

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
1-Butene,2-Ethyl	Acceptable
1-Chloro 1-Nitro Ethane	Unacceptable
Acetaldehyde	Unacceptable
Acetamide	Acceptable
Acetic Acid 30%	Minor to moderate effect
Acetic Acid 5%	Minor to moderate effect
Acetic Acid, Glacia	Moderate to severe effect
Acetic Acid, Hot High Press	Unacceptable
Acetic Anhydride	Unacceptable
Acetone	Unacceptable
Acetophenone	Unacceptable
Acetyl Acetone	Unacceptable
Acetyl Chloride	Unacceptable
Acetylene	Minor to moderate effect
Acetylene Tetrabomide	Unacceptable
Acrylonitrile	Unacceptable
Adipic Acid	Acceptable
Aero Lubriplate	Acceptable
Aero Safe 2300	Unacceptable
Aero Safe 2300W	Unacceptable
Aero Shell 17 Grease	Acceptable
Aero Shell 750	Minor to moderate effect
Aero Shell 7A Grease	Acceptable
Aero Shell IAC	Acceptable
Aerozene 50 (50% Hydrazine UDMH)	Moderate to severe effect
Air-Above 300 F	Unacceptable
Air-Below 300 F	Minor to moderate effect
Alkazene	Unacceptable
Aluminum Acetat	Minor to moderate effect
Aluminum Bromide	Acceptable
Aluminum Chloride	Acceptable
Aluminum Fluoride	Acceptable
Aluminum Nitrate	Acceptable
Aluminum Phosphate	Acceptable
Aluminum Salts	Acceptable
Aluminum Sulfate	Acceptable
Alum-NH3Cr-K	Acceptable
Ambrex 33 Mobil	Acceptable
Amines,Mixed	Unacceptable
Ammonia and Lithium Metalin Solution	Minor to moderate effect
Ammonia Anhydrous(Liquid)	Minor to moderate effect

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Ammonia Gas,Cold	Acceptable
Ammonia Gas,Hot	Unacceptable
Ammonium Carbonate	Unacceptable
Ammonium Chloride	Acceptable
Ammonium Hydroxide(Concentrated)	Unacceptable
Ammonium Nitrate	Acceptable
Ammonium Nitrate	Acceptable
Ammonium Persulfate 10%	Unacceptable
Ammonium Persulfate Solution	Unacceptable
Ammonium Phosphate	Acceptable
Ammonium Phosphate, Dibasic	Acceptable
Ammonium Phosphate, Mono-Basic	Acceptable
Ammonium Phosphate, Tribasic	Acceptable
Ammonium Salts	Acceptable
Ammonium Sulfate	Acceptable
Ammonium Sulfide	Acceptable
Amyl Acetate	Unacceptable
Amyl Alcohol	Minor to moderate effect
Amyl Borate	Acceptable
Amyl Chloranaphthalene	Unacceptable
Amyl Chloride	Insufficient data
Amyl Naphthalene	Unacceptable
Anderol L-774 (di-ester)	Minor to moderate effect
Anderol L-826 (di-ester)	Minor to moderate effect
Anderol L-829 (di-ester)	Minor to moderate effect
Ang-25 (Di-ester Base) (TG749)	Minor to moderate effect
Ang-25 (Glycerol Ester)	Minor to moderate effect
Anhydrous Ammonia	Minor to moderate effect
Anhydrous Hydrazine	Unacceptable
Anhydrous Hydrogen Fluoride	Unacceptable
Aniline	Unacceptable
Aniline Dyes	Unacceptable
Aniline Hydrochloride	Minor to moderate effect
Aniline Oils	Unacceptable
Animal Fats	Acceptable
Animal Oils	Acceptable
AN-O-3 Grade M	Acceptable
AN-O-366	Acceptable
AN-O-6	Acceptable
Ansul Ether	Moderate to severe effect
AN-VV-O-366b Hdry. Fluid	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Aqua Regia	Unacceptable
Argon	Moderate to severe effect
Aroclor 1248	Moderate to severe effect
Aroclor 1254	Unacceptable
Aroclor 1260	Acceptable
Aromatic Fuel 50%	Minor to moderate effect
Arsenic Acid	Acceptable
Arsenic Trichloride	Acceptable
Askarel	Minor to moderate effect
Asphalt	Minor to moderate effect
ASTM Oil #1	Acceptable
ASTM Oil #2	Acceptable
ASTM Oil #3	Acceptable
ASTM Oil #4	Minor to moderate effect
ASTM Reference Fuel A	Acceptable
ASTM Reference Fuel B	Acceptable
ASTM Reference Fuel C	Minor to moderate effect
ATL-857	Minor to moderate effect
Atlantic Dominion F	Acceptable
Aurex 903R Mobil	Acceptable
Automatic Transmission Fluid	Acceptable
Automotive Brake Fluid	Moderate to severe effect
Bardol B	Unacceptable
Barium Chloride	Acceptable
Barium Hydroxide	Acceptable
Barium Sulfate	Acceptable
Barium Sulfide	Acceptable
BariumSalts	Acceptable
Bayol D	Acceptable
Beer	Acceptable
Beer Sugar Liquors	Acceptable
Benzaldehyde	Unacceptable
Benzene	Unacceptable
Benzenesulfonic Acid	Unacceptable
Benzine	Acceptable
Benzochloride	Unacceptable
Benzoic Acid	Unacceptable
Benzophenone	Insufficient data
Benzyl Alcohol	Unacceptable
Benzyl Benzoate	Unacceptable
Benzyl Chloride	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Black Furnace Gas	Unacceptable
Black Point 77	Acceptable
Black Sulphate Liquors	Minor to moderate effect
Bleach Solutions	Unacceptable
Borax	Minor to moderate effect
Bordeaux Mixture	Minor to moderate effect
Boric Acid	Acceptable
Boron Fluids(HEF)	Minor to moderate effect
Brake Fluid(Non-Petroleum)	Moderate to severe effect
Bray GG-130	Minor to moderate effect
Brayco 719-R (VV-H-910)	Moderate to severe effect
