

Chemical Compatibility Information

Inline diagphram type check valves, all types of filters, self-sealing check valves, ball type check valves, and spring loaded check valves are all products that can, and typically do, contain multiple types of different materials. The chemical compatibility of the whole product is limited to those chemicals which are compatible with all of the materials present in the product. Pneuline has compiled an extensive list of various chemical compatibility ratings for the different materials that we use to manufacture our products, and have provided a list of chemical compatibility ratings for each specific product based on the materials used in that product.

The rating system is as follows:

- A = Excellent -- The product is fully compatible with the chemical and is recommended for continuous use within the normal operating parameters of the product (temprature, pressure, etc).
- **B = Adequate** -- The chemical causes a minor effect to the product, slight corrosion or discoloration, minor loss in performance or slightly shortened operating lifespan.
- C = Not Ideal -- The chemical has a pronounced effect on the product and will degrade it. Material softening, swelling, loss of strength, corrosion, and discoloration may occur. Use only for limited timespans and replace often.
- **D = Severe Effect** -- The chemical has a severe adverse affect on the product and will likely destroy it. Not reccomended for use.
- N/A = No Data Available -- One or more of the materials in the product has an unknown compatibility with the chemical.



| Acetaldehyde C Barium Carbonate A Acetamide D Barium Chloride A Acetic Acid B Barium Hydroxide D Acetic Acid 20% A Barium Hydroxide D Acetic Acid 20% A Barium Sulfate D Acetic Acid 20% B Barium Hydroxide D Acetic Acid 80% B Barium Sulfate D Acetic Acid, Glacial B B Beer A Acetic Anhydride D Benzaldehyde D Benzaldehyde D Acetyl Chloride (dry) D Benzol D Benzol D Acetylene D Benzol D Benzol D Alcohols: Butyl B B Butane D Alcohols: Ethyl B B Butane D Alcohols: Methyl B B Butane D Aluminum Chloride 20% A Butyl Amine D Aluminum Pothoride 20% A Butyl Amine D Aluminum Potassium Sulfate 10% A Butyl Amine D Aluminum Potassium Sulfate 10% A Calcium Bisulfite D Aluminum Potassium Sulfate 10% A Calcium Hydroxide D Amines D Calcium Hydroxide D Ammonia, anhydrous D Calcium Nitrate A Calcium Hydroxide D Carbon Disulfide D Ammonium Chloride A Carbon Disulfide D Carbon Disulfide D Ammonium Phosphate, Dibasic A Carbon Disulfide D Ammonium Hydroxide D Carbon Disulfide D Ammonium Hydroxide D Carbon Disulfide D Carbon Disulfide D Ammonium Hydroxide D Carbon Disulfide D Carbon Disulfide D Ammonium Hydroxide D Carbon Disulfide D | Chemical Substance | Rating | Chemical Substance | Rating |
|--|---|--------|---------------------------------------|--------|
| Acetic Acid Acetic Acid B Acetic Acid B Barium Hydroxide D Acetic Acid 20% A A Barium Mitrate D Acetic Acid 20% A B Barium Mitrate D Acetic Acid 80% B Barium Sulfate D Acetic Acid 80% B Barium Sulfate D Acetic Acid, Glacial B Beer A A Cetic Anhydride D Benzaldehyde D Acetone D Acetyl Chloride (dry) D Benzoic Acid D Acetyl Chloride (dry) D Benzoic Acid D Acetylene D Alcohols: Amyl B B BB Bromine D Alcohols: Butyl B BB Bromine D Alcohols: Ethyl B BB Butadiene D Alcohols: Ethyl B BB Butanol (Butyl Alcohol) B Alcohols: Methyl B BB Buttermilk A Aluminum Chloride 20% A BB Butyl acetate D Aluminum Hydroxide B BB Butyl acetate D Aluminum Potassium Sulfate 10% A BB Butyl acetate D Aluminum Potassium Sulfate 10% A Calcium Bisulfite D Aluminum Sulfate A Calcium Hydroxide D Aluminum Sulfate D Aluminum Sulfate D Ammonia 10% C C Aluminum Sulfate D C Calcium Hydroxide D Ammonia, liquid D Carbon ic Acid A Carbon Disulfate D Ammonium Hydroxide D Carbon Tetrachloride D Ammonium Hydroxide D Ammonium Hydroxide D Carbon Tetrachloride D Ammonium Sulfate D Ammonium Hydroxide D Carbon Tetrachloride D Ammonium Hydroxide D Chloronecetic Acid D Aqua Regia (80% HCI, 20% HNO3) D Chlorobenzene (Mono) D Chlorobersene (Mono) D Ch | Acetaldehyde | С | Barium Carbonate | A |
| Acetic Acid | • | | | Α |
| Acetic Acid 20% Acetic Acid 80% B Acetic Acid, Glacial B Beer A Acetic Acid, Glacial B Acetic Achydride D Acetone D Acetone D Benzolc Acid D Acetylene D Acetylene D Alcohols: Amyl B B B B B B B B B B B B B B B B B B B | | | | |
| Acetic Acid 80% Acetic Acid, Glacial | Acetic Acid 20% | Ā | | D |
