	A	C	-	C
Green Sulfate Liquor	C	B	A	-	A	A	A	C	C	C	C	C	C
Heptachlor	A	A	A	-	-	A	A	C	C	C	C	C	C
Heptane	A	A	A	A	A	A	A	A	C	A	C	B	C
Hexachlorobenzene	A	A	A	A	A	A	A	C	C	C	C	C	C
Hexachlorobutadiene	A	A	A	A	A	A	A	C	C	C	C	C	C
Hexachlorocyclopentadiene	A	A	A	A	A	A	A	C	C	C	C	C	C
Hexachloroethane	A	A	A	-	-	A	A	C	C	C	C	C	C
Hexadecane	A	A	A	A	A	A	A	A	C	A	C	B	C
Hexamethylene Diisocyanate	A	A	A	A	A	A	A	-	C	-	C	-	C
Hexamethylphosphoramide	A	A	A	A	A	A	A	-	C	-	C	-	-
Hexane	A	A	A	A	A	A	A	A	C	A	C	B	C
Hexone	A	A	A	A	A	A	A	C	C	C	C	C	B
Hydraulic Oil, Mineral	A	A	A	A	A	A	A	A	B	A	B	B	C
Hydraulic Oil, Synthetic (Phosphate Esters)	A	A	A	A	A	A	A	C	C	C	C	C	B
Hydrazine	A	A	A	A	A	A	A	C	B	C	B	B	B
Hydrobromic Acid	A	A	A	C	C	A	A	C	C	C	C	C	C
Hydrochloric Acid	A	A	A	C	C	A	A	C	C	C	C	C	C
Hydrocyanic Acid	A	A	A	A	A	A	A	A	B	A	B	B	A
Hydrofluoric Acid, Anhydrous	C	C	C	C	C	A	A	C	C	C	C	C	C
HF Acid, Less than 65%, Above 150°F	C	C	A	C	C	A	A	C	C	C	C	C	C
HF Acid, 65% to Anhydrous, Above 150°F	C	C	-	C	C	A	A	C	C	C	C	C	C
HF Acid, Up to Anhydrous, 150°F & below	C	C	A	C	C	A	A	C	C	C	C	C	C
Hydrofluorosilicic Acid	C	C	A	C	C	A	A	C	C	C	C	C	C
Hydrofluosilicic Acid	C	C	A	C	C	A	A	C	C	C	C	C	C
Hydrogen	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrogen Bromide	A	A	A	-	-	A	A	C	C	C	C	C	C
Hydrogen Fluoride	C	C	C	C	C	A	A	C	C	C	C	C	C
Hydrogen Peroxide, 10%	A	A	A	A	A	A	A	B	B	B	B	B	B
Hydrogen Peroxide, 10-90%	A	A	A	B	B	A	C	B	-	B	-	C	B
Hydrogen Sulfide, Dry or Wet	A	A	A	A	A	A	A	B	B	B	B	B	B
Hydroquinone	A	A	A	A	A	A	A	C	B	C	B	C	C
Iodine Pentafluoride	-	-	-	-	-	-	C	C	C	C	C	C	C
Iodomethane	A	A	A	A	A	A	A	C	C	C	C	B	-
Isobutane	A	A	A	A	A	A	A	A	C	A	C	B	C
Isooctane	A	A	A	A	A	A	A	A	C	A	C	B	C
Isophorone	A	A	A	A	A	A	A	C	C	C	C	C	B
Isopropyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A
Jet Fuels (JP A, B and JP4 thru JP8)	A	A	A	A	A	A	A	A	C	A	C	B	C
Jet Fuels, JP9 and JP10	A	A	A	A	A	A	A	C	C	C	C	C	C
Kerosene	A	A	A	A	A	A	A	A	C	A	C	B	C
Lacquer Solvents	A	A	A	A	A	A	A	C	C	C	C	C	C
Lacquers	A	A	A	A	A	A	A	C	C	C	C	C	C

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Lactic Acid, 150°F and below	A	A	A	A	A	A	A	A	A	A	A	A	A	
Lactic Acid, Above 150°F	A	A	A	A	A	A	A	-	-	-	-	-	-	
Lime Saltpeter (Calcium Nitrates)	A	A	A	-	-	A	C	B	B	B	B	B	B	
Lindane	A	A	A	B	B	A	A	C	C	C	C	C	C	
Linseed Oil	A	A	A	A	A	A	A	A	B	A	B	A	B	
Liquified Petroleum Gas (LPG)	A	A	A	A	A	A	A	A	B	A	B	B	C	
Lithium Bromide	A	A	A	A	A	A	A	A	-	A	-	A	A	
