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DATA SHEET

MPVC-5B-KE

Product Series: MPVC

Product Type: Inline Check Valve Cleanroom

Housing Material: Kynar

Diaphragm Material: 0.030" EPDM

Inlet: Natrual Kynar 720
Outlet: Grey Kynar 720

Max Operating Temp: 250.00°F / 121.11°C Min Operating Temp: -40.00°F / -40.00°C

Product SKU: 001040000

Physical Properties

Size and Weight: 1.550 Long 0.763 Wide, 3.98g

Max Operating Tensile Stress: 40 lbs

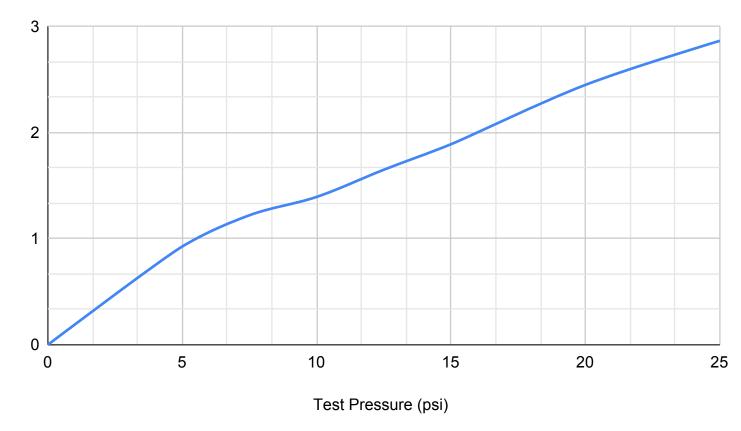
Max Allowable Leak Rate: 0.009 cm^3/sec @ 65 psi (air)

Max Operating Pressure: 65 psi (air)

Cracking Pressure: 0.0 psi (Normally Open)
Required Sealing Back Pressure: Less than 0.1 psi (air)



Flow Rate (Gpm) vs. Test Pressure (Psi)



Flow Rate (gpm)



