ver 21-Oct-2022

### 303 Stainless Steel Chemical Compatibility Chart

#### Chemical Acetaldehyde Α Acetate Solvents Α D Acetic Acid, 80% Acetic Acid, glacial C В Acetic Anhydride Α Acetone Acetyl Chloride, dry Α Acetylene Α В Acrylonitrile В Adipic Acid Alcohol, Amyl Α В Alcohol, Benzyl Alcohol, Butyl Α Alcohol, Diacetone Α Α Alcohol, Ethyl Alcohol, Hexyl Α Α Alcohol, Isobutyl Alcohol, Isopropyl В Α Alcohol, Methyl, 10% (methanol) Alcohol, Octyl Α Α Alcohol, Propyl Α Acrylonitrile С Aluminum Chloride Aluminum Chloride, 20% D Aluminum Fluoride D Aluminum Hydroxide В **Aluminum Nitrate** Α Aluminum Potassium Sulfate 10% Α Aluminum Potassium Sulfate 100% D **Amines** Α Α Ammonia, 10% Α Ammonia, anhydrous Ammonia Nitrate Α Ammonium Bifluoride

#### Chemical

Onemical	
Ammonium Carbonate	В
Ammonium Chloride	С
Ammonium Hydroxide	А
Ammonium Nitrate	Α
Ammonium Oxalate	А
Ammonium Persulfate	Α
Ammonium Phosphate, Dibasic	В
Ammonium Phosphate, Tribasic	В
Ammonium Sulfate	С
Amyl Acetate	В
Amyl Alcohol	А
Amyl Chloride	С
Amyl Hydride (pentane, n-Pentane)	С
Aniline	В
Aniline Oils	В
Aniline Hydrochloride	D
Antimony Trichloride	D
Aqua Regia (80% HCI, 20% HNO <sub>3</sub> )	D
Arsenic Acid	В
Barium Carbonate	В
Barium Chloride	С
Barium Cyanide	С
Barium Hydroxide	В
Barium Sulfate	В
Barium Sulfide	В
Beer	Α
Beet Sugar Liquids	Α
Benzaldehyde	Α
Benzene	В
Benzoic Acid	В
Benzol (benzole)	С
Benzonitrile	D
Benzyl Alcohol	В
Borax (sodium borate	А

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about  $64^{\circ}F$  ( $18^{\circ}C$ ) to  $73^{\circ}F$  ( $23^{\circ}C$ ) A = Excellent C = Fair - Moderate Effect, not recommended

B= Good - Minor Effect, slight corrosion or discoloration

D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage



#### **Industrial Specialties Mfg. and IS Med Specialties**

#### Chemical **Boric Acid** В **Bromine** D D Bromine, wet Butadiene Α Α Butane Butanol (butyl alcohol) Α **Butter** В С Buttermilk Butyl Alcohol (butanol) Α Butylene Α **Butyric Acid** В С Calcium Bisulfate В Calcium Carbonate C Calcium Chloride В Calcium Hydroxide D Calcium Hypochlorite Calcium Sulfate В Calgon Α Cane Juice Α Carbon Bisulfide В Α Carbon Dioxide, dry Carbon Dioxide, wet Α С Carbon Disulfide Carbon Monoxide Gas Α Carbon Tetrachloride, wet В В Carbonated Water (carbonic acid) Carbonic Acid (carbonated water) В Castor Oil Α Α Catsup D Chloric Acid В Chlorine, dry Chlorine Water D Chloroacetic Acid D Chlorobenzene, Mono Α Chloroform Α Chlorosulfonic Acid D

Chemical

············	
Chocolate Syrup	Α
Chromic Acid 50%	С
Cinnamon Oil	Α
Cider	Α
Citric Oils (citrus oils, limonene)	Α
Clorox® (bleach, sodium hypochlorite, 5.25%)	Α
Coconut Oil	Α
Cod Liver Oil	Α
Coffee	Α
Coffee Extracts, hot	Α
Copper Chloride	С
Copper Fluoborate	D
Copper Nitrate	В
Copper Sulfate	В
Corn Oil	Α
Cream	Α
Cresols	С
Creosote Oil	В
Cresylic Acid	В
Cupric Acid	D
Cyanic Acid	Α
Cyclohexane	С
Cyclohexanone	С
Detergents	С
Diacetone Alcohol	Α
Diesel Fuel Oils (20, 30, 40, 50)	Α
Diethylene Glycol	С
Diethylamine	Α
Dimethyl Formamide	Α
Dyes	Α
Epsom Salts (magnesium sulfate)	В
Ethane Gas	А
Ethanolamine	Α
Ether	Α
Ethyl Alcohol (ethanol)	Α
Ethyl Chloride	Α

