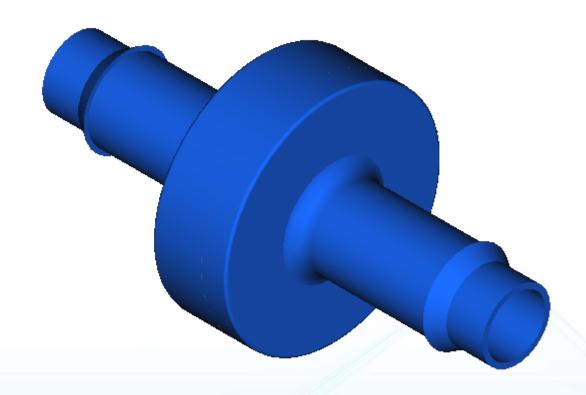
Pneuline Supply, Inc. DATA SHEET

MPVC-4BH-BLN21FS020





DATA SHEET

MPVC-4BH-BLN21FS020

Product Series: MPVC

Product Type: Inline Check Valve Cleanroom

Housing Material: Blue Nylon 21SPF

Diaphragm Material: 0.020" Fluorosilicone

Inlet:

Outlet:

Blue Nylon 21SPF

Blue Nylon 21SPF

Blue Nylon 21SPF

203.00°F / 95.00°C

Min Operating Temp: -30.00°F / -34.44°C

Product SKU: 001030606

Physical Properties

Size and Weight: 1.530 Long 0.750 Wide, 2.12g

Max Operating Tensile Stress: 20 lbs

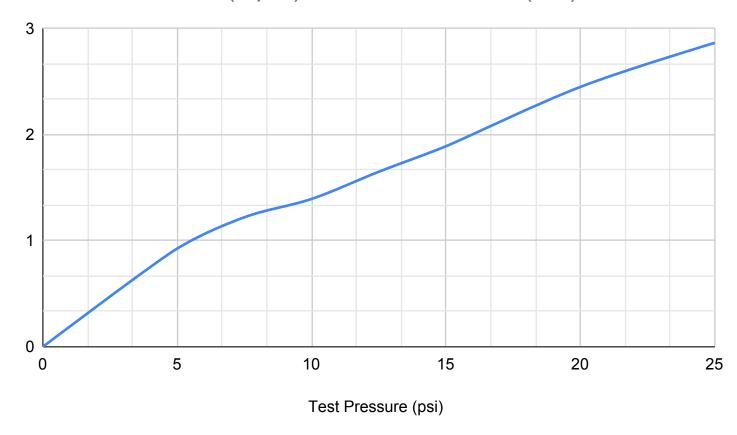
Max Allowable Leak Rate: 0.009 cm^3/sec @ 15 psi (air)

Max Operating Pressure: 15 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.