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 D Barium Carbonate A Acetamide C Barium Chloride A Acetic Acid A Barium Chloride A Acetic Acid A Barium Hydroxide A Acetic Acid 20% A Barium Nitrate A Acetic Acid 20% B Barium Sulfate A Acetic Acid 20% B Barium Sulfate A Acetic Acid 80% B Barium Sulfate A Acetic Acid, Glacial B B Beer A Acetic Anhydride D Benzaldehyde B Acetone D Benzaldehyde B BAcetone D Benzaldehyde B Acetone D Benzene D Acetylene A Benzol D Benzol D Acetylene A Benzol D Acetylene A Benzol D Acetylene A Benzol D Acetylene A Benzol D Acetylene D Alcohols: Butyl B B Butadiene D Alcohols: Butyl B B Butadiene D Alcohols: Ethyl A Butane D Alcohols: Ethyl A Butane D Alcohols: Ethyl A Butane D Alcohols: Hethyl A Butane D Alcohols: Methyl A Butyl Amine C C Aluminum Hydroxide A Butyl Amine C C Aluminum Plotassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 10% B Calcium Carbonate A Aluminum Potassium Sulfate 10% B Calcium Hydroxide A Ammonia, anhydrous B C C Calcium Hydroxide A Ammonia, anhydrous B C Calcium Nitrate A Calcium Hydroxide A Ammonia, anhydrous B C Carbon Disulfide D Ammonium Phosphate, Dibasic A Carbon Disulfide D Ammonium Hydroxide A Carbon Disulfide D Ammonium Hydroxide A Carbon Disulfide D Ammonium Phosphate, Dibasic A Carbon Disulfide D Ammonium Dilfate A Carbon Disulfide D Ammonium Hydroxide A Carbon Disulfide D Ammonium Hydroxide A Carbon Disulfide D Ammonium Phosphate, Dibasic A Carbon Disulfide D Ammonium Hydroxide A Carbon Disulfide D Ammonium Hydroxide A Carbon Disulfide D Carbon Disulfide D Chlorine, Anhydrous Liquid N/A Aniline B Chlorine, Anhydrous Liquid N/A Chlorine Cardi A Chlorine Cardi D D Chloroform D D Chlo | Chemical Substance | Rating | Chemical Substance | Rating |
|--|---|--------|---------------------------------------|--------|
| Acetic Acid Acetic Acid A Barium Hydroxide A Acetic Acid 20% A Barium Mydroxide A Acetic Acid 20% A Barium Mitrate A Acetic Acid 80% B Barium Sulfate A Acetic Acid, Glacial B Beer B Benzene D Benzaldehyde B BAcetone Acetyl Chloride (dry) D Benzoic Acid D Acetylene A Benzol D Acetylene A Benzol D Acetylene A Benzol D Alcohols: Amyl A Benzol D Alcohols: Butyl B B Butadiene D Alcohols: Ethyl A Butadiene D Alcohols: Ethyl A Butanol (Butyl Alcohol) B Alcohols: Isopropyl A Butanol (Butyl Alcohol) B Alcohols: Methyl A Buttermilk A Buttermilk A Aluminum Chloride 20% A Butyl acetate C Aluminum Hydroxide A Butyl acetate C Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Sulfate A Calcium Hydroxide A A Calcium Mydroxide A A Carbon Disulfide D Ammonia, Iquid A Carbon Disulfide D Ammonium Phosphate, Dibasic A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbon Tetrachloride D Ammonium Sulfate A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbon Carbon A Chlorine (dry) D Ammonium Sulfate A Chlorine (dry) D Arsenic Acid B Aqua Regia (80% HCI, 20% HNO3) C Chlorobenzene (Mono) D Chloroform | Acetaldehyde | D | Barium Carbonate | A |
| Acetic Acid A Acetic Acid 20% A Acetic Acid 20% B B Acetic Acid 80% B B Barium Nitrate A Acetic Acid, Glacial B B Beer A Acetic Acid, Glacial B B Beer B Acetone D B Acetone D B Acetone D B Acetone A Acetic Acid, Glacial B B Beer B Acetone D B Acetone D Acetyl Chloride (dry) D B Acetone A Acetic Acid A B Acetic Acid A Benzene D Acetyl Chloride (dry) B Alcohols: Amyl A A Bromine D Alcohols: Butyl B B Butadeine D Alcohols: Butyl B Alcohols: Isopropyl A A Butane B Alcohols: Isopropyl A A Butane (Butyl Alcohol) B B Alcohols: Methyl A A Buttermilk A A Buttermilk A A Aluminum Chloride 20% A A Butyl Amine C C Aluminum Nitrate A Butyl acetate C Aluminum Potassium Sulfate 10% B Aluminum Potassium Sulfate 10% B Aluminum Potassium Sulfate 100% C C Calcium Carbonate A Aluminum Sulfate A Amines C C Calcium Hypochlorite A A Amines C C Calcium Sulfate A Ammonia, anhydrous B Calcium Sulfate A Ammonia, ilquid A Carbon Disulfide D Ammonium Hydroxide A A Carbon Terachloride D Ammonium Hydroxide A Ammonium Hydroxide A A Carbon Terachloride B Ammonium Hydroxide A A Carbon Terachloride B Ammonium Hydroxide A Ammonium Hydroxide A A Carbon Terachloride B Ammonium Hydroxide A Ammonium Hydroxide A A Carbon Terachloride B Ammonium Hydroxide A Ammonia Hydroxide A A Carbon Terachloride B Ammonium Hydroxide A Ammon | • | С | | Α |
| Acetic Acid 20% | | | | |