| Acetic Acid, Glacial B Beer Acetic Anhydride D Benzaldehyde D Acetone D Benzane D Benzane D Acetyl Chloride (dry) D Benzone D Benzone D Acetyl Chloride (dry) D Benzone D Benzone D Acetylene D Benzol D Benzol D Benzol D Acetylene D Benzol D D Benzol D Benzol D Benzol D Benzol D Benzol D Benzol D D Benzol D Benzol D Benzol D Benzol D Benzol D D Benzol D Benzol D D Benzol D D Benzol D Benzol D D Ben | | | | D |
| Acetic Anhydride D Benzaldehyde D Acetone D Benzene D Acetyl Chloride (dry) D Benzoic Acid D Acetylene D Benzol D Benzol D Benzol D D Alcohols: Amyl B B Bromine D Alcohols: Butyl B B Butadiene D D Alcohols: Ethyl B B Butane D D Alcohols: Isopropyl A B Butane D D Alcohols: Isopropyl A B Butane D D Alcohols: Isopropyl B B Butane D D Alcohols: Methyl B B Buttermilk A B Aluminum Chloride 20% A Buttyl Amine D D Aluminum Pydroxide B Butyl Amine D D Aluminum Nitrate A Butyl Acetate D D Aluminum Nitrate A Butyl Acetate D D Aluminum Potassium Sulfate 10% A Calcium Bisulfite D D Aluminum Potassium Sulfate 100% A Calcium Bisulfite D D Amines D Calcium Hydroxide D D Amines D Calcium Hydroxide D Calcium Nitrate A A Calcium Hydroxide D D Ammonia 10% D Calcium Nitrate A Calcium Sulfate D D Calcium Nitrate D Calcium Nitrate D Carbonic Acid (Phenol) D D Carbonium Phydroxide D D Carbonium Phydroxide D D Carbonium Chloride D D Carbonium Phydroxide D D Carbonium Phydroxide D D Carbonium Phydroxide D D Carboni Cacid M A Carbonium Phosphate, Dibasic A Carbonic Acid A Carbonic Acid A Ammonium Phosphate, Dibasic A Carbonic Acid A Carbonium Phosphate, Dibasic A Carbonium Phydroxide D Chlorine Water C CAmyl Alcohol B Chlorine Water C CAmyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chlorocetic Acid D Chloroform D D Arsenic Acid A Chlorine Mono) D Chloroform D D Arsenic Acid | | B | Beer | Ā |
| Acetone D Benzene D Benzene D Acetyl Chloride (dry) D Benzoic Acid D Acetylene D Benzoic Acid D Acetylene D Benzoic Acid D Benzoic Acid D Acetylene D Benzoic Acid D Benzoic Acid D Benzoic Acid D Acetylene D Benzoic Acid D Carboic Acid A CAlorine Mater D CArboic Acid D CArboic Acid D CArboic Acid A CAlorine Acid D CArboic Acid D CArboic Acid A CAlorine Acid D CArboic Acid D CArboic Acid A CAlorine CACid D CArboic Acid D CArboic Acid A CAlorine CACid D CArboic Acid D CArb | • | | | |
| Acetyl Chloride (dry) Acetylene D Acetylene D Benzol D Benzol D Acetylene D Benzol Benzol D Calcium Sulfale D Calcium Sulfale D Calcium Hydroxide D Carbon Tetrachloride D Ammonium Chloride D Ammonium Bulfate A Carbonic Acid A Carbonic Acid A A Calcium Benzol Chlorine (dry) D Anull Acetate D Chlorine (dry) D Anull Acetate D Chlorine (dry) D Arsenic Acid D Chlorocetic Acid D Chlorocetic Acid D Aqua Regia (80% HCI, 20% HNO3) D Arsenic Acid A Chloriforom D Chloroforom D | • | | • | |
| Acetylene D Benzol D Alcohols: Amyl B Bromine D Alcohols: Amyl B Bromine D Alcohols: Butyl B B Butadiene D D Alcohols: Ethyl B B Butane D D Alcohols: Isopropyl A B Butane D D Alcohols: Isopropyl A Butanol (Butyl Alcohol) B Alcohols: Methyl B B Buttermilk A A Butyl Amine D Aluminum Chloride 20% A Butyl Amine D Aluminum Hydroxide B B Butyl acetate D D Aluminum Nitrate A Butyl acetate D D Aluminum Potassium Sulfate 10% A Butyl acetate D D Aluminum Potassium Sulfate 10% A Calcium Bisulfite D D Aluminum Potassium Sulfate 100% A Calcium Carbonate C C Aluminum Sulfate A Calcium Hydroxide D D Calcium Hydroxide D D Calcium Nitrate A Calcium Nitrate A Calcium Nitrate A Calcium Nitrate D D Calcium Sulfate A Calcium Sulfate D Calcium Sulfate D Calcium Sulfate A Carbon Disulfide D Carbonic Acid (Phenol) D Carbonic Acid (Phenol) D Carbonium Phosphate, Dibasic A Carbon Tetrachloride D Carbonic Acid A Ammonium Phosphate, Dibasic A Carbonic Acid A Carbonic Acid A Calcium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C CAnyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chlorocetic Acid D Chlorocetic Acid D Arsenic Acid A Chloroform D D Arsenic Acid | | D | | |
| Alcohols: Amyl Alcohols: Butyl B B Butadiene D Alcohols: Ethyl B B Butane D Alcohols: Isopropyl A A Butane B Butane B Butane B Butane D Alcohols: Isopropyl A B Butane B B Butane B Butane B B Butane B B Butane B B Butane B A B Butane B A B Butyl Amine D C Aluminum Hydroxide B B Butyl Amine A Butyl Amine B C Aluminum Potassium Sulfate 10% A A Calcium Bisulfite D Calcium Bisulfite D Calcium Hydroxide D Calcium Hydroxide D Calcium Hydroxide D Calcium Hypochlorite D Calcium Nitrate A A Calcium Nitrate A A Calcium Sulfate A Calcium Sulfate A Calcium Nitrate A Calcium Nitrate A Calcium Nitrate A Carbonia 10% A Carbonia 10% A Carbonia Sulfate A Carbon Disulfide D Carbon Tetrachloride D Camonium Hydroxide D Carbon Tetrachloride D Carbonium Acid A Ammonium Phosphate, Dibasic A Carbonia Acid A Carbonia Calcium A Carbonia Calcium A Ammonium Sulfate D Carbonia Calcium A Carbonia Calcium Calc | • | | | |
