

### 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.



<b>Chemical Substance</b>	Rating	<b>Chemical Substance</b>	Rating
Acetaldehyde	D	Barium Carbonate	c
Acetamide	С	Barium Chloride	Ā
Acetic Acid	A	Barium Hydroxide	Α
Acetic Acid 20%	Α	Barium Nitrate	С
Acetic Acid 80%	В	Barium Sulfate	Α
Acetic Acid, Glacial	В	Beer	Α
Acetic Anhydride	D	Benzaldehyde	D
Acetone	D	Benzene	Α
Acetyl Chloride (dry)	Α	Benzoic Acid	Α
Acetylene	Α	Benzol	Α
Alcohols: Amyl	В	Bromine	Α
Alcohols: Butyl	Α	Butadiene	Α
Alcohols: Ethyl	С	Butane	Α
Alcohols: Isopropyl	Α	Butanol (Butyl Alcohol)	Α
Alcohols: Methyl	D	Buttermilk	Α
Aluminum Chloride 20%	Α	Butyl Amine	D
Aluminum Hydroxide	В	Butyl acetate	D
Aluminum Nitrate	Α	Butyric Acid	В
Aluminum Potassium Sulfate 10%	С	Calcium Bisulfite	В
Aluminum Potassium Sulfate 100%	С	Calcium Carbonate	Α
Aluminum Sulfate	Α	Calcium Hydroxide	Α
Amines	D	Calcium Hypochlorite	Α
Ammonia 10%	D	Calcium Nitrate	Α
Ammonia, anhydrous	D	Calcium Sulfate	С
Ammonia, liquid	D	Carbolic Acid (Phenol)	A C
Ammonium Chloride	Α	Carbon Disulfide	С
Ammonium Hydroxide	С	Carbon Tetrachloride	A
Ammonium Phosphate, Dibasic	D	Carbonic Acid	Α
Ammonium Sulfate	D	Chlorine (dry)	Α
Amyl Acetate	D	Chlorine Water	В
Amyl Alcohol	В	Chlorine, Anhydrous Liquid	N/A
Aniline	С	Chloroacetic Acid	D
Aqua Regia (80% HCl, 20% HNO3)	В	Chlorobenzene (Mono)	Α
Arsenic Acid	Α	Chloroform	Α
Asphalt	Α	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.