Chemical Substance	Rating	Chemical Substance	Rating
Acetaldehyde	D	Barium Carbonate	Α
Acetamide	Α	Barium Chloride	Α
Acetic Acid	D	Barium Hydroxide	A
Acetic Acid 20%	D	Barium Nitrate	Α
Acetic Acid 80%	D	Barium Sulfate	N/A
Acetic Acid, Glacial	В	Beer	Á
Acetic Anhydride	D	Benzaldehyde	D
Acetone	D	Benzene	С
Acetyl Chloride (dry)	В	Benzoic Acid	D
Acetylene	N/A	Benzol	D
Alcohols: Amyl	A	Bromine	D
Alcohols: Butyl	D	Butadiene	С
Alcohols: Ethyl	Α	Butane	С
Alcohols: Isopropyl	D	Butanol (Butyl Alcohol)	В
Alcohols: Methyl	В	Buttermilk	В
Aluminum Chloride 20%	D	Butyl Amine	D
Aluminum Hydroxide	N/A	Butyl acetate	D
Aluminum Nitrate	N/A	Butyric Acid	N/A
Aluminum Potassium Sulfate 10%	D	Calcium Bisulfite	С
Aluminum Potassium Sulfate 100%	D	Calcium Carbonate	Α
Aluminum Sulfate	Α	Calcium Hydroxide	Α
Amines	D	Calcium Hypochlorite	D
Ammonia 10%	D	Calcium Nitrate	Α
Ammonia, anhydrous	D	Calcium Sulfate	D
Ammonia, liquid	D	Carbolic Acid (Phenol)	D
Ammonium Chloride	N/A	Carbon Disulfide	В
Ammonium Hydroxide	Α	Carbon Tetrachloride	D
Ammonium Phosphate, Dibasic	N/A	Carbonic Acid	Α
Ammonium Sulfate	N/A	Chlorine (dry)	D
Amyl Acetate	D	Chlorine Water	N/A
Amyl Alcohol	Α	Chlorine, Anhydrous Liquid	N/A
Aniline	С	Chloroacetic Acid	D
Aqua Regia (80% HCl, 20% HNO3)	N/A	Chlorobenzene (Mono)	D
Arsenic Acid	C	Chloroform	D
Asphalt	В	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. tings 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	Α	Ferric Sulfate	N/A
Chromic Acid 10%	D	Ferrous Chloride	N/A
Chromic Acid 30%	D	Ferrous Sulfate	Ď
Chromic Acid 5%	D	Fluorine	N/A
Chromic Acid 50%	D	Fluorosilicic Acid	N/A
Chromic Acid 80%	D	Formaldehyde 100%	Ď
Cider	Α	Formaldehyde 40%	D
Citric Acid	Α	Formic Acid	N/A
Copper Cyanide	D	Fuel Oils	Á
Copper Nitrate	N/A	Furfural (Furfuraldehyde)	N/A
Copper Sulfate (more than 5%)	Ď	Gasoline (high-aromatic)	Á
Copper Sulfate 5%	D	Gasoline, leaded, ref.	Α
Cresols	N/A	Gasoline, unleaded	Α
Cresylic Acid	N/A	Glucose	Α
Cyclohexane	Á	Glycerin	Α
Cyclohexanone	D	Heptane	С
Detergents	Α	Hexane	С
Dichloroethane	В	Honey	Α
Diesel Fuel	Α	Hydrochloric Acid 100%	D
Diethylamine	Α	Hydrochloric Acid 20%	D
Diethylene Glycol	Α	Hydrochloric Acid 37%	D
Dimethyl Aniline	В	Hydrofluoric Acid 100%	N/A
Dimethyl Formamide	D	Hydrofluoric Acid 20%	N/A
Epsom Salts (Magnesium Sulfate)	Α	Hydrofluoric Acid 50%	N/A
Ethanol	Α	Hydrofluoric Acid 75%	N/A
Ethyl Acetate	D	Hydrogen Peroxide 10%	Ċ
Ethyl Chloride	Α	Hydrogen Peroxide 100%	D
Ethylene Chloride	В	Hydrogen Peroxide 30%	D
Ethylene Chlorohydrin	D	Hydrogen Peroxide 50%	D
Ethylene Dichloride	С	Hydrogen Sulfide (aqua)	С
Ethylene Glycol	Α	Isopropyl Acetate	В
Ethylene Oxide	D	Isopropyl Ether	С
Fatty Acids	N/A	Jet Fuel (JP3, JP4, JP5)	С
Ferric Chloride	A	Kerosene	Α
Ferric Nitrate	Α	Ketones	D