Lithium, Elemental	C	C	C	C	C	C	C	C	C	C	C	C	C	
Lubricating Oils, Refined	A	A	A	A	A	A	A	A	B	A	B	B	C	
Lubricating Oils, Mineral or Petroleum Types	A	A	A	A	A	A	A	A	B	A	B	B	C	
Lubricating Oils, Sour	A	A	A	A	A	A	A	B	B	B	B	B	C	
Lye	C	B	A ⁶	C	A ⁶	A ¹¹	A ⁶	C	C	C	C	C	C	
Magnesium Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	
Magnesium Hydroxide	A	A	A	A	A	A	A	B	B	B	B	B	B	
Magnesium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Maleic Acid	A	A	A	A	A	A	A	B	B	B	B	B	A	
Maleic Anhydride	A	A	A	A	A	A	A	C	-	C	-	C	C	
Mercuric Chloride	A	A	A	C	C	A	A	A	A	A	A	B	A	
Mercury	A	A	A	A	A	A	A	A	A	A	A	A	A	
Methane	A	A	A	A	A	A	A	A	B	A	C	B	C	
Methanol, Methyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	
Methoxychlor	A	A	A	A	A	A	A	C	C	C	C	C	C	
Methylacrylic Acid	A	A	A	-	-	A	A	C	C	C	C	C	C	
Methyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	
2-Methylaziridine	-	-	A	-	-	A	A	C	C	C	C	C	C	
Methyl Bromide	A	A	A	A	A	A	A	C	C	C	C	C	C	
Methyl Chloride	A	A	A	B	B	A	A	C	C	C	C	C	C	
Methyl Chloroform	A	A	A	A	A	A	A	C	C	C	C	C	C	
4,4 Methylene Bis(2-chloroaniline)	A	A	A	-	-	A	A	C	C	C	C	C	C	
Methylene Chloride	A	A	A	A	A	A	A	C	C	C	C	C	C	
4,4-Methylene Dianiline	A	A	A	A	A	A	A	C	C	C	C	C	-	
Methylene Diphenyldiisocyanate	A	A	A	-	-	A	A	C	C	C	C	C	-	
Methyl Ethyl Ketone	A	A	A	A	A	A	A	C	C	C	C	C	C	
Methyl Hydrazine	A	A	A	A	A	A	A	C	B	C	B	B	B	
Methyl Iodide	A	A	A	A	A	A	A	C	C	C	C	B	-	
Methyl Isobutyl Ketone (MIBK)	A	A	A	A	A	A	A	C	C	C	C	C	B	
Methyl Isocyanate	A	A	A	A	A	A	A	-	C	-	C	-	-	
Methyl Methacrylate	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
N-Methyl-2-Pyrrolidone	A	A	A	A	A	A	A	C	B	C	B	-	-	
Methyl Tert. Butyl Ether (MTBE)	A	A	A	A	A	A	A	B	C	B	B	C	C	
Milk ¹⁰	A	A	A	A	A	A	A	A	A	A	A	A	A	
Mineral Oils	A	A	A	A	A	A	A	A	B	A	B	B	C	
Mobiltherm 600	A	A	A	A	A	A	A	A	C	A	C	-	C	
Mobiltherm 603	A	A	A	A	A	A	A	A	C	A	C	-	C	
Mobiltherm 605	A	A	A	A	A	A	A	A	C	A	C	-	C	
Mobiltherm Light	A	A	A	A	A	A	A	C	C	C	C	C	C	
Molten Alkali Metals	C	C	C	C	C	C	C	C	C	C	C	C	C	
Monomethylamine	A	A	A	A	A	A	A	C	B	C	B	A	B	
MultiTherm 100	A	A	A	A	A	A	A	A	C	A	C	B	C	
MultiTherm 503	A	A	A	A	A	A	A	A	C	A	C	-	C	

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MultiTherm IG-2	A	A	A	A	A	A	A	A	C	A	C	B	C	
MultiTherm PG-1	A	A	A	A	A	A	A	A	C	A	C	B	C	
Muriatic Acid	A	A	A	C	C	A	A	C	C	C	C	C	C	
Naphtha	A	A	A	A	A	A	A	A	C	A	C	B	C	
Naphthalene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Naphthols	A	A	A	-	-	A	A	-	-	-	-	-	-	
