

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

**Product Series: Product Type: Housing Material: Diaphragm Material:** Inlet: **Outlet:** Max Operating Temp: 203.00°F / 95.00°C Min Operating Temp: -30.00°F / -34.44°C **Product SKU:** 

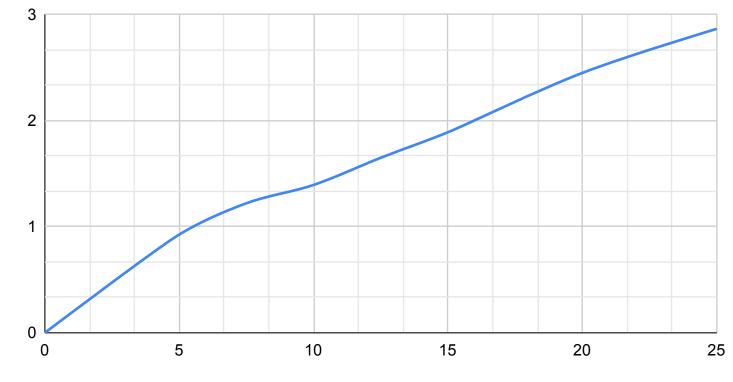
**MPVC** Inline Check Valve Cleanroom Nylon 0.030" Kalrez Natural Nylon 22HSP Black Nylon 22HSP 001040103

#### **Physical Properties**

Size and Weight: 1.550 Long 0.763 Wide, 2.65g Max Operating Tensile Stress: 40 lbs Max Allowable Leak Rate: 0.009 cm^3/sec @ 65 psi (air) Max Operating Pressure: 65 psi (air) 0.0 psi (Normally Open) Cracking Pressure: Required Sealing Back Pressure: Less than 0.1 psi (air)

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



Test Pressure (psi)

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Flow Rate (gpm)

# Pneuline Supply, Inc. DATA SHEET MPVC-5B-NK 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.

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#### **Chemical Substance** Rating **Chemical Substance** Rating Barium Carbonate Acetaldehvde A А Acetamide А Barium Chloride A Acetic Acid D Barium Hydroxide А Acetic Acid 20% D Barium Nitrate А D Acetic Acid 80% Barium Sulfate А Acetic Acid, Glacial В Beer А Acetic Anhydride А Benzaldehyde А Benzene А Acetone А В D Acetyl Chloride (dry) Benzoic Acid Acetylene Benzol D А Alcohols: Amyl A Bromine D Alcohols: Butyl D Butadiene С Alcohols: Ethvl A Butane А Alcohols: Isopropyl D Butanol (Butyl Alcohol) В Alcohols: Methyl В Buttermilk В Aluminum Chloride 20% D **Butyl Amine** А Aluminum Hvdroxide A Butyl acetate А С Aluminum Nitrate А Butyric Acid D Aluminum Potassium Sulfate 10% Calcium Bisulfite А Aluminum Potassium Sulfate 100% D Calcium Carbonate А Aluminum Sulfate Δ Calcium Hydroxide А Amines D Calcium Hypochlorite D Ammonia 10% A Calcium Nitrate А В D Ammonia, anhydrous Calcium Sulfate Ammonia, liquid В Carbolic Acid (Phenol) D Ammonium Chloride В Carbon Disulfide В В Ammonium Hydroxide Carbon Tetrachloride D Ammonium Phosphate, Dibasic С Carbonic Acid А Chlorine (dry) Ammonium Sulfate D Δ Amyl Acetate В Chlorine Water С Amyl Alcohol A Chlorine, Anhydrous Liquid D D Aniline A Chloroacetic Acid Agua Regia (80% HCl, 20% HNO3) D Chlorobenzene (Mono) D Arsenic Acid С Chloroform А

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.