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Lacquer Thinners D Lacquers D Lacquers D Nitromethane D Lactic Acid B Oils: Citric A Lard A Coils: Fuel Oil (1, 2, 3, 5A, 5B, 6) A Lead Sulfamate Lubricants B Oils: Mineral Lubricants B Oils: Mineral Lubricants B Oils: Mineral A Lubricants B Oils: Mineral A Lubricants B Oils: Mineral A Lubricants B Oils: Piue A Lye: Ca(OH)2 Calcium Hydroxide C C Ozone D Lye: NaOH Potassium Hydroxide A Lye: NaOH Potassium Hydroxide A Lye: NaOH Sodium Hydroxide A Magnesium Chloride A Magnesium Nitrate A Magnesium Nitrate A Magnesium Nitrate A Magnesium Sulfate (Epsom Salts) A Mercuric Chloride (dilute) N/A Mercuric Chloride (dilute) N/A Mercury N/A Methyl Acetate D Methyl Chloride B Methyl Chloride B Methyl Chloride B Methyl Chloride B Methyl Chloride C Methyl Ethyl Ketone D D Potassium Dihromate B Methyl Chloride Methyl Retone D Methyl Chloride D Methyl Retone D Methyl Chloride B Methyl Chloride C Methyl Chloride A Methyl Chloride B Methyl Chloride C Methyl Retone D Motor oil A Methyl Ethyl Ketone D Motor oil A Methyl Chloride C Methyl Chloride A Methyl Chloride A Methyl Chloride C Methyl Chloride C Methyl Chloride C Methyl Chloride C Methyl Chloride A Methyl Chloride C	Chemical Substance	Rating	Chemical Substance	Rating
Lactic Acid Lard Lard Lard Lard Lard A Dils: Citric A Lard A Dils: Filer Dil (1, 2, 3, 5A, 5B, 6) A Lead Sulfamate B Lubricants B Lubricants Lye: Ca(OH)2 Calcium Hydroxide A Lye: KOH Potassium Hydroxide C Lye: NoH Potassium Hydroxide A Lye: KOH Potassium Hydroxide A Lye: NoH Sodium Hydroxide A Magnesium Chloride A Magnesium Chloride A Magnesium Nitrate A Magnesium Nitrate A Magnesium Sulfate (Epsom Salts) A Mercuric Chloride (dilute) N/A Mercury N/A Mercury N/A Methyl Alcohol B Methyl Ketone D Motassium Dichromate B Methyl Chloride A Methyl Chloride B Methyl Chloride B Methyl Ketone D Motor oil A Methyl Chloride C Methyl Ketone D Motor oil A Methyl Chloride A Methyl Chloride C Methyl Ketone D Motor oil A Potassium Sulfate A Mustard A Propane (liquefied) B Motor oil A Propane (liquefied) B Motor oil A Niric Acid (50%) N/A Silicone C Nitric Acid (20%) N/A Silicone C Nitric Acid (50%) N/A Soap Solutions A Nitric Acid (50%) N/A Soap Solutions	Lacquer Thinners	D	Nitrobenzene	D
Lactic Acid Lard A A Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6) A Lead Sulfamate B Oils: Mineral A Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6) A Lubricants B Oils: Mineral A Lubricants B Oils: Oilve A Lye: Ca(OH)2 Calcium Hydroxide A Lye: Ca(OH)2 Calcium Hydroxide C Ozone D Lye: NaOH Sodium Hydroxide A Magnesium Hydroxide A Magnesium Chloride A Magnesium Nitrate A Magnesium Nitrate A Magnesium Nitrate A Magnesium Sulfate (Epsom Salts) A Mercuric Chloride (dilute) N/A Mercury N/A Mercury N/A Methanol (Methyl Alcohol) B Methanol (Methyl Alcohol) B Methanol (Methyl Alcohol) B Methyl Acetate D Methyl Acetate D Methyl Acetate D Methyl Acetone D Methyl Cellosolve D Methyl Cellosolve D Methyl Cellosolve D Methyl Chloride B Methyl Chloride B Methyl Chloride B Methyl Chloride B Methylen Chloride C Methyl Sasium Dichromate B Methylen Chloride C Methyl Sasium Dichromate B Methylen Chloride A Mustard A Mustard A Mustard A Mustard A A Propane (liquefied) B Motor oil A Mirric Acid (20%) N/A Nitric Acid (20%) N/A Nitric Acid (50%) N/A Nitric Acid (·	D	Nitromethane	D
Lead Sulfamate B Oils: Mineral A Lubricants B Oils: Olive A Oils: Olive A Lye: Ca(OH)2 Calcium Hydroxide A Oils: Pline A Oils: Pline A Lye: Ca(OH)2 Calcium Hydroxide C Ozone D Lye: NOH Potassium Hydroxide A Paraffin A Magnesium Chloride A Pentane C Magnesium Hydroxide N/A Perchloroethylene C Magnesium Hydroxide N/A Perchloroethylene C Magnesium Nitrate A Phenol (10%) D Magnesium Sulfate (Epsom Salts) A Phenol (Carbolic Acid) D Mercuric Chloride (dilute) N/A Phosphoric Acid (more than 40%) C Mercury N/A Phosphoric Acid (more than 40%) C Methyl Alcohol 10% B Phosphoric Acid (less than 40%) C Methyl Alcohol 10% B Phosphoric Acid (less than 40%) C Methyl Alcohol 10% B Phosphoric Acid (less than 40%) C Methyl Alcohol 10% B Photographic Solutions A Methyl Calciosolve D Potassium Bromide A Methyl Cellosolve D Potassium Chlorate C Methyl Chloride B Potassium Chlorate C Methyl Ethyl Ketone D Potassium Chlorate B Methylene Chloride C Potassium Nitrate B Methylene Chloride A Potassium Nitrate B Milk A Potassium Permanganate D Motor oil A Potassium Permanganate D Motor oil A Propale Glycol A Nickel Chloride C Pyridine D Nickel Nitrate A Sea Water N/A Nitric Acid (50%) N/A Silicone C Nitric Acid (50%) N/A Soap Solutions A Nitric Acid (50%) N/A Soap Solutions A Nitric Acid (50%) N/A Soap Solutions A	•	В	Oils: Citric	Α