Brayco 885 (MIL-L-6085A)	Minor to moderate effect
Brayco 910	Minor to moderate effect
Brett 710	Minor to moderate effect
Brine	Acceptable
Brom-113	Moderate to severe effect
Brom-114	Minor to moderate effect
Bromine	Unacceptable
Bromine Anhydrous	Insufficient data
Bromine Pentafluoride	Unacceptable
Bromine Trifluoride	Unacceptable
Bromine Water	Unacceptable
Bromobenzene	Unacceptable
Bromochloro Trifluoroethane	Unacceptable
Bunker Oil	Acceptable
Butadiene	Unacceptable
Butane	Acceptable
Butane 2,2-Dimethyl	Acceptable
Butane 2,3-Dimethyl	Acceptable
Butanol (Butyl Alcohol)	Acceptable
Butter	Acceptable
Butyl Acetate	Unacceptable
Butyl Acetyl Ricinoleate	Minor to moderate effect
Butyl Acrylate	Unacceptable
Butyl Alcohol	Acceptable
Butyl Amine	Moderate to severe effect
Butyl Benzoate	Unacceptable
Butyl Butyrate	Unacceptable
Butyl Carbitol	Minor to moderate effect
Butyl Cellosolve	Moderate to severe effect
Butyl Cellosolve Adipate	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Butyl Ether	Moderate to severe effect
Butyl Oleate	Unacceptable
Butyl Stearate	Minor to moderate effect
Butylene	Minor to moderate effect
Butyraldehyde	Unacceptable
Butyric	Unacceptable
Calcine Liquors	Acceptable
Calcium Acetate	Minor to moderate effect
Calcium Bisulfite	Acceptable
Calcium Carbonate	Acceptable
Calcium Chloride	Acceptable
Calcium Cyanide	Acceptable
Calcium Hydroxide	Acceptable
Calcium Hypochloride	Unacceptable
Calcium Hypochlorite	Moderate to severe effect
Calcium Nitrate	Acceptable
Calcium Phosphate	Acceptable
Calcium Salts	Acceptable
Calcium Silicate	Acceptable
Calcium Sulfide	Minor to moderate effect
Calcium Sulfite	Acceptable
Calcium Thiosulfate	Minor to moderate effect
Caliche Liquors	Acceptable
Cane Sugar Liquors	Acceptable
Caproic Aldehyde	Insufficient data
Carbamate	Moderate to severe effect
Carbitol	Minor to moderate effect
Carbolic Acid	Unacceptable
Carbon Bisulfide	Moderate to severe effect
Carbon Dioxide, Dry	Acceptable
Carbon Dioxide, Wet	Acceptable
Carbon Disulfide	Unacceptable
Carbon Monoxide	Acceptable
Carbon Tetrachloride	Moderate to severe effect
Carbonic Acid	Minor to moderate effect
Castor Oil	Acceptable
Cellosolve	Unacceptable
Cellosolve Acetate	Unacceptable
Cellosolve Butyl	Unacceptable
Celluguard	Acceptable
Cellulube A60 Now Fyrquel	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Cellulube90,100,150,220,300,500	Unacceptable
Cellutherm 2505A	Minor to moderate effect
Cetane (Hexadecane)	Acceptable
China Wod Oil (Tung Oil)	Acceptable
Chloracetic Acid	Unacceptable
Chlorextol	Minor to moderate effect
Chlorinated Salt Brine	Unacceptable
Chlorinated Solvents, Dry	Unacceptable
Chlorinated Solvents, Wet	Unacceptable
Chlorine Dioxide	Unacceptable
Chlorine Dioxide(8% Cl as NACIO2 in solutio	Unacceptable
Chlorine Trifluoride	Unacceptable
Chlorine, Wet	Unacceptable
Chlorine,Dry	Unacceptable
Chloroacetic Acid	Insufficient data
Chloroacetone	Unacceptable
Chlorobenzene	Unacceptable
Chlorobenzene, (Mono)	Unacceptable
Chlorobromo Methane	Unacceptable
Chlorobutadiene	Unacceptable
Chlorodane	Minor to moderate effect
Chlorododecane	Unacceptable
Chloroform	Unacceptable
Chlorosulfonic Acid	Unacceptable
Chlorotoluene	Unacceptable
Chlorox	Minor to moderate effect
Chrome Alum	Acceptable
Chrome Plating Solutions	Unacceptable
Chromic Acid	Unacceptable
Chromic Oxide .88 Wt.% Aqueous Solution	Unacceptable
Circo Light Process Oil	Acceptable
Citric Acid	Acceptable
City Service #65,#120,#250	Acceptable
City Service Koolmotor-AP Gear Oil 140-E.P.I	Acceptable
City Service Pacemaker #2	Acceptable
Cobalt Chloride	Acceptable
Cobalt Chloride,2N	Acceptable
Cocoanut Oil	Acceptable
Cod Liver Oil	Acceptable
Coffee	Acceptable
Coke Oven Gas	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Coliche Liquors	Minor to moderate effect
Convelex 10	Unacceptable
Coolanol (Monsanto)	Acceptable
Coolanol 45 (Monsanto)	Acceptable
Copper Acetate	Minor to moderate effect
Copper Chloride	Acceptable
Copper Cyanide	Acceptable
Copper Salts	Acceptable
Copper Sulfate	Acceptable
Copper Sulfate 10%	Acceptable
Copper Sulfate 50%	Acceptable
Corn Oil	Acceptable
Cottonseed Oil	Acceptable
Creosols	Unacceptable
Creosote	Minor to moderate effect
Creosote, Cooler Tar	Acceptable
Creosote, Wood	Acceptable
Creosylic Acid	Unacceptable
Crude Oil	Minor to moderate effect
Cumene	Unacceptable
Cutting Oil	Acceptable
Cyclohexane	Acceptable
Cyclohexanol	Minor to moderate effect
Cyclohexanone	Unacceptable
Decalin	Unacceptable
Decane	Minor to moderate effect
Delco Brake Fluid	Moderate to severe effect