Α

Chlorosulfonic Acid

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Asphalt

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

D

#### Pneuline Supply, Inc. Data Sheet MPVC-5B-NK

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

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# Pneuline Supply, Inc. DATA SHEET

# MPVC-5B-NK

Lacquer ThinnersANitromethaneBLacquersANitromethaneBLactic AcidBOils: CitricALardAOils: CitricALard AAOils: CitricALead SulfamateBOils: MineralALubricantsAOils: OilveALye: Ca(OH)2 Calcium HydroxideAOils: PineALye: KOH Potassium HydroxideCOzoneDLye: NaOH Sodium HydroxideBPerthaneAMagnesium ChlorideBPerthoroethyleneCMagnesium NitrateAPhenol (Carbolic Acid)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuryAPhosphoric Acid (more than 40%)BMethyl Acchol 10%BPhosphoric Acid (less than 40%)BMethyl Alcohol 10%BPhotassium ChlorideAMethyl I Alcohol 10%BPhotassium ChlorideAMethyl I StoreDPotassium ChlorideAMethyl I StoreAPotassium ChlorideAMethyl I StoreBPotassium ChlorideAMethyl I Ethyl KetoneAPotassium MydroxideAMethyl Ethyl KetoneAPotassium NitrateBMethyl I Ethyl KetoneAPotassium NitrateBMethyl Ethyl KetoneAPotassium NitrateBMitrik KAPotassium NitrateBMitrik KAPotassium	Chemical Substance	Rating	<b>Chemical Substance</b>	Rating
Lactic AcidBOils: CitricALardAOils: Fuel Oil (1, 2, 3, 5A, 5B, 6)ALead SulfamateBOils: MineralALubricantsAOils: OliveALye: Ca(OH)2 Calcium HydroxideAOils: PineALye: KOH Potassium HydroxideCOzoneDLye: NoH Potasium HydroxideAParaffinAMagnesium ChlorideAPertaneAMagnesium HydroxideBPerchloroethyleneCMagnesium NitrateAPhenol (10%)DMagnesium NitrateAPhenol (Carbolic Acid)DMagnesium NitrateAPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (less than 40%)BMethyl AcetateAPhotographic SolutionsAMethyl AcetateAPotassium BromideAMethyl AcetateBPotassium ChlorideCMethyl CollosiveCPotassium ChlorideAMethyl CollosiveCPotassium BromideAMethyl ChlorideBPotassium BromideAMethyl ChlorideAPotassium BromateBMethyl ChlorideAPotassium ReferenceAMethyl ChlorideAPotassium BromateBMethyl AcetateAPotassium BromateBMethyl AcetateAPotassium BromateBMethyl ChlorideAPotassium BromateBMethyl ChlorideA <t< td=""><td>Lacquer Thinners</td><td>A</td><td>Nitrobenzene</td><td>В</td></t<>	Lacquer Thinners	A	Nitrobenzene	В
LardAOils: Fuel Oil (1, 2, 3, 5A, 5B, 6)ALead SulfamateBOils: MineralALubricantsAOils: OilveALye: Ca(OH)2 Calcium HydroxideAOils: PineALye: KOH Potassium HydroxideCOzoneDLye: NoH Sodium HydroxideAParaffinAMagnesium ChlorideAPentaneAMagnesium HydroxideBPertolorethyleneCMagnesium NitrateAPhenol (Carbolic Acid)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuryAPhosphoric Acid (more than 40%)BMethyl AcchaleAPhosphoric Acid (crude)BMethyl AcchaleAPhosphoric Acid (crude)BMethyl Acchol 10%BPhosphoric Acid (crude)BMethyl Acchol 10%BPhosphoric Acid (crude)CMethyl Acchol 10%BPhosphoric Acid (crude)AMethyl Acchol 10%BPhosphoric Acid (crude)CMethyl Acchol 10%BPhotassium BromideAMethyl ChlorideBPotassium ChlorateCMethyl ChorideBPotassium DichromateBMethylene ChlorideAPotassium NitrateBMilkAPotassium NitrateBMethyl ChorideAPotassium NitrateAMethyl ChlorideAPropale (liquefied)AMethyl ChorideAPotassium NitrateB </td <td>Lacquers</td> <td>А</td> <td>Nitromethane</td> <td>В</td>	Lacquers	А	Nitromethane	В
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Lead SulfamateBOils: MineralALubricantsAOils: NineralALye: Ca(OH)2 Calcium HydroxideAOils: OiveALye: KOH Potassium HydroxideCOzoneDLye: NaOH Sodium HydroxideAParaffinAMagnesium ChlorideAPentaneAMagnesium NitrateAPhenol (10%)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMethaol (Methyl Alcohol)BPhosphoric Acid (crude)BMethaol (Methyl Alcohol)BPhosphoric Acid (crude)BMethyl AcetateAPhotographic SolutionsAMethyl CellosolveCPotassium BromideAMethyl Lethyl KetoneBPotassium DichromateCMethyl ChlorideAPotassium DichromateBMethyl Lethyl KetoneAPotassium DichromateBMethyl Lethyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium SulfateAMilikAPotassium SulfateAAMilaradAPropane (liquefied)AAMitrica Acid (20%)DSiliconeAAMitric Acid (20%)DSiliconeAANitric Acid (50%)DSilicer NitrateAANitric Acid (50%)DSilicer NitrateAANit	Lard	А	Oils: Fuel Oil (1, 2, 3, 5A, 5B, 6)	А