| Alcohols: Butyl Alcohols: Ethyl B B Butane B Butane D Alcohols: Isopropyl A A Butanol (Butyl Alcohol) B Alcohols: Methyl B B Buttermilk A A Aluminum Chloride 20% A A Butyl Amine D Aluminum Nitrate B Butyl acetate D Aluminum Potassium Sulfate 10% A A Butyric Acid D Aluminum Potassium Sulfate 10% A Calcium Bisulfite D Aluminum Sulfate D Calcium Garbonate C C Aluminum Sulfate A Calcium Hydroxide D Calcium Hydroxide D Calcium Hydroxide D Calcium Hydroxide D Calcium Nitrate A A Calcium Sulfate A A Calcium Hydroxide D Calcium Nitrate A A Calcium Sulfate A A Calcium Nitrate A A Calcium Nitrate A A Calcium Nitrate A Carbonic Acid (Phenol) D Carbonium Chloride A A Carbon Disulfide D Carbonium Phosphate, Dibasic A Carbonium Phosphate, Dibasic A Carbonium Sulfate A Carbonic Acid D Chlorine (dry) D Chloroacetic Acid D Chloroacetic Acid D Chlorobenzene (Mono) D Criboroform D | | B | | |
| Alcohols: Ethyl B Butane D D Alcohols: Isopropyl A Butanol (Butyl Alcohol) B B Alcohols: Methyl B Buttermilk A Buttermilk A Buttermilk A Buttermilk A Butyl Amine D BAluminum Chloride 20% A Butyl Amine D Butyl Amine D BAluminum Hydroxide B Butyl acetate D BAluminum Nitrate A Butyric Acid D BAluminum Potassium Sulfate 10% A Calcium Bisulfite D BAluminum Potassium Sulfate 10% A Calcium Carbonate C BAluminum Sulfate D BAluminum Sulfate BAluminum Hydroxide BAluminum Hydroxide BAluminum Hydroxide BAluminum Phosphate, Dibasic BAluminum Phosphate, Dibasic BAluminum Phosphate, Dibasic BAluminum Sulfate BAlum | | | | |
| Alcohols: Isopropyl Alcohols: Methyl B Alcohols: Methyl B B Buttermilk A A A A A Butyl Amine D B Butyl acetate D B Butyl acetate D A Butyl acetate D C Alcium Nitrate A Butyric Acid D C Alcium Bisulfite D A A Calcium Bisulfite D Calcium Carbonate C C Aluminum Sulfate A A Calcium Hydroxide D Calcium Hydroxide D Calcium Hypochlorite D Ammonia 10% D Calcium Nitrate A A A A A Calcium Sulfate A A A A A A A A A A A A A A A A A A A | | B | Butane | |
| Alcohols: Methyl B Buttermilk A Buttyl Amine D Aluminum Chloride 20% A Butyl Amine D Aluminum Hydroxide B Butyl acetate D Aluminum Hydroxide A Butyric Acid D Aluminum Potassium Sulfate 10% A Calcium Bisulfite D Aluminum Potassium Sulfate 10% A Calcium Carbonate C Aluminum Sulfate 100% A Calcium Hydroxide D Amines D Calcium Hydroxide D Calcium Hydroxide D Calcium Nitrate A A Calcium Nitrate A A Calcium Sulfate A A Calcium Sulfate A A Calcium Nitrate D Calcium Sulfate A A Calcium Sulfate A A Calcium Sulfate D Carbolic Acid (Phenol) D Carbon Carbon Disulfide D Carbon Calcium Sulfate A Carbon Disulfide D Carbon Tetrachloride D Carbon Disulfide D Carbon Calcium Calcium Sulfate D Carbon Calcium Calcium Carbon Disulfide D Carbon Calcium Carbon D Carbon Calcium Carbon Calcium Carbon D Chlorine (dry) D Chlorine (dry) D Chlorine (dry) D Chlorine Water C CAMPI Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Chloroacetic Acid D Arsenic Acid A Chloroform D Chloroacetic Acid D Chloroform D Chloroacetic Acid D Chloroform D Chloroacetic Acid D Chloroform D Chloroacetic Acid Chloroa | | Α | Butanol (Butyl Alcohol) | |
| Aluminum Chloride 20% Aluminum Hydroxide B B Butyl acetate D Aluminum Nitrate A Butyric Acid D Aluminum Potassium Sulfate 10% A A Calcium Bisulfite D Aluminum Potassium Sulfate 100% A Calcium Carbonate C Calcium Hydroxide D Calcium Hydroxide D Calcium Hydroxide D Calcium Hypochlorite D Calcium Nitrate A A Ammonia 10% D Calcium Sulfate A Calcium Sulfate A A Calcium Hypochlorite D Carbonic Acid (Phenol) D Carbonic Acid (Phenol) D Carbonic Acid (Phenol) D Carbonic Acid Carbon Disulfide D Carbonic Acid A Ammonium Hydroxide D Carbonic Acid A Chlorine Water C C C C C C C C C C C C C C C C C C C | | В | · · · · · · · · · · · · · · · · · · · | |
| Aluminum Hydroxide B Butyl acetate D Aluminum Nitrate A Butyric Acid D Aluminum Potassium Sulfate 10% A Calcium Bisulfite D Aluminum Potassium Sulfate 100% A Calcium Bisulfite D Aluminum Sulfate 100% A Calcium Carbonate C Aluminum Sulfate A Calcium Hydroxide D Amines D Calcium Hypochlorite D Ammonia 10% D Calcium Nitrate A A Ammonia, anhydrous D Calcium Sulfate A Ammonia, liquid D Carbolic Acid (Phenol) D Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide D Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Arsenic Acid A Chloroform D | | Α | | D |
| Aluminum Nitrate Aluminum Potassium Sulfate 10% Aluminum Potassium Sulfate 100% Aluminum Potassium Sulfate 100% Aluminum Potassium Sulfate 100% Aluminum Sulfate Aluminum Sulfate Aluminum Alu | Aluminum Hydroxide | В | • | D |