Natural Gas	A	A	A	A	A	A	A	A	B	A	B	B	B	
Nickel Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	
Nickel Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Nitric Acid, Less than 30%	A	A	A	A	A	A	C	C	C	C	C	C	C	
Nitric Acid, Above 30%	A	A	A	A	A	A	C	C	C	C	C	C	C	
Nitric Acid, Crude	A	A	A	-	-	A	C	C	C	C	C	C	C	
Nitric Acid, Red Fuming	A	A	A	B	B	A	C	C	C	C	C	C	C	
Nitrobenzene	A	A	A	A	A	A	A	C	C	C	C	C	C	
4-Nitrobiphenyl	A	A	A	A	A	A	A	C	C	C	C	C	C	
2-Nitro-Butanol	A	A	A	-	-	A	-	C	-	C	-	C	-	
Nitrocalcite (Calcium Nitrate)	A	A	A	-	-	A	C	B	B	B	B	B	B	
Nitrogen	A	A	A	A	A	A	A	A	A	A	A	A	A	
Nitrogen Tetroxide	A	A	A	-	-	A	-	C	C	C	C	C	C	
Nitrohydrochloric Acid (Aqua Regia)	A	A	A	B	B	A	C	C	C	C	C	C	C	
Nitromethane	A	A	A	A	A	A	A	C	-	C	-	C	-	
2-Nitro-2-Methyl Propanol	A	A	A	-	-	A	-	C	-	C	-	C	-	
Nitromuriatic Acid (Aqua Regia)	A	A	A	B	B	A	C	C	C	C	C	C	C	
4-Nitrophenol	A	A	A	-	-	A	A	C	C	C	C	C	C	
2-Nitropropane	A	A	A	A	A	A	A	C	-	C	-	C	C	
N-Nitrosodimethylamine	A	A	A	A	A	A	A	B	B	B	B	-	-	
N-Nitroso-N-Methylurea	A	A	A	-	-	A	A	-	-	-	-	-	-	
N-Nitrosomorpholine	A	A	A	A	A	A	A	C	-	C	-	C	-	
Norge Niter (Calcium Nitrate)	A	A	A	-	-	A	C	B	B	B	B	B	B	
Norwegian Saltpeter (Calcium Nitrate)	A	A	A	-	-	A	C	B	B	B	B	B	B	
N-Octadecyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	-	A	
Octane	A	A	A	A	A	A	A	A	C	A	C	B	C	
Oil, Petroleum	A	A	A	A	A	A	A	A	B	A	B	B	C	
Oils, Animal and Vegetable ¹⁰	A	A	A	A	A	A	A	A	C	A	C	B	B	
Oleic Acid	A	A	A	A	A	A	A	B	-	B	-	C	C	
Oleum	A	-	C	C	C	A	-	C	C	C	C	C	C	
Orthodichlorobenzene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Oxalic Acid	A	A	A	B	B	A	A	C	-	C	-	B	B	
Oxygen, Gas	See Note 7							C	C	C	C	C	C	C
Ozone	See Note 7						C	C	C	C	C	C	C	C
Palmitic Acid	A	A	A	A	A	A	A	A	B	A	B	B	A	
Paraffin	A	A	A	A	A	A	A	A	B	A	B	B	C	
Paratherm HE	A	A	A	A	A	A	A	A	C	A	C	B	C	
Paratherm NF	A	A	A	A	A	A	A	A	C	A	C	-	C	
Parathion	A	A	A	A	A	A	A	C	C	C	C	C	C	
Paraxylene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Pentachloronitrobenzene	A	A	A	-	-	A	A	C	C	C	C	C	C	
Pentachlorophenol	A	A	A	A	A	A	A	C	C	C	C	C	C	
Pentane	A	A	A	A	A	A	A	A	C	A	C	B	C	
Perchloric Acid	A	A	A	C	C	A	C	C	C	C	C	C	C	

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Perchloroethylene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Petroleum Oils, Crude	A	A	A	A	A	A	A	A	B	A	B	B	C	
Petroleum Oils, Refined	A	A	A	A	A	A	A	A	B	A	B	B	C	
Phenol	A	A	A	A	A	A	A	C	C	C	C	C	B	
p-Phenylenediamine	A	A	A	A	A	A	A	C	C	C	C	-	-	