| Acetic Acid 80% B Barium Sulfate A Acetic Acid, Glacial B Beer A Acetic Anhydride D Benzaldehyde B Acetone D Benzaldehyde D Acetyl Chloride (dry) D Benzoic Acid D Acetylene A Benzol D Alcohols: Amyl A Benzol D Alcohols: Butyl B B Butadiene D Alcohols: Isopropyl A Butane D Alcohols: Isopropyl A Butane D Alcohols: Methyl A Butane D Alcohols: Methyl A Butane D Alcohols: Methyl A Butane D Alcohols: Isopropyl A Butane D Alcohols: Methyl A Butyl Amine C Aluminum Hydroxide A Butyl Amine C Aluminum Hydroxide A Butyl acetate C Aluminum Nitrate A Butyric Acid B Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Sulfate A Calcium Hydroxide A Amines C C Calcium Hydroxide A Amines C C Calcium Hydroxide A Ammonia, anhydrous B Calcium Sulfate A Ammonia, liquid A Carbonite A Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Sulfate A Chlorine Mater B Amyl Alcohol A Chlorine Mater B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid | Acetic Acid 20% | A | | |
| Acetic Acid, Glacial B Beer Acetic Anhydride D Benzaldehyde B Acetone D Benzanee D Acetyl Chloride (dry) D Benzane D Benzanee D Acetyl Chloride (dry) D Benzone D Benzone D Acetyl Chloride (dry) D Benzone D Benzone D Acetylene A Benzol D Acetylene A Benzol D Acetylene A Benzol D Alcohols: Amyl A Benzol D Alcohols: Amyl B B Butadiene D D Alcohols: Butyl B B Butadiene D D Alcohols: Ethyl A Butane D D Alcohols: Ithyl A Butane D D Alcohols: Ithyl A Butane D D Alcohols: Ithyl A Butane D D Alcohols: Methyl A Butane D D Alcohols: Methyl A Buttermilk A Buttermilk A Aluminum Chloride 20% A Buttermilk A Buttyl Amine C C Aluminum Hydroxide A Butyl Amine C C Aluminum Nitrate A Butyric Acid B Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 10% C Calcium Bisulfite A Aluminum Sulfate A Calcium Hydroxide A Amines C C Calcium Hydroxide A Calcium Hydroxide A Amines C C Calcium Hydroxide A Calcium Bisulfite D Ammonia, anhydrous B Calcium Sulfate A Carbon Isulfate A Ammonia, liquid A Carbon Isulfate A Carbon Isulfate D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbon Tetrachloride D D Ammonium Sulfate A Carbon Cacid A Ammonium Sulfate A Carbon Isulfate B A Carbon Isulfate B A Carbon Isulfate B A Chlorine Water B B Amyl Alcohol A Chlorine Water B B Anyl Alcohol A Chlorine Water B B Aqua Regia (80% HCl, 20% HNO3) C Chloroform D D Arsenic Acid | | | | Α |
| Acetic Anhydride D Benzaldehyde B Acetone D Benzene D Acetyl Chloride (dry) D Benzoic Acid D Acetylene A Benzoic Acid D Acetylene A Benzoic Acid D Acetylene A Benzol D Acetylene A Benzol D D Alcohols: Amyl A Bromine D Alcohols: Butyl B B Butadiene D D Alcohols: Ethyl A Butane D D Alcohols: Isopropyl A BUTANE D D Alcohols: Isopropyl A BUTANE D D Alcohols: Isopropyl A BUTANE D D Alcohols: Methyl A BUTANE D D Alcohols: Methyl A BUTANE D D D D D D D D D D D D D D D D D D D | | В | Beer | Α |
| Acetone Acetyl Chloride (dry) D Acetyl Chloride (dry) D Acetylene A Benzol D Acetylene A Benzol D Acetylene A Benzol D Acetylene A Benzol D Alcohols: Amyl A Bromine D Alcohols: Butyl B B Butadiene D Alcohols: Isopropyl A A Butane Butanol (Butyl Alcohol) B Alcohols: Methyl A A Buttermilk A A Aluminum Chloride 20% A A Buttyl Amine C Aluminum Hydroxide A Butyl Amine C Aluminum Nitrate A Butyl acetate C Aluminum Potassium Sulfate 10% B Aluminum Potassium Sulfate A A Calcium Hydroxide A A A Calcium Hydroxide A A A A A A Calcium Hydroxide A A A A A A A Calcium Hydroxide A A A A A A A Calcium Sulfate A A A A A A A Calcium Sulfate A A A A A A A A Calcium Sulfate A A A A A A A Calcium Sulfate A A A Calcium Sulfate A A A Carbonic Acid (Phenol) B A A A Carbonic Acid (Phenol) B A A Carbonium Hydroxide A A Carbon Tetrachloride D A Ammonium Bulfate A A Carbon Tetrachloride D A Ammonium Bulfate A A Carbonic Acid A A A A A Carbonic Acid A A A A A A A A A A Carbonic Acid A A A A A A A A A A A Carbonic Acid A A A A A A A A A A A A A A A A A A A | | D | Benzaldehvde | В |
| Acetylene A Benzol D Alcohols: Amyl A Bromine D Alcohols: Butyl B B Butadiene D Alcohols: Ethyl A Butane D Alcohols: Isopropyl A Butane D Alcohols: Isopropyl A Butane Butane D Alcohols: Methyl A Buttermilk A Aluminum Chloride 20% A Butyl Amine C Aluminum Hydroxide A Butyl Amine C Aluminum Nitrate A Butyl acetate C Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 10% C Calcium Carbonate A Aluminum Sulfate A Calcium Hydroxide A Amines C CAIcium Hydroxide A Ammonia 10% A Calcium Nitrate A Ammonia, anhydrous B Calcium Silfate A Ammonia, liquid A Calcium Silfate A Ammonia, liquid A Carbon Disulfide D Ammonium Chloride A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Sulfate B Chlorine, Anhydrous Liquid N/A Aniline B Chlorocetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid | • | D | • | |