Lye: Ca(OH)2 Calcium HydroxideAOils: PineALye: KOH Potassium HydroxideCOzoneDLye: NaOH Sodium HydroxideAParaffinAMagnesium ChlorideAPertaneAMagnesium NitrateAPhenol (10%)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)BMethyl AcetateAPhosphoric Acid (less than 40%)BMethyl AcetateAPhosphoric Acid (crude)AMethyl AcetateAPhotographic SolutionsAMethyl CellosolveCPotassium ChlorateCMethyl CellosolveCPotassium ChlorateBMethyl CellosolveCPotassium ChlorateBMethyl Ethyl KetoneAPotassium SulfateAMethyl Ethyl KetoneAPotassium SulfateAMilikAPotassium SulfateAMineral SpiritsAPropane (liquefied)AMustardAPropane (liquefied)ANickel ChlorideCPyridineCMustardAPropane (liquefied)ANickel SulfateASea WaterANickel SulfateASailiconeANickel SulfateASailiconeANit	Lead Sulfamate	В	Oils: Mineral	А
Lye: KOH Potassium HydroxideCOzoneDLye: NaOH Sodium HydroxideAParaffinAMagnesium ChlorideAPentaneAMagnesium HydroxideBPerchloroethyleneCMagnesium Sulfate (Epsom Salts)APhenol (10%)DMercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (crude)BMethyl AcetateAPhotographic SolutionsAMethyl AcetateAPhotographic SolutionsAMethyl AcetateDPotassium ChlorideCMethyl Reconol 10%BPicric AcidCMethyl ChlorideCPotassium ChlorateCMethyl EndorideAPotassium ChlorateBMethyl EndorideAPotassium NitrateBMethylene ChlorideAPotassium NitrateBMilkAPotassium NitrateAMineral SpiritsAPropane (liquefied)AMustardAPropane (liquefied)ANaphthaAPropane (liquefied)ANickel KilrateASaicylic AcidANickel SulfateASaicylic Acid<	Lubricants	А	Oils: Olive	А
Lye: NaOH Sodium HydroxideAParaffinAMagnesium ChlorideAPentaneAMagnesium HydroxideBPerchloroethyleneCMagnesium NitrateAPhenol (10%)DMagnesium NitrateAPhenol (Carbolic Acid)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)BMethyl AcctateAPhotographic SolutionsAMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveCPotassium ChlorateCMethyl Ethyl KetoneAPotassium DichromateBMethyl EthorideAPotassium DichromateBMilkAPotassium NitrateBMineral SpiritsAPropane (liquefied)AMustardAPropane (liquefied)ANaphthaASalicylic AcidANickel ChlorideASalicylic AcidANickel SulfateASalicylic AcidANickel SulfateASalicylic AcidANickel SulfateASalicylic AcidANickel SulfateASalicylic AcidANickel SulfateASalicylic AcidANitric Acid (20	Lye: Ca(OH)2 Calcium Hydroxide	А	Oils: Pine	А
Magnesium ChlorideAPentaneAMagnesium HydroxideBPerchloroethyleneCMagnesium NitrateAPhenol (10%)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (crude)BMethyl AcetateAPhosphoric SolutionsAMethyl AcetateAPhotographic SolutionsAMethyl AcetateDPotassium BromideAMethyl Sutyl KetoneDPotassium ChlorateCMethyl ChlorideBPotassium ChlorateCMethyl ChlorideBPotassium ChlorateBMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium MitrateBMilkAPotassium SulfateAMilkAPotassium SulfateAMineral SpiritsAPropane (liquefied)AMustardAPropane (liquefied)ANaphthaAPropane (liquefied)ANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANickel SulfateASalicylic AcidANickel ChlorideDSiliconeANickel SulfateASalicylic AcidANickel SulfateASalicylic AcidANickel SulfateASalicylic AcidA <td>Lye: KOH Potassium Hydroxide</td> <td>С</td> <td>Ozone</td> <td>D</td>	Lye: KOH Potassium Hydroxide	С	Ozone	D
Magnesium HydroxideBPerchloroethyleneCMagnesium NitrateAPhenol (10%)DMagnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (iss than 40%)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)BMethyl AcetateAPhosphoric Acid (less than 40%)BMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveCPotassium ChlorateCMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium DichromateBMethylene ChlorideCPotassium NitrateBMilkAPotassium SulfateAMineral SpiritsAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropane (liquefied)ANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANickel SulfateASalicylic AcidANitric Acid (20%)DSilver NitrateANitric Acid (51%)DSoap SolutionsA	Lye: NaOH Sodium Hydroxide	А	Paraffin	А