Pneuline Supply, Inc. 2881 S 31st Ave Unit 2A Greeley, CO 80631

www.pneulinesupply.com (970) 714-1123 sales@pneulinesupply.com



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



Lacquer Thinners D Nitrobenzene B Lacquers D Nitromethane D Nitromethane D Cartic Acid B Oils: Citric A A Card A Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6) B Lead Sulfamate A Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6) B Lead Sulfamate A Oils: Mineral A Cubricants A Oils: Mineral A Cubricants A Oils: Oilve A Card Oils: Oilve A Oils: Pine A Card Oils: Oilve A Oils: Oilve Oilve A Oils: Oilve Oilve A Oilve Oilve A Oilve Oi	<b>Chemical Substance</b>	Rating	<b>Chemical Substance</b>	Rating
Lacquers D Nitromethane D Lactic Acid B Oils: Citric A Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6) B Oils: Citric A Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6) B Cead Sulfamate A Oils: Mineral A Oils: Mineral A Oils: Mineral A Oils: Oilse Oilse Mineral A Oils: Oilse O	Lacquer Thinners	D	Nitrobenzene	В -
Lactic Acid Lard A Lard A Cills: Citric A Cills: Fuel Oil (1, 2, 3, 5A, 5B, 6) B Lead Sulfamate A Cills: Mineral A Cills: Mineral A Cills: Mineral A Cills: Mineral A Cills: Oilve A Cye: Ca(OH)2 Calcium Hydroxide A Lye: Ca(OH)2 Calcium Hydroxide D Cozone A Cye: NaOH Sodium Hydroxide C Paraffin A Magnesium Hydroxide A Cyes NaOH Sodium Hydroxide A C Repetane A Magnesium Chloride A Magnesium Nitrate A Magnesium Nitrate A Magnesium Sulfate (Epsom Salts) A Mercuric Chloride (dilute) A Mercury A Mercury A Methanol (Methyl Alcohol) D Phosphoric Acid (more than 40%) A Methyl Acetate D Phosphoric Acid (crude) A Methyl Alcohol 10% D Photographic Solutions B Methyl Alcohol 10% D Potassium Chlorate C Methyl Cellosolve D Potassium Chlorate C Methyl Cellosolve D Potassium Chlorate A Methyl Cellosolve D Potassium Dichromate A Methyl Bethyl Ketone D Potassium Dichromate A Methyl Cellosolve B Methyl Colloride B Potassium Hydroxide (Caustic Potash) D Milk A Potassium Pydroxide (Caustic Potash) D Milk A Potassium Sulfate A Mustard B Potassium Sulfate A Mustard B Propane (liquefied) A Mustard B Propane (liquefied) A Mustard B Propane (liquefied) A Mustard A Mustard A Potassium Sulfate A Mustard A Mustard A Potassium Pydroxide C Salicylic Acid Nitric Acid (20%) A Nitric Acid (50%) A Nitric Acid (5-10%) A Soap Solutions	·	D	Nitromethane	D
Lead SulfamateAOils: MineralALubricantsAOils: OliveALye: Ca(OH)2 Calcium HydroxideAOils: PineALye: KOH Potassium HydroxideDOzoneALye: NaOH Sodium HydroxideCParaffinAMagnesium ChlorideAPentaneAMagnesium HydroxideAPerthaneAMagnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethyl Alcohol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhosphoric Acid (less than 40%)AMethyl Butyl KetoneDPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl Ethyl KetoneDPotassium ChlorideAMethyl Ethyl KetoneDPotassium Hydroxide (Caustic Potash)DMilkAPotassium SulfateAMily AAPotassium SulfateAMotor oilBPotassium SulfateAMustardBPotassium SulfateAMustardBPropane (liquefied)AAPropylene GlycolCNickel NitrateAPropylene GlycolCNickel Sulfate <td< td=""><td>·</td><td>В</td><td>Oils: Citric</td><td>Α</td></td<>	·	В	Oils: Citric	Α
Lead SulfamateAOils: MineralALubricantsAOils: OliveALye: Ca(OH)2 Calcium HydroxideDOzoneALye: KOH Potassium HydroxideDOzoneALye: NaOH Sodium HydroxideCParaffinAMagnesium ChlorideAPentaneAMagnesium NitrateAPertholorethyleneAMagnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMetruryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhosphoric Acid (less than 40%)AMethyl Butyl KetoneDPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl ChlorideAPotassium ChlorateCMethyl Ethyl KetoneDPotassium ChlorateAMethylee ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium SulfateAMotor oilBPotassium SulfateAMustardBPotassium SulfateAMotor oilBPropane (liquefied)ANickel ChlorideAPropane (liquefied)ANickel SulfateAPropylene GlycolCNickel SulfateASea WaterAN	Lard	Α	Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6)	В
Lye: Ca(OH)2 Calcium HydroxideAOils: PineALye: KOH Potassium HydroxideDOzoneALye: NaOH Sodium HydroxideCParaffinAMagnesium ChlorideAPentaneAMagnesium HydroxideAPerchloroethyleneAMagnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (less than 40%)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhosphoric Acid (less than 40%)AMethyl Alcohol 10%DPhosphoric Acid (less than 40%)AMethyl Butyl KetoneDPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorateCMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium SulfateAMotor oilBPotassium SulfateAMustardBPotassium SulfateAMustardBPotassium SulfateAMustardBPotassium SulfateANickel ChlorideAPropane (liquefied)ANickel SulfateA <td>Lead Sulfamate</td> <td>Α</td> <td></td> <td>Α</td>	Lead Sulfamate	Α		Α
Lye: KOH Potassium HydroxideDOzoneALye: NaOH Sodium HydroxideCParaffinAMagnesium ChlorideAPentaneAMagnesium HydroxideAPerchloroethyleneAMagnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethyl Acidohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPhotographic SolutionsBMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium DichromateAMilkAPotassium NitrateAMotor oilBPotassium SulfateAMustardBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)ASiliconeANitric Acid (50%)ASi	Lubricants	Α	Oils: Olive	Α
Lye: NaOH Sodium HydroxideCParaffinAMagnesium ChlorideAPentaneAMagnesium HydroxideAPerchloroethyleneAMagnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorateCMethyl Ethyl KetoneDPotassium ChlorateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium PermanganateCMotor oilBPotassium PermanganateCMotor oilBPotassium PermangenateCMiralAPropale (liquefied)ANaphthaAPropale GlycolCNickel ChlorideAPropile GlycolCNickel SulfateASea WaterANitric Acid (20%)ASiliconeANi	Lye: Ca(OH)2 Calcium Hydroxide	Α	Oils: Pine	Α
Magnesium ChlorideAPentaneAMagnesium HydroxideAPerchloroethyleneAMagnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl Ethyl KetoneDPotassium ChlorateAMethylene ChlorideAPotassium DichromateAMethylene ChlorideBPotassium NitrateAMilkAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPotassium SulfateANaphthaAPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPryridineDNickel SulfateASalicylic AcidANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Lye: KOH Potassium Hydroxide	D	Ozone	Α
Magnesium HydroxideAPerchloroethyleneAMagnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorateCMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPotassium SulfateAMaphthaAPropylene GlycolCNickel ChlorideAPropylene GlycolCNickel NitrateCSalicylic AcidANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Lye: NaOH Sodium Hydroxide	С	Paraffin	Α
Magnesium NitrateAPhenol (10%)AMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium DichromateAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPotassium SulfateAMaphthaAPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANitric Acid (20%)ASiliconeANitric Acid (50%)CSiliconeANitric Acid (50%)CSiliconeANitric Acid (5-10%)ASoap SolutionsA	Magnesium Chloride	Α	Pentane	Α
Magnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)AMercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium DichromateAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium SulfateAMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Magnesium Hydroxide	Α	Perchloroethylene	Α
Mercuric Chloride (dilute)APhosphoric Acid (more than 40%)AMercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPropylene GlycolCNickel NitrateCSalicylic AcidANitric Acid (20%)ASiliconeANitric Acid (50%)CSiliver NitrateANitric Acid (5-10%)ASoap SolutionsA	Magnesium Nitrate	Α	Phenol (10%)	Α
MercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium PermanganateCMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPropilineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Magnesium Sulfate (Epsom Salts)	Α	Phenol (Carbolic Acid)	Α
MercuryAPhosphoric Acid (crude)AMethanol (Methyl Alcohol)DPhosphoric Acid (less than 40%)AMethyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium PermanganateCMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPropilineDNickel SulfateAPyridineDNickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Mercuric Chloride (dilute)	Α	Phosphoric Acid (more than 40%)	Α
Methyl AcetateDPhotographic SolutionsBMethyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (50%)ASoap SolutionsA	Mercury	Α		Α
Methyl Alcohol 10%DPicric AcidAMethyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methanol (Methyl Alcohol)	D	Phosphoric Acid (less than 40%)	Α
Methyl Butyl KetoneDPotassium BromideCMethyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methyl Acetate	D	Photographic Solutions	В
Methyl CellosolveDPotassium ChlorateCMethyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methyl Alcohol 10%	D	Picric Acid	Α
Methyl ChlorideAPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methyl Butyl Ketone	D	Potassium Bromide	С
Methyl Ethyl KetoneDPotassium DichromateAMethylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methyl Cellosolve	D	Potassium Chlorate	С
Methylene ChlorideBPotassium Hydroxide (Caustic Potash)DMilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methyl Chloride	Α	Potassium Chloride	Α
MilkAPotassium NitrateAMineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methyl Ethyl Ketone	D	Potassium Dichromate	
Mineral SpiritsAPotassium PermanganateCMotor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Methylene Chloride	В	Potassium Hydroxide (Caustic Potash)	D
Motor oilBPotassium SulfateAMustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Milk	Α	Potassium Nitrate	
MustardBPropane (liquefied)ANaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Mineral Spirits	Α	Potassium Permanganate	
NaphthaAPropylene GlycolCNickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Motor oil	В	Potassium Sulfate	
Nickel ChlorideAPyridineDNickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Mustard	В	Propane (liquefied)	Α
Nickel NitrateCSalicylic AcidANickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Naphtha	Α	Propylene Glycol	
Nickel SulfateASea WaterANitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Nickel Chloride	Α	Pyridine	D
Nitric Acid (20%)ASiliconeANitric Acid (50%)CSilver NitrateANitric Acid (5-10%)ASoap SolutionsA	Nickel Nitrate	С	Salicylic Acid	Α
Nitric Acid (50%) C Silver Nitrate A Nitric Acid (5-10%) A Soap Solutions A	Nickel Sulfate	Α	Sea Water	Α
Nitric Acid (5-10%) A Soap Solutions A	Nitric Acid (20%)	Α	Silicone	Α
	Nitric Acid (50%)	С	Silver Nitrate	Α
	Nitric Acid (5-10%)	Α	Soap Solutions	Α
Nitric Acid (Concentrated)  D  Soda Ash (see Sodium Carbonate)  A	Nitric Acid (Concentrated)	D	Soda Ash (see Sodium Carbonate)	Α