| Acetylene A Benzol D Alcohols: Amyl A Bromine D Alcohols: Butyl B B Butadiene D Alcohols: Ethyl A Butane D Alcohols: Isopropyl A Butane D Alcohols: Isopropyl A Butane Butane D Alcohols: Methyl A Buttermilk A Aluminum Chloride 20% A Butyl Amine C Aluminum Hydroxide A Butyl Amine C Aluminum Nitrate A Butyl acetate C Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 10% C Calcium Carbonate A Aluminum Sulfate A Calcium Hydroxide A Amines C CAIcium Hydroxide A Ammonia 10% A Calcium Nitrate A Ammonia, anhydrous B Calcium Silfate A Ammonia, liquid A Calcium Silfate A Ammonia, liquid A Carbon Disulfide D Ammonium Chloride A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Sulfate B Chlorine, Anhydrous Liquid N/A Aniline B Chlorocetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid | Acetyl Chloride (dry) | D | Benzoic Acid | D |
| Alcohols: Amyl Alcohols: Butyl B B Butadiene D Alcohols: Ethyl A A Butane D Alcohols: Isopropyl A A Butane B Butanel | • | Α | Benzol | |
| Alcohols: Butyl Alcohols: Ethyl A Butane D Alcohols: Ethyl A Butane D Alcohols: Isopropyl A Butanol (Butyl Alcohol) B Alcohols: Methyl A Buttermilk A Buttermilk A Aluminum Chloride 20% A Butyl Amine C Aluminum Hydroxide A Butyl Amine C Aluminum Nitrate A Butyl acetate C Aluminum Potassium Sulfate 10% B C Calcium Bisulfite A Aluminum Potassium Sulfate 10% C Calcium Garbonate A Auminum Sulfate A Calcium Hydroxide A Amines C C Calcium Hydroxide A Ammonia 10% A Calcium Hydroxide A Calcium Nitrate A Calcium Nitrate A Calcium Nitrate A Calcium Nitrate A Carbonic Acid (Phenol) B Carbonium Chloride A Carbonium Phosphate, Dibasic A Carbonium Phosphate, Dibasic A Carbonium Sulfate A Carbonic Acid Ammonium Sulfate A Carbonic Acid Ammonium Sulfate A Carbonic Acid A Chlorine (dry) D Carbonic Acid B Chloroacetic Acid | | Α | Bromine | |
| Alcohols: Ethyl A Butane D Alcohols: Isopropyl A Butanol (Butyl Alcohol) B Alcohols: Methyl A Buttermilk A Aluminum Chloride 20% A Butyl Amine C Aluminum Hydroxide A Butyl Acetate C Aluminum Nitrate A Butyri Accid B Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 10% C Calcium Carbonate A Aluminum Sulfate A Calcium Hydroxide A Amines C C Calcium Hydroxide A Ammonia 10% A Calcium Hydroxide A Ammonia, anhydrous B Calcium Sulfate A Ammonia, liquid A Carbonic Acid (Phenol) B Ammonium Hydroxide A Carbon Disulfide D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbon Tetrachloride D Ammonium Sulfate A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C C Chlorine Water B Aqua Regia (80% HCl, 20% HNO3) C Arsenic Acid Chloroform D | | | Butadiene | |
| Alcohols: Isopropyl Alcohols: Methyl Alcohols: Methyl Aluminum Chloride 20% Aluminum Hydroxide Aluminum Nitrate Aluminum Potassium Sulfate 10% Aluminum Potassium Sulfate 10% Blutyric Acid Butyric Acid Butyric Acid Butyric Acid Butyric Acid Butyric Acid Blutyric Acid Aluminum Potassium Sulfate 100% Aluminum Sulfate Aluminum Chloride Aluminum Chloride Aluminum Chloride Aluminum Chloride Aluminum Phosphate, Dibasic Aluminum Sulfate Aluminum S | | Α | Butane | D |
| Alcohols: Methyl A Buttermilk A Buttermilk A Aluminum Chloride 20% A Butyl Amine C C Aluminum Hydroxide A Butyl Acetate C C Aluminum Hydroxide A Butyric Acid B Butyric Acid B Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 100% C Calcium Carbonate A Aluminum Sulfate A Calcium Hydroxide A Amines C C Calcium Hydroxide A Ammonia 10% A Calcium Nitrate A Ammonia, anhydrous B Calcium Sulfate A Calcium Sulfate A Calcium Sulfate A Carbon Disulfide D Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide A Carbon Disulfide D Ammonium Phosphate, Dibasic A Carbon Carbon Carbon Carbon Carbon Disulfide D Ammonium Sulfate A Carbon Disulfide D Carbon D Chlorine (dry) D D CArsenic Acid A Carbon Disulfide D Chlorine (dry) D D CArsenic Acid A Chlorine (dry) D D CArsenic Acid A Chlorine Anhydrous Liquid N/A Aniline B Chloroacetic Acid B ACARS Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | | Α | Butanol (Butyl Alcohol) | В |