Phosgene	A	A	A	B	B	A	A	C	-	C	-	-	B	
Phosphate Esters	A	A	A	A	A	A	A	C	C	C	C	C	B	
Phosphine	A	A	A	A	A	A	A	-	-	-	-	-	-	
Phosphoric Acid, Crude	C	C	A	C	B	A	A	C	C	C	C	C	C	
Phosphoric Acid, Less than 45%	A	A	A	A	A	A	A	C	C	C	C	C	C	
Phosphoric Acid, Above 45%, to 150°F	B	B	A	B	B	A	A	C	C	C	C	C	C	
Phosphoric Acid, Above 45%, Above 150°F	C	B	A	C	B	A	A	C	C	C	C	-	-	
Phosphorus, Elemental	A	A	A	A	A	A	A	C	C	C	C	C	C	
Phosphorus Pentachloride	A	A	A	B	B	A	A	C	C	C	C	C	C	
Phthalic Acid	A	A	A	A	A	A	A	C	-	C	-	B	-	
Phthalic Anhydride	A	A	A	A	A	A	A	C	-	C	-	C	B	
Picric Acid, Molten	-	-	-	-	-	-	-	-	-	-	-	-	-	
Picric Acid, Water Solution	A	A	A	A	A	A	A	B	B	B	B	B	B	
Pinene	A	A	A	A	A	A	A	A	C	A	C	B	C	
Piperidine	A	A	A	A	A	A	A	C	C	C	C	C	C	
Polyacrylonitrile	A	A	A	A	A	A	A	A	A	A	A	A	A	
Polychlorinated Biphenyls	A	A	A	A	A	A	A	C	C	C	C	C	C	
Potash, Potassium Carbonate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Potassium Acetate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Potassium Bichromate	A	A	A	A	A	A	C	A	B	A	B	B	A	
Potassium Chromate, Red	A	A	A	A	A	A	C	A	B	A	B	B	A	
Potassium Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A	
Potassium Dichromate	A	A	A	A	A	A	C	A	B	A	B	B	A	
Potassium, Elemental	C	C	C	C	C	C	C	C	C	C	C	C	C	
Potassium Hydroxide	C	B	A ⁶	C	A ⁶	A ¹¹	A ⁶	C	C	C	C	C	C	
Potassium Nitrate	A	A	A	A	A	A	-	B	B	B	B	B	B	
Potassium Permanganate	A	A	A	A	A	A	-	B	-	B	-	B	B	
Potassium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Producer Gas	A	A	A	A	A	A	A	A	C	A	C	B	C	
Propane	A	A	A	A	A	A	A	A	C	A	C	B	C	
1,3-Propane Sultone	A	A	A	-	-	A	A	-	-	-	-	-	-	
Beta-Propiolactone	A	A	A	A	A	A	A	C	C	C	C	C	B	
Propionaldehyde	A	A	A	A	A	A	A	C	C	C	C	-	-	
Propoxur (Baygon)	A	A	A	A	A	A	A	C	C	C	C	-	-	
Propyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	
Propyl Nitrate	A	A	A	A	A	A	A	C	C	C	C	C	C	
Propylene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Propylene Dichloride	A	A	A	A	A	A	A	C	C	C	C	C	C	
Propylene Glycol	A	A	A	A	A	A	A	A	A	A	A	-	A	
Propylene Oxide	A	A	A	A	A	A	A	C	C	C	C	C	B	
1,2-Propylenimine	-	-	A	-	-	A	A	C	C	C	C	C	C	
Prussic Acid, Hydrocyanic Acid	A	A	A	A	A	A	A	A	B	A	B	B	A	
Pyridine	A	A	A	B	B	A	A	C	C	C	C	C	B	
Quinoline	A	A	A	B	B	A	A	C	C	C	C	C	C	
Quinone	A	A	A	A	A	A	-	-	-	-	-	-	-	

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Refrigerants	See Specific Ratings Below													
R 10	A	A	A	B	B	A	A	C	C	C	C	C	C	
R 11	A	A	A	A	A	A	A	A	C	A	C	C	C	