| Aluminum Potassium Sulfate 10% Aluminum Potassium Sulfate 100% A Calcium Bisulfite C Calcium Carbonate C Calcium Hydroxide D Calcium Hydroxide D Calcium Hypochlorite D Calcium Nitrate A Calcium Nitrate A Calcium Sulfate A Calcium Sulfate A Calcium Nitrate A Calcium Sulfate A Calcium Sulfate A Carbonic Acid (Phenol) D Carbolic Acid (Phenol) D Carbonic Acid (Phenol) D Carbon Disulfide D Carbon Disulfide D Carbon Tetrachloride D Carbonic Acid A Carbonium Phosphate, Dibasic A Carbonic Acid A Carbonic Acid A Chlorine (dry) D Chlorine Water Amyl Acetate D Chlorine Water C CAMILIANA Aniline D Chloroacetic Acid D Chloroacetic Acid D Chlorobenzene (Mono) D Chloroform D Chloroform | • | Α | | D |
| Aluminum Sulfate A Calcium Hydroxide D Amines D Calcium Hypochlorite D Ammonia 10% D Calcium Nitrate A Ammonia, anhydrous D Calcium Sulfate A Ammonia, liquid D Carbolic Acid (Phenol) D Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide D Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Arsenic Acid A Chloroform D | Aluminum Potassium Sulfate 10% | Α | • | |
| Amines D Calcium Hypochlorite D Calcium Nitrate A Calcium Nitrate A Ammonia 10% D Calcium Nitrate A Ammonia, anhydrous D Calcium Sulfate A Carbolic Acid (Phenol) D Carbolic Acid (Phenol) D Carbonic Acid (Phenol) D Carbon Disulfide D Carbon Disulfide D Carbon Tetrachloride D Carbon Tetrachloride D Carbonic Acid A Chlorine (dry) D Chlorine Water C CAmyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Chloroacetic Acid D Chlorobenzene (Mono) D Chlorobenzene (Mono) D Chloroform D Chloroform D | Aluminum Potassium Sulfate 100% | Α | Calcium Carbonate | С |
| Amines D Calcium Hypochlorite D Ammonia 10% D Calcium Nitrate A A Calcium Nitrate A A Ammonia, anhydrous D Calcium Sulfate A Ammonia, liquid D Carbolic Acid (Phenol) D Carbolic Acid (Phenol) D Carbonic Acid (Phenol) D Carbonic Acid Carbon Disulfide D Carbon Tetrachloride D Carbonic Acid D Carbonic Acid A Carbonic Acid Carbonic Acid Carbonic Acid A Carbonic Acid D Chlorine Water C CAmyl Alcohol B Chlorine Water C CAmyl Alcohol B Chloroacetic Acid D Chloroacetic Acid D Chloroacetic Acid D Chlorobenzene (Mono) D Chlorobenzene (Mono) D Chloroform D Chloroform D | Aluminum Sulfate | Α | Calcium Hydroxide | D |
| Ammonia, anhydrous Ammonia, liquid D Carbolic Acid (Phenol) D Ammonium Chloride A A Ammonium Hydroxide D Ammonium Phosphate, Dibasic A A Ammonium Sulfate A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C Anyl Alcohol Aniline D Chloroacetic Acid D Arsenic Acid A Chloroform D Chloroform D | Amines | D | • | D |
| Ammonia, liquid D Carbolic Acid (Phenol) D Ammonium Chloride A Carbon Disulfide D Carbon Tetrachloride D Carbon Tetrachloride D Carbon Tetrachloride D Carbonic Acid A Carbonic Acid A Carbonic Acid A Carbonic Acid A Chlorine (dry) D Ammonium Sulfate A Chlorine (dry) D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Aqua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Ammonia 10% | D | Calcium Nitrate | Α |
| Ammonia, liquid D Carbolic Acid (Phenol) D Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide D Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Aqua Regia (80% HCl, 20% HNO3) D Chloroform D | Ammonia, anhydrous | D | Calcium Sulfate | Α |
| Ammonium Hydroxide D Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Aqua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | | D | Carbolic Acid (Phenol) | D |
| Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Aqua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Ammonium Chloride | Α | Carbon Disulfide | D |
| Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Aqua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Ammonium Hydroxide | D | Carbon Tetrachloride | D |
| Amyl Acetate D Chlorine Water C Amyl Alcohol B Chlorine, Anhydrous Liquid N/A Aniline D Chloroacetic Acid D Aqua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | | Α | Carbonic Acid | Α |
| Amyl AlcoholBChlorine, Anhydrous LiquidN/AAnilineDChloroacetic AcidDAqua Regia (80% HCl, 20% HNO3)DChlorobenzene (Mono)DArsenic AcidAChloroformD | Ammonium Sulfate | Α | Chlorine (dry) | D |
| Aniline D Chloroacetic Acid D Aqua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Amyl Acetate | D | Chlorine Water | С |
| Aqua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Amyl Alcohol | В | Chlorine, Anhydrous Liquid | N/A |
| Arsenic Acid A Chloroform D | Aniline | D | Chloroacetic Acid | D |
| Arsenic Acid A Chloroform D | Aqua Regia (80% HCl, 20% HNO3) | D | Chlorobenzene (Mono) | D |
| Asphalt D Chlorosulfonic Acid D | | Α | | D |
| | Asphalt | D | Chlorosulfonic Acid | D |