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Ethylene Bromide A Ferric Chloride D Ferrous Chloride D Ferrous Sulfate B Fluorine D Formaldehyde B Fromic Acid C Freon 11 Trichlorofluoromethane A Freon 22 Chlorodifluoromethane A Fruit Juice A Fuel Oils (1, 2, 3, 5A, 5B, 6) A Furan Resin C Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, unleaded A Gelatin A Gilue (PVA, polyvinyl acetate) B Glycerine A Glycolic Acid A Gold Monocyanide A Grease A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, petroleum A Hydraulic Oils, petroleum A Hydrazine A Hydrazine A Hydrazine D Ferrous Chloride D Ferrous Sulfate B B Grease A Hydrazine A	Chemical	
Ferric Chloride D Ferrous Chloride D Ferrous Sulfate B Fluorine D Formaldehyde B Formic Acid C Freon 11 Trichlorofluoromethane A Freon 22 Chlorodifluoromethane A Freon TF Trichlorotrifluoroethane A Fruit Juice A Fuel Oils (1, 2, 3, 5A, 5B, 6) A Furan Resin C Furfural A Gasoline, high aromatic A Gasoline, unleaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Grape Juice A Grease A Heptane A Hexane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Ethyl Sulfate	D
Ferrous Chloride  Ferrous Sulfate  Fluorine  D  Formaldehyde  B  Formic Acid  C  Freon 11 Trichlorofluoromethane  Freon 22 Chlorodifluoromethane  A  Freon TF Trichlorotrifluoroethane  A  Fruit Juice  A  Fuel Oils (1, 2, 3, 5A, 5B, 6)  Furan Resin  C  Furfural  A  Gallic Acid  B  Gasoline, high aromatic  A  Gasoline, unleaded  A  Gasoline, unleaded  A  Ginger Oil  D  Glucose  A  Glue (PVA, polyvinyl acetate)  B  Glycerine  A  Grape Juice  A  Grease  A  Heptane  A  Hexane  A  Hexane  A  Hydraulic Oils, petroleum  Hydraulic Oils, synthetic  A  B  C  Ferrous Sulfate  B  B  C  C  Fremic Acid  C  A  A  C  Grease  A  Hydraulic Oils, synthetic  A  Hydrazine	Ethylene Bromide	Α
Ferrous Sulfate  Fluorine  Formaldehyde  Formic Acid  C  Freon 11 Trichlorofluoromethane  Freon 22 Chlorodifluoromethane  A  Freon TF Trichlorotrifluoroethane  A  Fruit Juice  A  Fuel Oils (1, 2, 3, 5A, 5B, 6)  Furan Resin  C  Furfural  Gallic Acid  B  Gasoline, high aromatic  A  Gasoline, unleaded  A  Gelatin  A  Ginger Oil  D  Glucose  A  Glue (PVA, polyvinyl acetate)  B  Glycerine  A  Grape Juice  A  Grease  A  Heptane  A  Hexane  A  Hexane  A  Hexyl Alcohol  A  Hydraulic Oils, petroleum  A  Hydraulic Oils, synthetic  A  C  C  Frenon 11 Trichlorofriduoromethane  A  B  A  C  C  Freon 12 Trichlorofriduoromethane  A  A  A  Grease  A  Hydraulic Oils, synthetic  A  A  Hydrazine	Ferric Chloride	D
Fluorine  Formaldehyde  Formic Acid  C  Freon 11 Trichlorofluoromethane  A  Freon 22 Chlorodifluoromethane  A  Freon TF Trichlorotrifluoroethane  A  Fruit Juice  A  Fuel Oils (1, 2, 3, 5A, 5B, 6)  Furan Resin  C  Furfural  A  Gallic Acid  B  Gasoline, high aromatic  A  Gasoline, leaded  A  Gasoline, unleaded  A  Gelatin  A  Ginger Oil  D  Glucose  A  Glue (PVA, polyvinyl acetate)  B  Glycerine  A  Glycerine  A  Grape Juice  A  Grease  A  Heptane  A  Hexane  A  Hexane  A  Hexane  A  Hydraulic Oils, petroleum  A  Hydraulic Oils, synthetic  A  Greaze  Hydrazine	Ferrous Chloride	D
Formaldehyde Formic Acid C Freon 11 Trichlorofluoromethane A Freon 22 Chlorodifluoromethane A Freon TF Trichlorotrifluoroethane A Fruit Juice A Fuel Oils (1, 2, 3, 5A, 5B, 6) A Furan Resin C Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Gold Monocyanide A Grape Juice A Grease A Heptane A Hexane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A  C Freon 11 Trichlorofluoromethane A A C C C Freon 12 Trichlorofluoromethane A A A C C C Freon 12 Trichlorofluoromethane A A A C C C Freon 12 Trichlorofluoromethane A A A C C Freut Juice A C C C C C C C C C C C C C C C C C C	Ferrous Sulfate	В
Formic Acid  Freon 11 Trichlorofluoromethane  Freon 22 Chlorodifluoromethane  A Freon TF Trichlorotrifluoroethane  Fuel Oils (1, 2, 3, 5A, 5B, 6)  Furan Resin  C Furfural  Gallic Acid  B Gasoline, high aromatic  A Gasoline, unleaded  A Gelatin  A Ginger Oil  Glucose  A Glue (PVA, polyvinyl acetate)  Glycerine  A Gold Monocyanide  Grease  A Heptane  Hexane  Hexane  Hexane  Hexane  Honey  A Hydraulic Oils, petroleum  Hydraulic Oils, synthetic  A A A A A A A A A A A A A A A A A A	Fluorine	D
Freon 11 Trichlorofluoromethane Freon 22 Chlorodifluoromethane A Freon TF Trichlorotrifluoroethane A Fruit Juice A Fuel Oils (1, 2, 3, 5A, 5B, 6) A Furan Resin C Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A A Frein 12 Trichlorotrifluoromethane A A A A A A A A A A A A A A A A A A A	Formaldehyde	В