R 12	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 13	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 13B1	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 21	A	A	A	A	A	A	A	C	C	C	C	A	C	
R 22	A	A	A	A	A	A	A	B	B	B	B	A	A	
R 23	A	A	A	A	A	A	A	C	A	C	A	A	A	
R 31	A	A	A	A	A	A	A	C	A	C	A	A	A	
R 32	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 112	A	A	A	A	A	A	A	A	C	A	C	A	C	
R 113	A	A	A	A	A	A	A	A	A	A	A	A	C	
R 114	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 114B2	A	A	A	A	A	A	A	A	C	A	C	A	C	
R 115	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 123	A	A	A	A	A	A	A	C ³	C	C ³	C	A ³	C	
R 124	A	A	A	A	A	A	A	C	A	C	A	A	A	
R 125	A	A	A	A	A	A	A	–	A	–	A	A	A	
R 134a	A	A	A	A	A	A	A	B	A	B	A	A	A	
R 141b	A	A	A	A	A	A	A	A	–	A	–	A	–	
R 142b	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 143a	A	A	A	A	A	A	A	–	A	–	A	A	A	
R 152a	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 218	A	A	A	A	A	A	A	A	A	A	A	A	A	
R 290 (Propane)	A	A	A	A	A	A	A	A	C	A	C	B	C	
R 500	A	A	A	A	A	A	A	A	–	A	–	A	–	
R 502	A	A	A	A	A	A	A	A	A	A	A	A	–	
R 503	A	A	A	A	A	A	A	C	A	C	A	A	A	
R 507	A	A	A	A	A	A	A	B	–	B	–	A	A	
R 717 (Ammonia)	A	A	A	A	A	A	A	B	–	B	–	A	A	
R 744 (Carbon Dioxide)	A	A	A	A	A	A	A	A	A	A	A	A	A	
R1234 yf	A	A	A	A	A	A	A	B	–	B	–	A	B	
C316	A	A	A	A	A	A	A	A	A	A	A	A	A	
C318	A	A	A	A	A	A	A	A	A	A	A	A	A	
HP62	A	A	A	A	A	A	A	A	–	A	–	A	–	
HP80	A	A	A	A	A	A	A	–	–	–	–	A	–	
HP81	A	A	A	A	A	A	A	–	–	–	–	A	–	
Salt Water	A	A	A	B	B	A	A	A	A	A	A	A	A	
Saltpeper, Potassium Nitrate	A	A	A	A	A	A	–	B	B	B	B	B	B	
2,4-D Salts and Esters	A	A	A	–	–	A	A	C	C	C	C	C	C	
Sewage	A	A	A	A	A	A	A	A	B	A	B	B	B	
Silver Nitrate	A	A	A	A	A	A	–	B	A	B	A	A	A	
Skydrols	A	A	A	A	A	A	A	C	C	C	C	C	B	
Soap Solutions	A	A	A	A	A	A	A	A	A	A	A	A	A	
Soda Ash, Sodium Carbonate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Bicarbonate, Baking Soda	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Bisulfate (Dry)	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Bisulfite	A	A	A	B	B	A	A	A	A	A	A	A	A	
Sodium Chlorate	A	A	A	A	A	A	A	C	–	C	–	C	C	

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Sodium Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	
Sodium Cyanide	C	C	A	C	C	A	A	C	C	C	C	C	C	
Sodium, Elemental	C	C	C	C	C	C	C	C	C	C	C	C	C	
Sodium Hydroxide	C	B	A ⁶	C	A ⁶	A ¹¹	A ⁶	C	C	C	C	C	C	
Sodium Hypochlorite	A	A	A	B	B	A	–	C	–	C	–	C	C	
Sodium Metaborate Peroxyhydrate	A	A	A	B	B	A	C	B	B	B	B	B	B	