| Chemical Substance | Rating | Chemical Substance | Ratino |
|---------------------------------|--------|---------------------------|--------|
| Chocolate Syrup | Α | Ferric Sulfate | Α - |
| Chromic Acid 10% | В | Ferrous Chloride | N/A |
| Chromic Acid 30% | С | Ferrous Sulfate | Á |
| Chromic Acid 5% | В | Fluorine | D |
| Chromic Acid 50% | D | Fluorosilicic Acid | В |
| Chromic Acid 80% | D | Formaldehyde 100% | В |
| Cider | Α | Formaldehyde 40% | В |
| Citric Acid | Α | Formic Acid | Α |
| Copper Cyanide | D | Fuel Oils | D |
| Copper Nitrate | D | Furfural (Furfuraldehyde) | D |
| Copper Sulfate (more than 5%) | Α | Gasoline (high-aromatic) | D |
| Copper Sulfate 5% | Α | Gasoline, leaded, ref. | D |
| Cresols | D | Gasoline, unleaded | D |
| Cresylic Acid | D | Glucose | Α |
| Cyclohexane | D | Glycerin | Α |
| Cyclohexanone | D | Heptane | D |
| Detergents | Α | Hexane | D |
| Dichloroethane | D | Honey | Α |
| Diesel Fuel | D | Hydrochloric Acid 100% | D |
| Diethylamine | D | Hydrochloric Acid 20% | В |
| Diethylene Glycol | В | Hydrochloric Acid 37% | D |
| Dimethyl Aniline | D | Hydrofluoric Acid 100% | D |
| Dimethyl Formamide | D | Hydrofluoric Acid 20% | D |
| Epsom Salts (Magnesium Sulfate) | Α | Hydrofluoric Acid 50% | D |
| Ethanol | В | Hydrofluoric Acid 75% | D |
| Ethyl Acetate | D | Hydrogen Peroxide 10% | Α |
| Ethyl Chloride | D | Hydrogen Peroxide 100% | C |
| Ethylene Chloride | D | Hydrogen Peroxide 30% | Α |
| Ethylene Chlorohydrin | D | Hydrogen Peroxide 50% | C |
| Ethylene Dichloride | D | Hydrogen Sulfide (aqua) | Α |
| Ethylene Glycol | В | Isopropyl Acetate | D |
| Ethylene Oxide | С | Isopropyl Ether | D |
| Fatty Acids | C | Jet Fuel (JP3, JP4, JP5) | D |
| Ferric Chloride | Α | Kerosene | D |
| Ferric Nitrate | Α | Ketones | D |