Denatured Alcohol	Acceptable
Detergent Solutions	Acceptable
Developing Fluids (Photo)	Acceptable
Dextron	Acceptable
Diacetone	Unacceptable
Diacetone Alcohol	Unacceptable
Diazinon	Moderate to severe effect
Dibenzyl Ether	Unacceptable
Dibenzyl Sebacate	Unacceptable
Dibromoethyl Benzene	Unacceptable
Dibutyl Ether	Unacceptable
Dibutyl Phthalate	Unacceptable
Dibutyl Sebacate	Unacceptable
Dibutylamine	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Dichloro-Butane	Minor to moderate effect
Dichloro-Isopropyl Ether	Unacceptable
Dicyclohexylamine	Moderate to severe effect
Diesel Oil	Acceptable
Di-ester Lubricant MIL-L-7808	Minor to moderate effect
Di-ester Synthetic Lubricants	Minor to moderate effect
Diethyl Benzene	Unacceptable
Diethyl Ether	Unacceptable
Diethyl Sebacate	Unacceptable
Diethylamine	Moderate to severe effect
Diethylene Glycol	Acceptable
Difluorodibromomethane	Unacceptable
Diisobutylene	Minor to moderate effect
Diisooctyl Sebacate	Moderate to severe effect
Diisopropyl Benzene	Unacceptable
Diisopropyl Ketone	Unacceptable
Dimethyl Aniline	Insufficient data
Dimethyl Formamide	Minor to moderate effect
Dinitro Toluene	Unacceptable
Diocetyl Phthalate	Unacceptable
Diocetyl Sebacate	Unacceptable
Dioxane	Unacceptable
Dioxolane	Unacceptable
Dipentene	Minor to moderate effect
Diphenyl	Unacceptable
Diphenyl Oxides	Acceptable
Dow Chemical 50-4	Insufficient data
Dow Chemical ET378	Unacceptable
Dow Chemical ET588	Moderate to severe effect
Dow Corning-11	Acceptable
Dow Corning-1208	Acceptable
Dow Corning-200	Acceptable
Dow Corning-220	Acceptable
Dow Corning-3	Acceptable
Dow Corning-33	Acceptable
Dow Corning-4	Acceptable
Dow Corning-4050	Acceptable
Dow Corning-44	Acceptable
Dow Corning-5	Acceptable
Dow Corning-510	Acceptable
Dow Corning-55	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Dow Corning-550	Acceptable
Dow Corning-6620	Acceptable
Dow Corning-704	Minor to moderate effect
Dow Corning-705	Minor to moderate effect
Dow Corning-710	Acceptable
Dow Corning-F60	Acceptable
Dow Corning-F61	Acceptable
Dow Corning-XF60	Acceptable
Dow Guard	Acceptable
Dowtherm 209, 50% Solution	Moderate to severe effect
Dowtherm A or E	Unacceptable
Dowtherm Oil	Insufficient data
Drinking Water	Acceptable
Dry Cleaning Fluids	Moderate to severe effect
DTE Light Oil	Acceptable
Elco 28-EP Lubricant	Acceptable
Epichlorohydrin	Unacceptable
Epoxy Resins Esam-6 Fluid	Insufficient data
Esso Fuel 208	Acceptable
Esso Golden Gasoline	Minor to moderate effect
Esso Motor Oil	Acceptable
Esso Transmission Fluid (type A)	Acceptable
Esso WS3812 (MIL-L-7808A)	Acceptable
Esso XP90-EP Lubricant	Acceptable
Esstic 42,43	Acceptable
Ethane	Acceptable
Ethanol Amine	Minor to moderate effect
Ethers	Unacceptable
Ethyl Acetate-Organic Ester	Unacceptable
Ethyl Acetoacetate	Unacceptable
Ethyl Acrylate	Unacceptable
Ethyl Acrylic Acid	Unacceptable
Ethyl Alcohol	Moderate to severe effect
Ethyl Benzene	Unacceptable
Ethyl Benzoate	Unacceptable
Ethyl Bromide	Minor to moderate effect
Ethyl Cellosolve	Unacceptable
Ethyl Cellulose	Minor to moderate effect
Ethyl Chloride	Acceptable
Ethyl Chlorocarbonate	Unacceptable
Ethyl Chloroformate	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Ethyl Cyclopentane	Acceptable
Ethyl Ether	Moderate to severe effect
Ethyl Formate	Unacceptable
Ethyl Hexanol	Acceptable
Ethyl Mercaptan	Unacceptable
Ethyl Oxalate	Unacceptable
Ethyl Pentachlorobenzene	Unacceptable
Ethyl Silicate	Acceptable
Ethylene	Acceptable
Ethylene Chloride	Unacceptable
Ethylene Chlorohydrin	Unacceptable
Ethylene Diamine	Acceptable
Ethylene Dibromide	Unacceptable
Ethylene Dichloride	Unacceptable
Ethylene Glycol	Acceptable
Ethylene Oxide	Unacceptable
Ethylene Trichloride	Unacceptable
Ethylmorpholine Stannous Octoate(50/50 mix	Unacceptable
F-60 Fluid (Dow Corning)	Acceptable
Fatty Acids	Minor to moderate effect
FC-43 Heptacosofluorotri-butylamine	Acceptable
FC-75 Fluorocarbon	Acceptable
Ferric Chloride	Acceptable
Ferric Nitrate	Acceptable
Ferric Sulfate	Acceptable
Fish Oil	Insufficient data
Flosilicic	Acceptable
Fluid (Dow Corning)	Acceptable
Fluorinated Cyclic Ethers	Insufficient data
Fluorine (Liquid)	Insufficient data
Fluorobenzene	Unacceptable
Fluoroboric Acid	Acceptable
Fluorocarbon Oils	Insufficient data
Fluorolube	Acceptable
Formaldehyde	Moderate to severe effect
Formic Acid	Minor to moderate effect
Freon, 112	Minor to moderate effect
Freon, 113	Acceptable
Freon, 114	Acceptable
Freon, 114B2	Minor to moderate effect
Freon, 115	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Freon, 14	Acceptable