Lead Sulfamate B Oils: Mineral A Lubricants B Oils: Olive A Oils: Olive A Lye: Ca(OH)2 Calcium Hydroxide A Oils: Pline A Oils: Pline A Lye: Ca(OH)2 Calcium Hydroxide C Ozone D Lye: NOH Potassium Hydroxide A Paraffin A Magnesium Chloride A Pentane C Magnesium Hydroxide N/A Perchloroethylene C Magnesium Hydroxide N/A Perchloroethylene C Magnesium Nitrate A Phenol (10%) D Magnesium Sulfate (Epsom Salts) A Phenol (Carbolic Acid) D Mercuric Chloride (dilute) N/A Phosphoric Acid (more than 40%) C Mercury N/A Phosphoric Acid (more than 40%) C Methyl Alcohol 10% B Phosphoric Acid (less than 40%) C Methyl Alcohol 10% B Phosphoric Acid (less than 40%) C Methyl Alcohol 10% B Phosphoric Acid (less than 40%) C Methyl Alcohol 10% B Photographic Solutions A Methyl Calciosolve D Potassium Bromide A Methyl Cellosolve D Potassium Chlorate C Methyl Chloride B Potassium Chlorate C Methyl Ethyl Ketone D Potassium Chlorate B Methylene Chloride C Potassium Nitrate B Methylene Chloride A Potassium Nitrate B Milk A Potassium Permanganate D Motor oil A Potassium Permanganate D Motor oil A Propale Glycol A Nickel Chloride C Pyridine D Nickel Nitrate A Sea Water N/A Nitric Acid (50%) N/A Silicone C Nitric Acid (50%) N/A Soap Solutions A Nitric Acid (50%) N/A Soap Solutions A Nitric Acid (50%) N/A Soap Solutions A	Lard	Α	Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6)	Α
Lye: Ca(OH)2 Calcium Hydroxide Lye: KOH Potassium Hydroxide C Lye: NaOH Sodium Hydroxide A Magnesium Chloride A Magnesium Nitrate A Magnesium Nitrate A Magnesium Nitrate A Magnesium Sulfate (Epsom Salts) Mercuric Chloride (dilute) Morcury	Lead Sulfamate	В		Α
Lye: KOH Potassium Hydroxide Lye: NaOH Sodium Hydroxide A A Paraffin A Magnesium Chloride A A Pentane C Magnesium Hydroxide N/A Perchloroethylene C Magnesium Nitrate A A Phenol (10%) D Magnesium Sulfate (Epsom Salts) A Mercuric Chloride (dilute) N/A Phosphoric Acid (more than 40%) C Mercury N/A Phosphoric Acid (crude) B Methanol (Methyl Alcohol) B Methyl Alcohol 10% B Methyl Alcohol 10% B Methyl Alcohol 10% B Methyl Butyl Ketone D Potassium Bromide A Methyl Cellosolve D Methyl Cellosolve D Methyl Ellosolve D Methyl Ellosolve D Methyl Elhyl Ketone D Methyl Elhyl Ketone D Methyl Elhyl Ketone D Methyl Elhyl Ketone D Methyl Endoride A Methyl Elhyl Ketone D Methyl Elhyl Ketone D Methylene Chloride B Mineral Spirits B Mineral Spirits B Mineral Spirits B Motor oil A Motor oil A Motor oil A Motor oil A Notor oil A Notor oil A Notor oil A Nitric Acid (20%) Ni/A Nitric Acid (50%) N/A Nitric Acid (50%) N/A Nitric Acid (50%) N/A Nitric Acid (50-10%) N/A Nitric Acid (50	Lubricants	В	Oils: Olive	Α
Lye: NaOH Sodium Hydroxide A A Peraffin A A Perchlorotel A Pentane C C Magnesium Hydroxide N/A Perchloroethylene C Magnesium Nitrate A Phenol (10%) D Magnesium Sulfate (Epsom Salts) A Phenol (Carbolic Acid) D Mercuric Chloride (dilute) N/A Phosphoric Acid (crude) B Phosphoric Acid (crude) B Phosphoric Acid (crude) B Phosphoric Acid (less than 40%) C Methyl Alcohol 10% B Phosphoric Acid (less than 40%) C Methyl Acetate D Phosphoric Acid (less than 40%) C Methyl Acetate D Phosphoric Acid (less than 40%) C Methyl Butyl Ketone D Potassium Bromide A Methyl Cellosolve D Potassium Bromide A Methyl Chloride B Potassium Chlorate C Methyl Ethyl Ketone D Potassium Chlorate B Methyl Ethyl Ketone D Potassium Dichromate B Methylene Chloride C Potassium Nitrate B Mineral Spirits B Potassium Nitrate B Mineral Spirits B Potassium Permanganate D Motor oil A Potassium Permanganate D Motor oil A Potassium Permanganate D Notassium Permanganate D Notassi	Lye: Ca(OH)2 Calcium Hydroxide	Α	Oils: Pine	Α
Magnesium ChlorideAPentaneCMagnesium HydroxideN/APerchloroethyleneCMagnesium NitrateAPhenol (10%)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)N/APhosphoric Acid (more than 40%)CMercuryN/APhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)CMethyl AcetateDPhotographic SolutionsAMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveDPotassium ChlorateCMethyl ChlorideBPotassium ChlorateAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium NitrateBMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPotassium SulfateANaphthaAPropane (liquefied)BNaphthaAPropane (liquefied)BNickel ChlorideCPyridineDNickel SulfateASalicylic AcidANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA		С	Ozone	D