| Chemical Substance | Rating | Chemical Substance | Rating |
|---------------------------------|--------|--------------------------------------|--------|
| Lacquer Thinners | D | Nitrobenzene | D - |
| Lacquers | D | Nitromethane | D |
| Lactic Acid | D | Oils: Citric | D |
| Lard | В | Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6) | D |
| Lead Sulfamate | Α | Oils: Mineral | С |
| Lubricants | D | Oils: Olive | В |
| Lye: Ca(OH)2 Calcium Hydroxide | D | Oils: Pine | D |
| Lye: KOH Potassium Hydroxide | D | Ozone | Α |
| Lye: NaOH Sodium Hydroxide | D | Paraffin | D |
| Magnesium Chloride | Α | Pentane | D |
| Magnesium Hydroxide | Α | Perchloroethylene | D |
| Magnesium Nitrate | Α | Phenol (10%) | В |
| Magnesium Sulfate (Epsom Salts) | Α | Phenol (Carbolic Acid) | D |
| Mercuric Chloride (dilute) | Α | Phosphoric Acid (more than 40%) | Α |
| Mercury | D | Phosphoric Acid (crude) | Α |
| Methanol (Methyl Alcohol) | В | Phosphoric Acid (less than 40%) | Α |
| Methyl Acetate | D | Photographic Solutions | В |
| Methyl Alcohol 10% | В | Picric Acid | D |
| Methyl Butyl Ketone | D | Potassium Bromide | Α |
| Methyl Cellosolve | D | Potassium Chlorate | Α |
| Methyl Chloride | D | Potassium Chloride | Α |
| Methyl Ethyl Ketone | D | Potassium Dichromate | Α |
| Methylene Chloride | D | Potassium Hydroxide (Caustic Potash) | D |
| Milk | Α | Potassium Nitrate | Α |
| Mineral Spirits | D | Potassium Permanganate | Α |
| Motor oil | D | Potassium Sulfate | Α |
| Mustard | Α | Propane (liquefied) | D |
| Naphtha | D | Propylene Glycol | В |
| Nickel Chloride | Α | Pyridine | D |
| Nickel Nitrate | D | Salicylic Acid | Α |
| Nickel Sulfate | Α | Sea Water | С |
| Nitric Acid (20%) | В | Silicone | Α |
| Nitric Acid (50%) | В | Silver Nitrate | Α |
| Nitric Acid (5-10%) | В | Soap Solutions | Α |
| Nitric Acid (Concentrated) | D | Soda Ash (see Sodium Carbonate) | Α |