Freon, 142b	Acceptable
Freon, 152a	Acceptable
Freon, 21	Unacceptable
Freon, 218	Acceptable
Freon, 22	Unacceptable
Freon, 22 and ASTM Oil#2 (50/50 mixture)	Unacceptable
Freon, 31	Unacceptable
Freon, 32	Acceptable
Freon, 502	Minor to moderate effect
Freon, BF	Minor to moderate effect
Freon, C316	Acceptable
Freon, C318	Acceptable
Freon, MF	Minor to moderate effect
Freon, PCA	Acceptable
Freon, TA	Acceptable
Freon, TC	Acceptable
Freon, TF	Acceptable
Freon, TMC	Minor to moderate effect
Freon, T-P35	Acceptable
Freon, T-WD602	Minor to moderate effect
Freon,11	Minor to moderate effect
Freon,12	Acceptable
Freon,12 and ASTM-Oil#2(50/50 mixture)	Acceptable
Freon,12 and Suniso 4G (50/50 mixture)	Acceptable
Freon,13	Acceptable
Freon,13B1	Acceptable
Fuel Oil	Acceptable
Fuel Oil, #6	Minor to moderate effect
Fuel Oil, Acidic	Acceptable
Fumaric Acid	Acceptable
Fuming Sulphuric Acid (20/25% Oleum)	Unacceptable
Furan (Furfuran)	Unacceptable
Furaryl Alcohol	Unacceptable
Furfural	Unacceptable
Furfuraldehyde	Unacceptable
Furyl Carbinol	Unacceptable
Fyrquel 90, 100, 150, 220, 300,500	Unacceptable
Fyrquel A60	Unacceptable
Gallic Acid	Minor to moderate effect
Gasoline	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Gelatin	Acceptable
Girling Brake Fluid	Moderate to severe effect
Glacial Acetic Acid	Minor to moderate effect
Glauber's Salt	Unacceptable
Glucose	Acceptable
Glue (Depending on type)	Acceptable
Glycerine-Glycerol	Acceptable
Glycols	Acceptable
Green Sulphate Liquor	Minor to moderate effect
Gulf Endurance Oils	Acceptable
Gulf FR Fluids (Emulsion)	Acceptable
Gulf FRG-Fluids	Acceptable
Gulf FRP-Fluids	Unacceptable
Gulf Harmony Oils	Acceptable
Gulf High temperature Grease	Acceptable
Gulf Legion Oils	Acceptable
Gulf Paramount Oils	Acceptable
Gulf Security Oils	Acceptable
Gulfcrown Grease	Acceptable
Halothane	Unacceptable
Halowax Oil	Unacceptable
Hannifin Lube A	Acceptable
Heavy Water	Acceptable
HEF-2 (High Energy Fuel)	Minor to moderate effect
Hellum	Acceptable
Hexane	Acceptable
Hexyl Alcohol	Acceptable
High Viscosity Lubricant, H2	Acceptable
High Viscosity Lubricant, U4	Acceptable
Hilo MS #1	Unacceptable
Houghto-Safe 1010, Phosphate Ester	Unacceptable
Houghto-Safe 1055, Phosphate Ester	Unacceptable
Houghto-Safe 1120, Phosphate Ester	Unacceptable
Houghto-Safe 271 (Water and Glycol base)	Acceptable
Houghto-Safe 5040 (Water/Oil emulsion)	Acceptable
Houghto-Safe 620 (Water/Clycol)	Acceptable
Hydraulic Oil (Petroleum Base)	Acceptable
Hydrazine	Minor to moderate effect
Hydrobromic Acid	Unacceptable
Hydrobromic Acid 40%	Unacceptable
Hydrocarbon (Saturated)	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Hydrochloric Acid 3 Molar	Moderate to severe effect
Hydrochloric Acid Cold 37%	Minor to moderate effect
Hydrochloric Acid Concentrated	Unacceptable
Hydrochloric Acid Hot 37%	Unacceptable
Hydrocyanic Acid	Minor to moderate effect
Hydro-Drive, MIH-10 (Petroleum Base)	Acceptable
Hydro-Drive, MIH-50 (Petroleum Base)	Acceptable
Hydroflosilicic Acid	Minor to moderate effect
Hydrofluoric Acid ,65% Max. Hot	Unacceptable
Hydrofluoric Acid ,65% Min.. Hot	Unacceptable
Hydrofluoric Acid, 65% Max. Cold	Minor to moderate effect
Hydrofluoric Acid, 65% Min. Cold	Unacceptable
Hydrogen Gas, Cold	Acceptable
Hydrogen Gas, Hot	Acceptable
Hydrogen Peroxide (1)	Minor to moderate effect
Hydrogen Peroxide 90% (1)	Unacceptable
Hydrogen Sulfide Dry, Cold	Acceptable
Hydrogen Sulfide Dry, Hot	Unacceptable
Hydrogen Sulfide Wet, Cold	Unacceptable
Hydrogen sulfide Wet, Hot	Unacceptable
Hydrolube-Water/Ethylene Glycol	Acceptable
Hydroquinone	Moderate to severe effect
Hydyne	Minor to moderate effect
Hyjet	Unacceptable
Hyjet III	Unacceptable
Hyjet S	Unacceptable
Hyjet W	Unacceptable
Hypochlorous Acid	Unacceptable
Industron FF44	Acceptable
Industron FF48	Acceptable
Industron FF53	Acceptable
Industron FF80	Acceptable
Iodine	Minor to moderate effect
Iodine Pentafluoride	Unacceptable
Iodoform	Insufficient data
Isobutyl Alcohol	Minor to moderate effect
Iso-Butyl N-Butyrate	Unacceptable
Isododecane	Acceptable
Iso-Octane	Acceptable
Isophorone (Ketone)	Unacceptable
Isopropanol	Minor to moderate effect

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Isopropyl Acetate	Unacceptable
Isopropyl Alcohol	Minor to moderate effect
Isopropyl Chloride	Unacceptable
Isopropyl Ether	Minor to moderate effect
JP 3 (MIL-J-5624)	Acceptable
JP 4 (MIL-J-5624)	Acceptable
JP 5 (MIL-J-5624)	Acceptable
JP 6 (MIL-J-25656)	Acceptable
JP X (MIL-F-25604)	Acceptable