| Aluminum Chloride 20% Aluminum Hydroxide A Butyl acetate C C Aluminum Nitrate A Butyric Acid B B Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Calcium Bisulfite A Calcium Garbonate Aluminum Sulfate A Calcium Hydroxide A Calcium Hydroxide A A Amines C C Calcium Hypochlorite A A Ammonia 10% A Calcium Nitrate A Calcium Nitrate A Calcium Sulfate A Calcium Sulfate A Calcium Nitrate A Calcium Sulfate A Carbonic Acid (Phenol) B Carbonic Acid (Phenol) B Carbon Disulfide D Carbonic Acid Ammonium Hydroxide A Carbon Tetrachloride D Carbonic Acid Ammonium Sulfate A Carbonic Acid A Chlorine Water B Chlorine Water B Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D CArsenic Acid | | Α | · · · · · · · · · · · · · · · · · · · | Α |
| Aluminum Nitrate Aluminum Potassium Sulfate 10% Black Calcium Bisulfite Aluminum Potassium Sulfate 100% Clack Calcium Carbonate Aluminum Sulfate Aluminum Alumin | | Α | Butyl Amine | С |
| Aluminum Nitrate Aluminum Potassium Sulfate 10% Black Calcium Bisulfite Aluminum Potassium Sulfate 100% Clack Calcium Carbonate Aluminum Sulfate Aluminum Alumin | Aluminum Hydroxide | Α | Butyl acetate | С |
| Aluminum Potassium Sulfate 10% B Calcium Bisulfite A Aluminum Potassium Sulfate 100% C Calcium Carbonate A Aluminum Sulfate A Calcium Hydroxide A Amines C C Calcium Hypochlorite A Ammonia 10% A Calcium Nitrate A Ammonia, anhydrous B Calcium Sulfate A Ammonia, liquid A Carbolic Acid (Phenol) B Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C C Chlorine Water B Amyl Alcohol A Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid | • | Α | | В |
| Aluminum Sulfate A Calcium Hydroxide A Amines C Calcium Hypochlorite A Ammonia 10% A Calcium Nitrate A Ammonia, anhydrous B Calcium Sulfate A Ammonia, liquid A Carbolic Acid (Phenol) B Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid | Aluminum Potassium Sulfate 10% | В | • | |
| Amines C Calcium Hypochlorite A Ammonia 10% A Calcium Nitrate A Ammonia, anhydrous B Calcium Sulfate A Ammonia, liquid A Carbolic Acid (Phenol) B Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chloroform D | Aluminum Potassium Sulfate 100% | С | Calcium Carbonate | Α |
| Ammonia 10% A Calcium Nitrate A Ammonia, anhydrous B Calcium Sulfate A Carbolic Acid (Phenol) B Ammonium Chloride A Carbon Disulfide D Carbon Tetrachloride D Carbonium Phosphate, Dibasic A Carbonic Acid Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chloroform D Carbonic Acid B Chloroform D Chloroform | Aluminum Sulfate | Α | Calcium Hydroxide | Α |
| Ammonia, anhydrous Ammonia, liquid A Ammonia, liquid A Ammonium Chloride A Ammonium Hydroxide A Ammonium Phosphate, Dibasic A Ammonium Sulfate A A Carbon Tetrachloride D Ammonium Sulfate A Carbonic Acid A Carbonic Acid A Carbonic Acid B Chlorine (dry) D Amyl Acetate C C Chlorine Water B Amyl Alcohol A A Chlorine, Anhydrous Liquid A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) Arsenic Acid A Chloroform D Chloroform | Amines | С | Calcium Hypochlorite | Α |
| Ammonia, liquid A Carbolic Acid (Phenol) B Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid | Ammonia 10% | Α | Calcium Nitrate | Α |
| Ammonium Chloride A Carbon Disulfide D Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chloroform D | Ammonia, anhydrous | В | Calcium Sulfate | Α |
| Ammonium Hydroxide A Carbon Tetrachloride D Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid | Ammonia, liquid | Α | Carbolic Acid (Phenol) | В |
| Ammonium Phosphate, Dibasic A Carbonic Acid A Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Ammonium Chloride | Α | Carbon Disulfide | D |
| Ammonium Sulfate A Chlorine (dry) D Amyl Acetate C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Ammonium Hydroxide | Α | Carbon Tetrachloride | D |
| Amyl Acetate C Chlorine Water B Amyl Alcohol A Chlorine, Anhydrous Liquid N/A Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Ammonium Phosphate, Dibasic | Α | Carbonic Acid | Α |
| Amyl AlcoholAChlorine, Anhydrous LiquidN/AAnilineBChloroacetic AcidBAqua Regia (80% HCl, 20% HNO3)CChlorobenzene (Mono)DArsenic AcidAChloroformD | Ammonium Sulfate | Α | Chlorine (dry) | D |
| Aniline B Chloroacetic Acid B Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Amyl Acetate | С | Chlorine Water | В |
| Aqua Regia (80% HCl, 20% HNO3) C Chlorobenzene (Mono) D Arsenic Acid A Chloroform D | Amyl Alcohol | Α | Chlorine, Anhydrous Liquid | N/A |
| Arsenic Acid A Chloroform D | Aniline | В | Chloroacetic Acid | В |
| Arsenic Acid A Chloroform D | Aqua Regia (80% HCl, 20% HNO3) | C | Chlorobenzene (Mono) | D |
| Asphalt D Chlorosulfonic Acid D | Arsenic Acid | Α | | D |
| | Asphalt | D | Chlorosulfonic Acid | D |