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Magnesium Sulfate (Epsom Salts)APhenol (Carbolic Acid)DMercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)BMethyl AcetateAPhotographic SolutionsAMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveCPotassium ChlorateCMethyl Ethyl KetoneBPotassium ChlorateBMethyl Ethyl KetoneCPotassium DichromateBMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl RetoneAPotassium NitrateBMethyl Ethyl RetoneAPotassium SulfateAMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl RetoneAPotassium NitrateBMethyl Ethyl RetoneAPotassium SulfateAMethyl Ethyl KetoneAPotassium SulfateAMethyl Ithyl RetoneAPropave (liquefied)AMineral SpiritsAPotassium SulfateAMustardAPropave (liquefied)ANickel ChlorideCPyridineCNickel ChlorideCPyridineCNickel SulfateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSilicon	Magnesium Hydroxide	В	Perchloroethylene	С
Mercuric Chloride (dilute)DPhosphoric Acid (more than 40%)BMercuryAPhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)BMethyl AcetateAPhosphoric Acid (less than 40%)BMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveCPotassium ChlorateCMethyl ChlorideBPotassium ChlorateBMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium DichromateBMethyl EndorideCPotassium DichromateBMethyl Ethyl KetoneAPotassium DichromateBMethyl EndorideCPotassium NitrateBMethyl IspiritsAPotassium NitrateBMineral SpiritsAPotassium PermanganateDMustardAPropavel (liquefied)ANaphthaAPropavel e GlycolANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (510%)DSoap SolutionsA	Magnesium Nitrate	А	Phenol (10%)	D
MercuryAPhosphoric Acid (crude)BMethanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)BMethyl AcetateAPhotographic SolutionsAMethyl Acetol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveCPotassium ChlorateCMethyl Ethyl KetoneBPotassium ChlorideAMethyl Ethyl KetoneAPotassium ChlorateBMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium NitrateBMethylene ChlorideCPotassium NitrateBMilkAPotassium NitrateBMineral SpiritsAPotassium PermanganateCMustardAPropane (liquefied)ANaphthaAPropane (liquefied)ANickel ChlorideCPyridineCNickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (5-10%)DSoap SolutionsA	Magnesium Sulfate (Epsom Salts)	А	Phenol (Carbolic Acid)	D
Methanol (Methyl Alcohol)BPhosphoric Acid (less than 40%)BMethyl AcetateAPhotographic SolutionsAMethyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CollosolveCPotassium ChlorateCMethyl ChlorideBPotassium ChlorateAMethyl Ethyl KetoneAPotassium ChlorateAMethyl Ethyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium DichromateBMethyl Ithyl KetoneAPotassium DichromateBMethyl Ethyl KetoneAPotassium DichromateBMethyl Ithyl KetoneAPotassium DichromateBMethyl Rethyl Ethyl KetoneAPotassium SulfateBMethyl Rethyl Ethyl KetoneAPotassium SulfateAMethyl Rethyl Ethyl KetoneAPropane (liquefied)AMethyl Rethyl Ethyl KetoneAPropylene GlycolAMickel ChlorideCPyridineCNickel SulfateASalicylic AcidANickel SulfateASea WaterANitric Acid (50%)DSiliconeANitric Acid (5-10%)DSoap SolutionsA	Mercuric Chloride (dilute)	D	Phosphoric Acid (more than 40%)	В
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Methyl Alcohol 10%BPicric AcidCMethyl Butyl KetoneDPotassium BromideAMethyl CellosolveCPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneAPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsAPotassium NitrateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNitric Acid (20%)DSiliconeANitric Acid (5-10%)DSoap SolutionsA	Methanol (Methyl Alcohol)	В	Phosphoric Acid (less than 40%)	В
Methyl Butyl KetoneDPotassium BromideAMethyl CellosolveCPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneAPotassium DichromateBMethylene ChlorideCPotassium NitrateBMilkAPotassium NitrateBMineral SpiritsAPotassium NitrateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANitric Acid (20%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Methyl Acetate	А	Photographic Solutions	А