Kel F Liquids	Acceptable
Kerosene	Acceptable
Keystone #87HX-Grease	Acceptable
Lacquer Solvents	Unacceptable
Lacquers	Unacceptable
Lactams-Amino Acids	Unacceptable
Lactic Acid, Cold	Acceptable
Lactic Acid, Hot	Unacceptable
Lactic Acids	Acceptable
Lard, Animal Fats	Acceptable
Lavender Oil	Minor to moderate effect
Lead Acetate	Minor to moderate effect
Lead Nitrate	Acceptable
Lead Sulphamate	Minor to moderate effect
Lehigh X1169	Acceptable
Lehigh X1170	Acceptable
Light Grease	Acceptable
Ligroin (Petroleum Ether or Benzine)	Acceptable
Lime Bleach	Acceptable
Lime Sulphur	Unacceptable
Lindol, Hydraulic Fluid (Phosphate ester type)	Unacceptable
Linoleic Acid	Minor to moderate effect
Linseed Oil	Acceptable
Liquid Oxygen	Unacceptable
Liquid Petroleum Gas (LPG)	Acceptable
Liquimoly	Acceptable
Lubricating Oils, Di-ester	Minor to moderate effect
Lubricating Oils, Petroleum Base	Acceptable
Lubricating Oils, SAE 10, 20, 30, 40, 50	Acceptable
Lye Solutions	Minor to moderate effect
Magnesium Chloride	Acceptable
Magnesium Hydroxide	Minor to moderate effect

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Magnesium Salts	Acceptable
Magnesium Sulphate	Acceptable
Magnesium Sulphite	Acceptable
Malathion	Minor to moderate effect
Maleic Acid	Unacceptable
Maleic Anhydride	Unacceptable
Malic Acid	Acceptable
MCS 312	Unacceptable
MCS 352	Unacceptable
MCS 463	Unacceptable
Mercuric Chloride	Acceptable
Mercury	Acceptable
Mercury Vapors	Acceptable
Mesityl Oxide (Ketone)	Unacceptable
Methane	Acceptable
Methanol	Acceptable
Methyene Chloride	Unacceptable
Methyl Acetate	Unacceptable
Methyl Acetoacetate	Unacceptable
Methyl Acrylate	Unacceptable
Methyl Alcohol	Acceptable
Methyl Benzoate	Unacceptable
Methyl Bromide	Minor to moderate effect
Methyl Butyl Ketone	Unacceptable
Methyl Carbonate	Unacceptable
Methyl Cellosolve	Moderate to severe effect
Methyl Cellulose	Minor to moderate effect
Methyl Chloride	Unacceptable
Methyl Chloroformate	Unacceptable
Methyl Cyclopentane	Unacceptable
Methyl D-Bromide	Unacceptable
Methyl Ether	Acceptable
Methyl Ethyl Ketone (MEK)	Unacceptable
Methyl Ethyl Ketone Peroxide	Unacceptable
Methyl Formate	Unacceptable
Methyl Isobutyl Ketone (MIBK)	Unacceptable
Methyl Isopropyl Ketone	Unacceptable
Methyl Methacrylate	Unacceptable
Methyl Oleate	Unacceptable
Methyl Salicylate	Unacceptable
Methylacrylic Acid	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Methylene Dichloride	Unacceptable
MIL-A-6091	Minor to moderate effect
MIL-A-8243B	Acceptable
MIL-C-4339C	Acceptable
MIL-C-5545A	Minor to moderate effect
MIL-C-6529C	Minor to moderate effect
MIL-C-8188C	Minor to moderate effect
MIL-E-9500	Acceptable
MIL-F-16884	Acceptable
MIL-F-16929A	Acceptable
MIL-F-17111	Acceptable
MIL-F-19605	Acceptable
MIL-F-25172	Acceptable
MIL-F-25524A	Acceptable
MIL-F-25558B	Acceptable
MIL-F-25576C	Acceptable
MIL-F-25656B	Acceptable
MIL-F-5566	Minor to moderate effect
MIL-F-5602	Acceptable
MIL-F-7024A	Acceptable
MIL-G-10924B	Acceptable
MIL-G-15793	Acceptable
MIL-G-18709A	Acceptable
MIL-G-21568A	Acceptable
MIL-G-23827A	Acceptable
MIL-G-25013D	Acceptable
MIL-G-25537A	Acceptable
MIL-G-25760A	Minor to moderate effect
MIL-G-27343	Acceptable
MIL-G-27617	Unacceptable
MIL-G-3278	Minor to moderate effect
MIL-G-4343B	Minor to moderate effect
MIL-G-5572	Acceptable
MIL-G-7118A	Minor to moderate effect
MIL-G-7187	Acceptable
MIL-G-7421A	Minor to moderate effect
MIL-G-7711A	Acceptable
MIL-H-13862	Acceptable
MIL-H-13866A	Acceptable
MIL-H-13910B	Minor to moderate effect
MIL-H-13919A	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
MIL-H-19457B	Unacceptable
MIL-H-22072	Acceptable
MIL-H-22251	Minor to moderate effect
MIL-H-25598	Acceptable
MIL-H-27601A	Minor to moderate effect
MIL-H-46001A	Acceptable
MIL-H-46004	Acceptable
MIL-H-5559A	Acceptable
MIL-H-5606B	Acceptable
MIL-H-6083C	Acceptable
MIL-H-7083	Acceptable
MIL-H-7644	Minor to moderate effect
MIL-H-81019B	Acceptable
MIL-H-83282	Acceptable
MIL-H-8446B	Minor to moderate effect
MIL-I-27686D	Acceptable
MIL-I-8660B	Acceptable
MIL-J-5161F	Minor to moderate effect
MIL-J-5624, JP-3	Acceptable
MIL-J-5624G, JP-4	Acceptable
MIL-J-5624G, JP-5	Acceptable
Milk	Acceptable
MIL-L-10295A	Acceptable
MIL-L-10324A	Acceptable
MIL-L-11734B	Acceptable
MIL-L-14107B	Moderate to severe effect
MIL-L-15016	Acceptable
MIL-L-15017	Acceptable
MIL-L-15018B	Acceptable
MIL-L-15019C	Acceptable
MIL-L-15719A	Minor to moderate effect
MIL-L-16958A	Acceptable
MIL-L-17331D	Acceptable
MIL-L-17353A	Acceptable
MIL-L-17672B	Acceptable
MIL-L-18486A	Acceptable
MIL-L-19701	Acceptable