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. 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.

Pneuline Supply, Inc. 2881 S 31st Ave Unit 2A Greeley, CO 80631

www.pneulinesupply.com (970) 714-1123 sales@pneulinesupply.com



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

Chemical Substance Ra	atin
Xylene	Α
Zinc Chloride	Α
Zinc Sulfate	Α

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.



### C. DATA SHEET

## MPVC-5B-KVFDA

### 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

https://www.plasticsintl.com/chemical-resistance-chart
https://www.astisensor.com/KYNAR\_PVDF\_Chemical\_Compatibility\_Resistance\_Chart.pdf
https://www.ipexna.com/media/12311/chemical-guide-us-ipex-pvdf.pdf
https://www.polyfluor.nl/en/chemical-resistance/pvdf/

https://www.fhr.com/KochFHR/media/Polyproylenes-unrestricted/PP%20Random%20Copolymers/P5M6K-080.pdf https://mykin.com/rubber-chemical-resistance-chart

> https://www.calpaclab.com/nylon-chemical-compatibility-chart/ https://www.calpaclab.com/acetal-polyoxymethylene-chemical-compatibility-chart/

https://www.calpaclab.com/polycarbonate-chemical-compatibility-chart/

https://www.polyfluor.nl/en/chemical-resistance/pvdf/

https://www.calpaclab.com/polypropylene-chemical-compatibility-chart/https://www.ipexna.com/media/11974/chemical-guide-us-epdm-fkm.pdf