Methyl CellosolveCPotassium ChlorateCMethyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneAPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsAPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANitric Acid (20%)DSiliconeANitric Acid (5-10%)DSoap SolutionsA	Methyl Alcohol 10%	В	Picric Acid	С
Methyl ChlorideBPotassium ChlorideAMethyl Ethyl KetoneAPotassium DichromateBMethylene ChlorideCPotassium Mydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsAPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANitric Acid (20%)DSiliconeANitric Acid (5-10%)DSoap SolutionsA	Methyl Butyl Ketone	D	Potassium Bromide	А
Methyl Ethyl KetoneAPotassium DichromateBMethylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsAPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Methyl Cellosolve	С	Potassium Chlorate	С
Methylene ChlorideCPotassium Hydroxide (Caustic Potash)CMilkAPotassium NitrateBMineral SpiritsAPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel SulfateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Methyl Chloride	В	Potassium Chloride	А
MilkAPotassium NitrateBMineral SpiritsAPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel NitrateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSoap SolutionsA	Methyl Ethyl Ketone	A	Potassium Dichromate	В
Mineral SpiritsAPotassium PermanganateDMotor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel NitrateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Methylene Chloride	С	Potassium Hydroxide (Caustic Potash)	С
Motor oilAPotassium SulfateAMustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel NitrateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Milk	A	Potassium Nitrate	В
MustardAPropane (liquefied)ANaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel NitrateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Mineral Spirits	A	Potassium Permanganate	D
NaphthaAPropylene GlycolANickel ChlorideCPyridineCNickel NitrateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Motor oil	A	Potassium Sulfate	А
Nickel ChlorideCPyridineCNickel NitrateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Mustard	A	Propane (liquefied)	Α
Nickel NitrateASalicylic AcidANickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Naphtha	A	Propylene Glycol	Α
Nickel SulfateASea WaterANitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Nickel Chloride	С	Pyridine	С
Nitric Acid (20%)DSiliconeANitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Nickel Nitrate	A	Salicylic Acid	А
Nitric Acid (50%)DSilver NitrateANitric Acid (5-10%)DSoap SolutionsA	Nickel Sulfate	A	Sea Water	А
Nitric Acid (5-10%) D Soap Solutions A	Nitric Acid (20%)	D	Silicone	А
		D	Silver Nitrate	А
Nitric Acid (Concentrated)DSoda Ash (see Sodium Carbonate)B	Nitric Acid (5-10%)	D	Soap Solutions	A
	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. 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
Sodium Acetate	В	Xylene	A
Sodium Bicarbonate	А	Zinc Chloride	А
Sodium Bisulfate	А	Zinc Sulfate	А
Sodium Bisulfite	С		
Sodium Carbonate	В		
Sodium Chlorate	D		
Sodium Chloride	А		
Sodium Hydroxide (20%)	А		
Sodium Hydroxide (50%)	А		
Sodium Hydroxide (80%)	С		
Sodium Hypochlorite (less than 20%)	D		
Sodium Peroxide	А		
Sodium Sulfate	А		
Sodium Sulfide	А		
Sodium Thiosulfate (hypo)	В		
Stannic Chloride	В		
Stearic Acid	А		
Stoddard Solvent	А		
Sulfur Dioxide (dry)	В		
Sulfuric Acid (less than 10%)	С		
Sulfuric Acid (10-75%)	D		
Tannic Acid	С		
Tetrachloroethylene	А		
Tetrahydrofuran	А		
Toluene (Toluol)	А		
Tomato Juice	А		
Trichloroethane	С		
Turpentine	В		
Urea	А		
Vinegar	А		
Water, Acid, Mine	A		
Water, Distilled	А		
Water, Fresh	A		
Water, Salt	A		
Whiskey and Wines	А		

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#### Chemical Compatibility Disclaimer

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

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