MIL-L-2104B	Acceptable
MIL-L-2105B	Acceptable
MIL-L-2108	Acceptable
MIL-L-21260	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
MIL-L-22396	Acceptable
MIL-L-23699A	Minor to moderate effect
MIL-L-25336B	Acceptable
MIL-L-25681C	Minor to moderate effect
MIL-L-25968	Acceptable
MIL-L-26087A	Acceptable
MIL-L-27694A	Acceptable
MIL-L-3150A	Acceptable
MIL-L-3503	Acceptable
MIL-L-3545B	Minor to moderate effect
MIL-L-46002	Acceptable
MIL-L-5020A	Acceptable
MIL-L-6081C	Acceptable
MIL-L-6082C	Acceptable
MIL-L-6085A	Minor to moderate effect
MIL-L-6086B	Acceptable
MIL-L-6387A	Minor to moderate effect
MIL-L-644B	Acceptable
MIL-L-7645	Minor to moderate effect
MIL-L-7808F	Minor to moderate effect
MIL-L-7870A	Acceptable
MIL-L-8383B	Acceptable
MIL-L-9000F	Acceptable
MIL-L-9236B	Minor to moderate effect
MIL-O-11773	Acceptable
MIL-P-12098	Minor to moderate effect
MIL-P-27402	Minor to moderate effect
MIL-P-46046A	Minor to moderate effect
MIL-S-3136B, Type I Fuel	Acceptable
MIL-S-3136B, Type II Fuel	Minor to moderate effect
MIL-S-3136B, Type III Fuel	Minor to moderate effect
MIL-S-3136B, Type IV	Acceptable
MIL-S-3136B, Type V	Acceptable
MIL-S-3136B, Type VI	Acceptable
MIL-S-3136B, Type VII	Acceptable
MIL-S-81087	Acceptable
MIL-T-9188B	Unacceptable
Minerals Oils	Acceptable
Mobil 24 DTE	Acceptable
Mobil Delvac 1100, 1110, 1120, 1130	Acceptable
Mobil HF	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Mobil Nyvac 20 and 30	Acceptable
Mobil Oil SAE 20	Acceptable
Mobil Velocite C	Acceptable
Mobilgas WA200, Type A, Automatic trans.flu	Acceptable
Mobiltherm 600	Acceptable
Mobilux	Acceptable
Mono Bromobenzene	Unacceptable
Mono Chlorobenzene	Unacceptable
Mono Ethanolamine	Unacceptable
Monomethyl Aniline	Unacceptable
Monomethyl Hydrazine	Minor to moderate effect
Monomethylether	Acceptable
Mononitrotoluene & Dinitrotoluene(40/60 Mix.)	Unacceptable
Monovinyl Acetylene	Acceptable
Mopar Brake Fluid	Moderate to severe effect
MUL-L-46000A	Acceptable
Mustard Gas	Insufficient data
Naptha	Moderate to severe effect
Napthalene	Unacceptable
Napthenic Acid	Minor to moderate effect
Natural Gas	Acceptable
Neatsfoot Oil	Acceptable
Neon	Acceptable
Neville Acid	Unacceptable
N-Heptane	Acceptable
N-Hexaldehyde	Unacceptable
N-Hexane-1	Minor to moderate effect
Nickel Acetate	Minor to moderate effect
Nickel Chloride	Acceptable
Nickel Salts	Acceptable
Nickel Sulfate	Acceptable
Niter Cake	Acceptable
Nitric Acid (1) 3 Molar	Unacceptable
Nitric Acid (1) Concentrated	Unacceptable
Nitric Acid (1) Inhibited Red Fuming (IRFNA)	Unacceptable
Nitric Acid (1) Red Fuming (RFNA)	Unacceptable
Nitric Acid Dilute	Unacceptable
Nitrobenzene	Unacceptable
Nitrobenzine	Insufficient data
Nitroethane	Unacceptable
Nitrogen	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Nitrogen (Textroxide (N2O4) (1)	Unacceptable
Nitromethane	Unacceptable
Nitropropane	Unacceptable
N-Octane	Minor to moderate effect
N-Pentane	Acceptable
N-Propyl Acetone	Unacceptable
O-A-548A	Acceptable
O-Chloronapthalene	Unacceptable
O-Chlorphenol	Unacceptable
Octachloro Toluene	Acceptable
Octadecane	Acceptable
Octyl Alcohol	Minor to moderate effect
O-Dichlorobenzene	Unacceptable
Oleic Acid	Moderate to severe effect
Oleum (Fuming Sulfuric Acid)	Unacceptable
Oleum Spirits	Minor to moderate effect
Olive Oil	Acceptable
Oronite 8200	Minor to moderate effect
Oronite 8515	Minor to moderate effect
Orthochloro Ethyl Benzene	Unacceptable
Ortho-Dichlorobenzene	Unacceptable
OS 45 Type III (OS45)	Minor to moderate effect
OS 45 Type IV (OS45-1)	Minor to moderate effect
OS 70	Minor to moderate effect
O-T-634b	Moderate to severe effect
Oxalic Acid	Minor to moderate effect
Oxygen, Cold	Minor to moderate effect
Oxygen, Cold 200-400 F	Unacceptable
Ozone	Unacceptable
Paint Thinner- Duco	Unacceptable
Palmitic Acid	Acceptable
Para-dichlorobenzene	Unacceptable
Par-al-Ketone	Unacceptable
Parker O Lube	Acceptable
P-Cymene	Unacceptable
P-D-680	Acceptable
P-Dichlorobenzene	Unacceptable
Peanut Oil	Acceptable
Pentane, 2 Methyl	Acceptable
Pentane, 3 Methyl	Acceptable
Pentane,2-4 dimethyl	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Perchloric Acid	Unacceptable
Perchloroethylene	Moderate to severe effect
Petroleum Oil, Above 250 F	Unacceptable
Petroleum Oil, Below 250 F	Acceptable
Petroleum Oil, Crude	Acceptable
Phenol	Unacceptable
Phenol, 70%/30% H2O	Unacceptable
Phenol, 85%/15% H2O	Unacceptable
Phenyl Ethyl Ether	Unacceptable
Phenyl Hydrazine	Unacceptable
Phenylbenzene	Unacceptable
Phorone	Unacceptable
Phosphoric Acid 20%	Unacceptable