Chemical Substance Rating Sodium Acetate Sodium Bicarbonate Α Sodium Bisulfate Α Sodium Bisulfite Sodium Carbonate Sodium Chlorate Sodium Chloride Sodium Hydroxide (20%) Sodium Hydroxide (50%) Sodium Hydroxide (80%) Sodium Hypochlorite (less than 20%) C Sodium Peroxide Sodium Sulfate Sodium Sulfide D Sodium Thiosulfate (hypo) D Stannic Chloride Α Stearic Acid В Stoddard Solvent D Sulfur Dioxide (dry) Α Sulfuric Acid (less than 10%) Sulfuric Acid (10-75%) В Tannic Acid C Tetrachloroethylene D Tetrahydrofuran D Toluene (Toluol) D Tomato Juice Trichloroethane D Turpentine D Urea D Vinegar В В Water, Acid, Mine Water, Distilled Α Water, Fresh Α Water, Salt A Whiskey and Wines

| Chemical Substance | Ratin |
|--------------------|-------|
| Xylene | D |
| Zinc Chloride | Α |
| Zinc Sulfate | Α |



1C. DATA SHEET

MPVC-6B-PCE

Chemical Compatibility Disclaimer

The information in this chart has been compiled from several sources (listed below) and as such Pneuline makes no guarantee as to the accuracy or completeness of the information. This chart is ONLY to be used as a guide in selecting the appropriate product for a particular use case. A product's resistance to chemical exposure will vary based on a variety of factors including: temprature, exposure time, quantity, concentration, the purity of the chemicals involved, presense or absence of catalyzing agents, and pressure. Ratings listed in this chart apply for a limited exposure time (normally 48 hours) and as such Pneuline offers NO warranty (express or implied) that a particular product will perform adequately in a given environment.

Sources

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