Sodium Metaphosphate	B	A	A	B	A	A	A	A	A	A	A	A	A	
Sodium Nitrate	A	A	A	A	A	A	–	B	B	B	B	B	B	
Sodium Perborate	A	A	A	B	B	A	C	B	B	B	B	B	B	
Sodium Peroxide	A	A	A	A	A	A	C	C	C	C	C	C	C	
Sodium Phosphate, Monobasic	A	A	A	A	A	A	A	B	B	B	B	B	B	
Sodium Phosphate, Dibasic	B	B	A	B	A	A	A	B	B	B	B	B	B	
Sodium Phosphate, Tribasic	C	B	A	C	A	A	A	C	C	C	C	C	C	
Sodium Silicate	B	B	A	B	A	A	A	B	B	B	B	B	B ⁴	
Sodium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Sulfide	A	A	A	A	A	A	A	A	A	A	A	A	A	
Sodium Superoxide	A	A	A	A	A	A	C	C	C	C	C	C	C	
Sodium Thiosulfate, "Hypo"	A	A	A	A	A	A	A	A	A	A	A	A	A	
Soybean Oil ¹⁰	A	A	A	A	A	A	A	A	C	A	C	B	B	
Stannic Chloride	A	A	A	C	C	A	A	B	B	B	B	–	B	
Steam, Saturated, to 150 psig ¹²	A	A	A	A	A	A	A	A ¹²	A ¹²	B ⁹	B ⁹	B ⁹	B ⁹	
Steam, Superheated	–	–	–	–	–	–	–	C	C	C	C	C	C	
Stearic Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	
Stoddard Solvent	A	A	A	A	A	A	A	A	C	A	C	B	C	
Styrene	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
Styrene Oxide	A	A	A	A	A	A	A	C	C	C	C	C	C	
Sulfur Chloride	A	A	A	C	C	A	A	C	C	C	C	C	C	
Sulfur Dioxide	A	A	A	A	A	A	A	C	C	C	C	C	B	
Sulfur, Molten	A	A	A	A	A	A	A	C	C	C	C	B	C	
Sulfur Trioxide, Dry	A	A	A	A	A	A	–	C	C	C	C	C	C	
Sulfur Trioxide, Wet	A	A	A	B	B	A	B	C	C	C	C	C	C	
Sulfuric Acid, 10%, 150°F and below	A	A	A	B	B	A	–	C	C	C	C	C	C	
Sulfuric Acid, 10%, Above 150°F	A	A	A	C	C	A	–	–	C	–	C	C	C	
Sulfuric Acid, 10-75%, 500°F and below	A	A	A	C	C	A	–	–	C	–	C	C	C	
Sulfuric Acid, 75-98%, 150°F and below	A	A	B	C	C	A	C	C	C	C	C	C	C	
Sulfuric Acid, 75-98%, 150°F to 500°F	A	B	B	C	C	A	C	C	C	C	C	C	C	
Sulfuric Acid, Fuming	A	–	C	C	C	A	C	C	C	C	C	C	C	
Sulfurous Acid	A	A	A	B	B	A	–	B	B	B	B	–	–	
Syltherm 800	A	A	A	A	A	A	A	B	B	B	B	B	B	
Syltherm XLT	A	A	A	A	A	A	A	B	B	B	B	B	B	
Tannic Acid	A	A	A	– ⁸	– ⁸	A	A	A	A	A	A	A	A	
Tar	A	A	A	A	A	A	A	C	A	A	C	B	C	
Tartaric Acid	A	A	A	A	A	A	A	A	A	A	A	A	A	
2,3,7,8-TCDB-p-Dioxin	A	A	A	–	–	A	A	C	C	C	C	C	C	
Tertiary Butyl Amine	A	A	A	A	A	A	A	B	–	B	–	C	B	
Tetrabromoethane	A	A	A	A	A	A	A	C	C	C	C	C	C	
Tetrachlorethane	A	A	A	A	A	A	A	C	C	C	C	C	C	
Tetrachloroethylene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Tetrahydrofuran, THF	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol 44	A	A	A	A	A	A	A	C	C	C	C	C	C	

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Therminol 55	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol 59	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol 60	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol 66	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol 75	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol D12	A	A	A	A	A	A	A	B	C	B	C	B	C	