The information in this chart has been compiled from several sources 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, and purity of chemicals, 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.

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| Chemical Substance | Rating | Chemical Substance | Rating |
|---------------------------------|--------|---------------------------|--------|
| Chocolate Syrup | A | Ferric Sulfate | Α - |
| Chromic Acid 10% | В | Ferrous Chloride | N/A |
| Chromic Acid 30% | В | Ferrous Sulfate | |
| Chromic Acid 5% | В | Fluorine | D |
| Chromic Acid 50% | С | Fluorosilicic Acid | В |
| Chromic Acid 80% | D | Formaldehyde 100% | В |
| Cider | Α | Formaldehyde 40% | В |
| Citric Acid | Α | Formic Acid | Α |
| Copper Cyanide | Α | Fuel Oils | D |
| Copper Nitrate | В | Furfural (Furfuraldehyde) | В |
| 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% | С |
| Diethylamine | D | Hydrochloric Acid 20% | Α |
| Diethylene Glycol | Α | Hydrochloric Acid 37% | С |
| Dimethyl Aniline | D | Hydrofluoric Acid 100% | D |
| Dimethyl Formamide | D | Hydrofluoric Acid 20% | D |
| Epsom Salts (Magnesium Sulfate) | Α | Hydrofluoric Acid 50% | D |
| Ethanol | Α | Hydrofluoric Acid 75% | D |
| Ethyl Acetate | D | Hydrogen Peroxide 10% | A C |
| Ethyl Chloride | С | Hydrogen Peroxide 100% | C |
| Ethylene Chloride | D | Hydrogen Peroxide 30% | Α |
| Ethylene Chlorohydrin | В | Hydrogen Peroxide 50% | C |
| Ethylene Dichloride | С | Hydrogen Sulfide (aqua) | Α |
| Ethylene Glycol | Α | 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 |