Phosphoric Acid 45%	Unacceptable
Phosphoric Acid, 3 Molar	Unacceptable
Phosphoric Acid, Concentrated	Unacceptable
Phosphorous Trichloride	Unacceptable
Pickling Solution	Unacceptable
Picric Acid, H2O Solution	Minor to moderate effect
Picric Acid, Molten	Minor to moderate effect
Pine Oil	Minor to moderate effect
Pinene	Minor to moderate effect
Piperidine	Unacceptable
Plating Solutions, Chrome	Insufficient data
Plating Solutions, Others	Acceptable
Pneumatic Service	Acceptable
Polyvinyl Acetate Emulsion	Insufficient data
Potassium Acetate	Minor to moderate effect
Potassium Chloride	Acceptable
Potassium Cupro Cyanide	Acceptable
Potassium Cyanide	Acceptable
Potassium Dichromate	Acceptable
Potassium Hydroxide	Minor to moderate effect
Potassium Nitrate	Acceptable
Potassium salts	Acceptable
Potassium Sulphate	Acceptable
Potassium Sulphite	Acceptable
Prestone Antifreeze	Acceptable
PRL-High Temp. Hydro. Oil	Minor to moderate effect
Producer Gas	Acceptable
Propane	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Propane Propionitrile	Acceptable
Propyl Acetate	Unacceptable
Propyl Alcohol	Acceptable
Propyl Nitrate	Unacceptable
Propylene	Unacceptable
Propylene Oxide	Unacceptable
P-S-661b	Acceptable
Pydraul ,115 E	Unacceptable
Pydraul, 10E, 29ELT	Unacceptable
Pydraul, 230E, 312C, 540C	Unacceptable
Pydraul, 30E,50E, 65E, 90E	Unacceptable
Pyranol	Acceptable
Pyranol, Transformer oil	Acceptable
Pyridine Oil	Unacceptable
Pyrogard 42, 43, 53, 55 (Phosphate Ester)	Unacceptable
Pyrogard, C, D	Acceptable
Pyroligneous Acid	Unacceptable
Pyrolube	Unacceptable
Pyrrole	Unacceptable
Radiation	Moderate to severe effect
Rapeseed Oil	Minor to moderate effect
Red Line 100 Oil	Acceptable
Red Oil (MIL-H-5606)	Acceptable
RJ-1 (MIL-F-25558)	Acceptable
RP-1 (MIL-R-25576)	Acceptable
Sal Ammoniac	Acceptable
Salicylic Acid	Minor to moderate effect
Salt Water	Acceptable
Santo Safe 300	Unacceptable
Sewage	Acceptable
Shell Alvania Grease #2	Acceptable
Shell Carnea 19 and 29	Acceptable
Shell Diala	Acceptable
Shell Iris 3XF Mine Fluid (Fire resist. Hydro.)	Acceptable
Shell Iris 905	Acceptable
Shell Iris Tellus #27, Pet. Base	Acceptable
Shell Iris Tellus #33	Acceptable
Shell Iris UMF (5% Aromatic)	Acceptable
Shell Lo Hydrax 27 and 29	Acceptable
Shell Macoma 72	Acceptable
Silicate Esters	Minor to moderate effect

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Silicone Greases	Acceptable
Silicone Oils	Acceptable
Silver Nitrate	Minor to moderate effect
Sinclair Opaline CX-Ep Lube	Acceptable
Skelly, Solvent B, C, E	Acceptable
Skydrol 500	Unacceptable
Skydrol 7000	Unacceptable
Soap Solutions	Acceptable
Socony Mobile Type A	Acceptable
Socony Vacuum AMV AC781 (Grease)	Acceptable
Socony Vacuum PD959B	Acceptable
Soda Ash	Acceptable
Sodium Acetate	Minor to moderate effect
Sodium Bicarbonate (Baking Soda)	Acceptable
Sodium Bisulfite	Acceptable
Sodium Borate	Acceptable
Sodium Carbonate (Soda Ash)	Acceptable
Sodium Chloride	Acceptable
Sodium Cyanide	Acceptable
Sodium Hydroxide	Minor to moderate effect
Sodium Hypochlorite	Minor to moderate effect
Sodium Metaphosphate	Acceptable
Sodium Nitrate	Minor to moderate effect
Sodium Perborate	Minor to moderate effect
Sodium Peroxide	Minor to moderate effect
Sodium Phosphate (Dibasic)	Acceptable
Sodium Phosphate (Mono)	Acceptable
Sodium Phosphate (Tribasic)	Acceptable
Sodium Salts	Acceptable
Sodium Silfite	Acceptable
Sodium Silicate	Acceptable
Sodium Sulphate	Acceptable
Sodium Sulphide	Acceptable
Sodium Thiosulfate	Minor to moderate effect
Sovasol #1, 2, and 3	Acceptable
Sovasol #73 and 74	Minor to moderate effect
Soybean Oil	Acceptable
Spry	Acceptable
SR-10 Fuel	Acceptable
SR-6 Fuel	Minor to moderate effect
Standard Oil Mobilube GX90-EP Lube	Acceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Stannic Chloride	Acceptable
Stannic Chloride 50%	Acceptable
Stannous Chloride	Acceptable
Stauffer 7700	Minor to moderate effect
Steam, Above 350 F	Unacceptable
Steam, Below 350 F	Unacceptable
Stearic Acid	Minor to moderate effect
Stoddard Solvent	Acceptable
Styrene	Unacceptable
Styrene (Monomer)	Unacceptable
Sucrose Solutions	Acceptable
Sulfite Liquors	Minor to moderate effect
Sulfur	Unacceptable
Sulfur Chloride	Unacceptable
Sulfur Dioxide, Dry	Unacceptable
Sulfur Dioxide, Liquidified under pressure	Unacceptable
Sulfur Dioxide, Wet	Unacceptable
Sulfur Hexafluoride	Minor to moderate effect
Sulfur Liquors	Minor to moderate effect
Sulfur Molten	Unacceptable
Sulfur Trioxide	Unacceptable
Sulfuric Acid 20% Oleum	Unacceptable
Sulfuric Acid 3 Molar	Unacceptable