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Magnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)N/APhosphoric Acid (more than 40%)CMercuryN/APhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)CMethyl AcetateDPhotographic SolutionsAMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveDPotassium ChlorateCMethyl ChlorideBPotassium ChlorateAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium DichromateBMethylene ChlorideCPotassium NitrateBMineral SpiritsBPotassium SulfateAMiotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel SulfateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (50%)N/ASoap SolutionsA		Α	Pentane	
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MercuryN/APhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)CMethyl AcetateDPhotographic SolutionsAMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveDPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium PermanganateDMustardAPropane (liquefied)BNaphthaAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel SulfateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (50%)N/ASoap SolutionsA	Mercuric Chloride (dilute)	N/A	Phosphoric Acid (more than 40%)	С
Methyl AcetateDPhotographic SolutionsAMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveDPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA		N/A		
Methyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveDPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methanol (Methyl Alcohol)	В	Phosphoric Acid (less than 40%)	С
Methyl Butyl KetoneDPotassium BromideAMethyl CellosolveDPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methyl Acetate	D	Photographic Solutions	Α
Methyl CellosolveDPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methyl Alcohol 10%	В	Picric Acid	С
Methyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methyl Butyl Ketone	D	Potassium Bromide	Α
Methyl Ethyl KetoneDPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methyl Cellosolve	D	Potassium Chlorate	С
Methylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methyl Chloride	В	Potassium Chloride	Α
MilkAPotassium NitrateBMineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methyl Ethyl Ketone	D	Potassium Dichromate	
Mineral SpiritsBPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Methylene Chloride	С	Potassium Hydroxide (Caustic Potash)	С
Motor oilAPotassium SulfateAMustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Milk	Α	Potassium Nitrate	В
MustardAPropane (liquefied)BNaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Mineral Spirits	В	Potassium Permanganate	D
NaphthaAPropylene GlycolANickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Motor oil	Α	Potassium Sulfate	Α
Nickel ChlorideCPyridineDNickel NitrateASalicylic AcidANickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Mustard	Α	Propane (liquefied)	В
Nickel Nitrate A Salicylic Acid A Nickel Sulfate A Sea Water N/A Nitric Acid (20%) N/A Silicone C Nitric Acid (50%) D Silver Nitrate A Nitric Acid (5-10%) N/A Soap Solutions A	Naphtha	Α	Propylene Glycol	Α
Nickel SulfateASea WaterN/ANitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Nickel Chloride	С	Pyridine	D
Nitric Acid (20%)N/ASiliconeCNitric Acid (50%)DSilver NitrateANitric Acid (5-10%)N/ASoap SolutionsA	Nickel Nitrate	Α	Salicylic Acid	Α
Nitric Acid (50%) D Silver Nitrate A Nitric Acid (5-10%) N/A Soap Solutions A	Nickel Sulfate	Α	Sea Water	N/A
Nitric Acid (5-10%) N/A Soap Solutions A	Nitric Acid (20%)	N/A	Silicone	С
	Nitric Acid (50%)	D	Silver Nitrate	Α
Nitric Acid (Concentrated) D Soda Ash (see Sodium Carbonate) B	Nitric Acid (5-10%)	N/A	Soap Solutions	Α
	Nitric Acid (Concentrated)	D	Soda Ash (see Sodium Carbonate)	В

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.

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

Chemical Substance	Katın
Xylene	Α
Zinc Chloride	Α
Zinc Sulfate	Α

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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.

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