Therminol LT	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol VP-1	A	A	A	A	A	A	A	C	C	C	C	C	C	
Therminol XP	A	A	A	A	A	A	A	A	C	A	C	B	C	
Thionyl Chloride	A	A	A	C	C	A	A	C	C	C	C	C	C	
Titanium Sulfate	A	A	A	A	A	A	A	C	C	C	C	C	C	
Titanium Tetrachloride	A	A	A	C	C	A	A	B	C	C	C	C	C	
Toluene	A	A	A	A	A	A	A	C	C	C	C	C	C	
2,4-Toluenediamine	A	A	A	A	A	A	A	-	C	-	C	C	C	
2,4-Toluenediisocyanate	A	A	A	-	-	A	A	C	C	C	C	C	B	
Toluene Sulfonic Acid	A	A	A	-	-	A	A	C	C	C	C	C	C	
o-Toluidine	A	A	A	A	A	A	A	C	C	C	C	C	C	
Toxaphene	A	A	A	-	-	A	A	C	C	C	C	C	C	
Transformer Oil (Mineral Type)	A	A	A	A	A	A	A	A	C	A	C	B	C	
Transmission Fluid A	A	A	A	A	A	A	A	A	C	A	C	B	C	
Trichloroacetic Acid	A	A	A	C	C	A	A	C	C	C	C	C	C	
1,2,4- Trichlorobenzene	A	A	A	A	A	A	A	C	C	C	C	C	C	
1,1,2-Trichloroethane	A	A	A	A	A	A	A	C	C	C	C	C	C	
Trichloroethylene	A	A	A	A	A	A	A	C	C	C	C	C	C	
2,4,5-Trichlorophenol	A	A	A	-	-	A	A	C	C	C	C	C	C	
2,4,6-Trichlorophenol	A	A	A	-	-	A	A	C	C	C	C	C	C	
Tricresylphosphate	A	A	A	A	A	A	A	C	C	C	C	C	B	
Triethanolamine	A	A	A	-	-	A	A	B	B	B	B	B	B	
Triethyl Aluminum	A	A	A	-	-	A	A	C	-	C	-	C	-	
Triethylamine	A	A	A	A	A	A	A	B	B	B	B	B	A	
Trifluralin	A	A	A	A	A	A	A	C	C	C	C	C	C	
2,2,4-Trimethylpentane	A	A	A	A	A	A	A	A	C	A	C	B	C	
Tung Oil	A	A	A	A	A	A	A	A	C	A	C	B	C	
Turpentine	A	A	A	A	A	A	A	A	C	A	C	C	C	
UCON Heat Transfer Fluid 500	A	A	A	A	A	A	A	A	B	A	B	B	B	
UCON Process Fluid WS	A	A	A	A	A	A	A	A	B	A	B	B	B	
Urea, 150°F and below	A	A	A	A	A	A	A	B	-	B	-	A	A	
Urea, above 150°F	A	A	A	A	A	A	A	-	-	-	-	-	-	
Varnish	A	A	A	A	A	A	A	B	C	B	C	C	C	
Vegetable Oil ¹⁰	A	A	A	A	A	A	A	A	C	A	C	B	B	
Vinegar ¹⁰	A	A	A	A	A	A	A	B	B	B	B	A	A	
Vinyl Acetate	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	C	B ¹	C	B ¹	B ¹	
Vinyl Bromide	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
Vinyl Chloride	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
Vinylidene Chloride	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	
Vinyl Methacrylate	A	A	A	A	A	A	A	C	C	C	C	C	C	
Water, Acid Mine, with Oxidizing Salt	A	A	A	C	C	A	-	B	-	B	-	B	-	
Water, Acid Mine, No Oxidizing Salts	A	A	A	A	A	A	A	A	-	A	-	B	A	
Water, Distilled	A	A	A	A	A	A	A	A	A	A	A	A	A	
Water, Return Condensate	A	A	A	A	A	A	A	A	A	A	-	-	A	

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Water, Seawater	A	A	A	B	B	A	A	A	A	A	A	A	A	