Sulfuric Acid Concentrated	Unacceptable
Sulfuric Acid Dilute	Unacceptable
Sulfurous Acid	Minor to moderate effect
Sunoco #3661	Acceptable
Sunoco All purpose grease	Acceptable
Sunoco SAE 10	Acceptable
Sunsafer (Fire resist. Hydr. Fluid)	Acceptable
Super Shell Gas	Acceptable
Swan Finch EP Lube	Acceptable
Swan Finch Hypoid-90	Acceptable
Tannic Acid	Acceptable
Tannic Acid, 10%	Acceptable
Tar Bituminous	Minor to moderate effect
Tartaric Acid	Acceptable
Terpineol	Minor to moderate effect
Tertiary Butyl Alcohol	Minor to moderate effect
Tertiary Butyl Catechol	Unacceptable
Tertiary Butyl Mercaptan	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Tetrabromomethane	Unacceptable
Tetrabutyl Titanate	Minor to moderate effect
Tetrachloroethylene	Unacceptable
Tetraethyl Lead	Minor to moderate effect
Tetraethyl Lead "Blend"	Minor to moderate effect
Tetrahydrofuran	Unacceptable
Tetralin	Unacceptable
Texaco 3450 Gear Oil	Acceptable
Texaco Capella A and AA	Acceptable
Texaco Meropa #3	Acceptable
Texaco Regal B	Acceptable
Texaco Uni-Temp. Grease	Acceptable
Texamatic 1581 Fluid	Acceptable
Texamatic 3401 Fluid	Acceptable
Texamatic 3525 Fluid	Acceptable
Texamatic 3528 Fluid	Acceptable
Texas 1500 Oil	Acceptable
Thiokol TP-90B	Unacceptable
Thiokol TP-95	Unacceptable
Thionyl Chloride	Insufficient data
Tidewater Oil-Beedol	Acceptable
Tidewater-Oil-Multigear 140, EP Lube	Acceptable
Titanium Tetrachloride	Moderate to severe effect
Toluene	Unacceptable
Toluene Diisocyanide	Unacceptable
Transformer Oil	Acceptable
Transmission Fluid Type A	Acceptable
Triacetin	Minor to moderate effect
Triaryl Phosphate	Unacceptable
Tributoxyethyl Phosphate	Unacceptable
Tributyl Mercaptan	Unacceptable
Tributyl Phosphate	Unacceptable
Trichloroacetic Acid	Minor to moderate effect
Trichloroethane	Unacceptable
Trichloroethylene	Moderate to severe effect
Tricresyl Phosphate	Unacceptable
Triethanol Amine	Moderate to severe effect
Triethyl Aluminum Triethyl Borane	Insufficient data
Trifluoroethane	Unacceptable
Trinitrotoluene	Unacceptable
Trioctyl Phosphate	Unacceptable

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Tripoly Phosphate	Unacceptable
TT-I-735b	Acceptable
TT-N-95a	Acceptable
TT-N-97B	Minor to moderate effect
TT-S-735, Type I	Acceptable
TT-S-735, Type II	Acceptable
TT-S-735, Type III	Acceptable
TT-S-735, Type IV	Acceptable
TT-S-735, Type V	Acceptable
TT-S-735, Type VI	Acceptable
TT-T-656b	Unacceptable
Tung Oil (China Wood Oil)	Acceptable
Turbine Oil	Minor to moderate effect
Turbine Oil #15 (MIL-L-7808A)	Minor to moderate effect
Turbo Oil #35	Acceptable
Turpentine	Acceptable
Type I Fuel (MIL-S-3136)	Acceptable
Type II Fuel (MIL-S-3136)	Minor to moderate effect
Type III Fuel (MIL-S-3136)	Acceptable
Ucon Hydrolube J-4	Acceptable
Ucon Lubricant 50-HB100	Acceptable
Ucon Lubricant 50-HB260	Acceptable
Ucon Lubricant 50-HB5100	Acceptable
Ucon Lubricant 50-HB55	Acceptable
Ucon Lubricant 50-HB660	Acceptable
Ucon Lubricant LB-1145	Acceptable
Ucon Lubricant LB-135	Acceptable
Ucon Lubricant LB-285	Acceptable
Ucon Lubricant LB-300	Acceptable
Ucon Lubricant LB-625	Acceptable
Ucon Lubricant LB-65	Acceptable
Ucon Oil 50-HB-280X (Polyacrylon Glycol De	Acceptable
Ucon Oil LB-385	Acceptable
Ucon Oil LB-400X	Acceptable
Univis 40 (Hydr. Fluid)	Acceptable
Univolt #35 (Mineral Oil)	Acceptable
Unsymmetrical Dimethyl Hydrazine (UDMH)	Minor to moderate effect
Varnish	Minor to moderate effect
Vegetable Oil	Acceptable
Versilube	Acceptable
Vinegar	Minor to moderate effect

## Petol Flange Deflector Chemical Compatibility

Chemical	Compatibility
Vinyl Chloride W	Insufficient data
VV-B-680	Minor to moderate effect
VV-G-632	Acceptable
VV-G-671c	Acceptable
VV-H-910	Moderate to severe effect
VV-I-530a	Acceptable
VV-K-211d	Acceptable
VV-K-220a	Acceptable
VV-L-751b	Minor to moderate effect
VV-L-800	Acceptable
VV-L-800	Acceptable
VV-L-820b	Acceptable
VV-L-825a, Type I	Acceptable
VV-L-825a, Type II	Acceptable
VV-L-825a, Type III	Minor to moderate effect
VV-O-526	Acceptable
VV-P-216a	Acceptable
VV-P-236	Minor to moderate effect
Wagner 21B Brake Fluid	Moderate to severe effect
Water	Acceptable
Wemco C	Acceptable
Whiskey and Wines	Acceptable
White Oil	Acceptable
White Pine Oil	Minor to moderate effect
Wolmar Salt	Acceptable
Wood Alcohol	Acceptable
Wood Oil	Acceptable
Xenon	Acceptable
Xylene	Unacceptable
Xylidenes-Mixed-Aromatic-Amines	Moderate to severe effect
Xylol	Unacceptable
Zeolites	Acceptable
Zinc Acetate	Minor to moderate effect
Zinc Chloride	Acceptable
Zinc Salts	Acceptable
Zinc Sulfate	Acceptable