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| Chemical Substance | Rating | Chemical Substance | Rating |
|---------------------------------|--------|--------------------------------------|--------|
| Lacquer Thinners | D | Nitrobenzene | В |
| Lacquers | D | Nitromethane | В |
| 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 | Α | Oils: Pine | D |
| Lye: KOH Potassium Hydroxide | В | Ozone | Α |
| Lye: NaOH Sodium Hydroxide | С | 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) | В |
| Mercuric Chloride (dilute) | Α | Phosphoric Acid (more than 40%) | Α |
| Mercury | Α | Phosphoric Acid (crude) | Α |
| Methanol (Methyl Alcohol) | Α | Phosphoric Acid (less than 40%) | Α |
| Methyl Acetate | В | Photographic Solutions | В |
| Methyl Alcohol 10% | Α | Picric Acid | В |
| Methyl Butyl Ketone | D | Potassium Bromide | Α |
| Methyl Cellosolve | В | Potassium Chlorate | Α |
| Methyl Chloride | С | Potassium Chloride | Α |
| Methyl Ethyl Ketone | D | Potassium Dichromate | Α |
| Methylene Chloride | D | Potassium Hydroxide (Caustic Potash) | Α |
| 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 | Α |
| Nickel Chloride | Α | Pyridine | D |
| Nickel Nitrate | Α | 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 |
| | | | |

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

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

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Whiskey and Wines



1C. DATA SHEET

MPVC-5B-KE

Chemical Compatibility Disclaimer

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