Water, Tap	A	A	A	A	A	A	A	A	A	A	A	A	A	
Whiskey and Wines ¹⁰	A	A	A	A	A	A	A	A	A	A	A	A	A	
Wood Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	
Xceltherm 550	A	A	A	A	A	A	A	B	C	B	C	B	C	
Xceltherm 600	A	A	A	A	A	A	A	A	C	A	C	B	C	
Xceltherm MK1	A	A	A	A	A	A	A	C	C	C	C	C	C	
Xceltherm XT	A	A	A	A	A	A	A	C	C	C	C	C	C	
Xylene	A	A	A	A	A	A	A	C	C	C	C	C	C	
Zinc Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	
Zinc Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	

NOTES:

- Consult the factory regarding your specific applications. See "Monomers" in Gasketing catalog Terms section.
- IFG® Style 5507 is rated "B".
- There have been conflicting field reports concerning the suitability of NBR and neoprene bound gaskets in 123. End users should take note.
- IFG® Style 5507 is rated "A".
- Some chromium plating baths contain fluorides that can attack silica and silicate type fillers in some GYLON® styles. If the bath is known to contain little or no fluoride, all GYLON® styles should be suitable for use.
- These GYLON® styles can be expected to be suitable to 60% concentration at temperatures up to 250°F (121°C).
- Use GYLON® styles 3502, 3503, 3505, 3562, 3563. These styles are specially processed, cleaned and packaged for oxygen service.
- This GYLON® contains a stainless steel insert. There is a possibility that this might contribute traces of iron to form iron tannates, resulting in undesirable color in the tannic acid.
- These styles are not preferred choices for steam service, but are successful when adequately compressed.
- If a gasketing material that conforms to FDA requirements is desired, contact factory for specific recommendations.
- These GYLON® gasket styles can be expected to be suitable to 75% concentration at temperatures up to 400°F (204°C).
- Minimum recommended assembly stress = 4,800psi. Preferred assembly stress = 6,000-10,000psi. Gasket thickness of 1/16" strongly preferred. For saturated steam above 150psig, consult Garlock Engineering.
- Some detergent solutions are strongly alkaline and/or may contain bleach. Please contact Applications Engineering.
- Gylon 3545 is suitable for up to 200°F wet or dry fluorine gas. Above this please consult Applications Engineering.
- If lead chromate is also present please consult Applications Engineering.

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