Freon 22 Chlorodifluoromethane Freon TF Trichlorotrifluoroethane A Fruit Juice A Fuel Oils (1, 2, 3, 5A, 5B, 6) A Furan Resin C Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, leaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A A Fruit Juice A A A A A A A A A A A A A A A A A A A	Formic Acid	С
Freon TF Trichlorotrifluoroethane Fruit Juice A Fuel Oils (1, 2, 3, 5A, 5B, 6) A Furan Resin C Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, leaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Fruit Juice A A A A A A A A A A A A A A A A A A A	Freon 11 Trichlorofluoromethane	Α
Fruit Juice A Fuel Oils (1, 2, 3, 5A, 5B, 6) A Furan Resin C Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, leaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydraulic Oils, synthetic A Hydraulic Oils, synthetic A	Freon 22 Chlorodifluoromethane	А
Fuel Oils (1, 2, 3, 5A, 5B, 6)  Furan Resin  C Furfural  A Gallic Acid  B Gasoline, high aromatic  A Gasoline, leaded  A Gasoline, unleaded  A Gelatin  A Ginger Oil  D Glucose  A Glue (PVA, polyvinyl acetate)  B Glycerine  A Gold Monocyanide  A Grape Juice  A Heptane  A Hexyl Alcohol  Honey  Hydraulic Oils, petroleum  A Hydraulic Oils, synthetic  A C Furfural  A A A A A A A A A A A A A A A A A A	Freon TF Trichlorotrifluoroethane	Α
Furan Resin C Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, leaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Glycolic Acid A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Fruit Juice	А
Furfural A Gallic Acid B Gasoline, high aromatic A Gasoline, leaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Glycolic Acid A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Fuel Oils (1, 2, 3, 5A, 5B, 6)	А
Gallic Acid B Gasoline, high aromatic A Gasoline, leaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Furan Resin	С
Gasoline, high aromatic  Gasoline, leaded  A Gasoline, unleaded  A Gelatin  A Ginger Oil  D Glucose  A Glue (PVA, polyvinyl acetate)  B Glycerine  A Gold Monocyanide  A Grape Juice  A Heptane  Hexane  A Hexyl Alcohol  Honey  A Hydraulic Oils, petroleum  A Hydrazine  A  A  A  A  A  A  A  A  A  A  A  A  A	Furfural	А
Gasoline, leaded A Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Glycolic Acid A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Gallic Acid	В
Gasoline, unleaded A Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Glycolic Acid A Gold Monocyanide A Grape Juice A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Gasoline, high aromatic	А
Gelatin A Ginger Oil D Glucose A Glue (PVA, polyvinyl acetate) B Glycerine A Glycolic Acid A Gold Monocyanide A Grape Juice A Grease A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Gasoline, leaded	А
Ginger Oil         D           Glucose         A           Glue (PVA, polyvinyl acetate)         B           Glycerine         A           Glycolic Acid         A           Gold Monocyanide         A           Grape Juice         A           Grease         A           Heptane         A           Hexane         A           Hexyl Alcohol         A           Honey         A           Hydraulic Oils, petroleum         A           Hydraulic Oils, synthetic         A           Hydrazine         A	Gasoline, unleaded	А
Glucose         A           Glue (PVA, polyvinyl acetate)         B           Glycerine         A           Glycolic Acid         A           Gold Monocyanide         A           Grape Juice         A           Grease         A           Heptane         A           Hexane         A           Hexyl Alcohol         A           Honey         A           Hydraulic Oils, petroleum         A           Hydraulic Oils, synthetic         A           Hydrazine         A	Gelatin	Α
Glue (PVA, polyvinyl acetate)         B           Glycerine         A           Glycolic Acid         A           Gold Monocyanide         A           Grape Juice         A           Grease         A           Heptane         A           Hexane         A           Hexyl Alcohol         A           Honey         A           Hydraulic Oils, petroleum         A           Hydraulic Oils, synthetic         A           Hydrazine         A	Ginger Oil	D
Glycerine A Glycolic Acid A Gold Monocyanide A Grape Juice A Grease A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Glucose	Α
Glycolic Acid         A           Gold Monocyanide         A           Grape Juice         A           Grease         A           Heptane         A           Hexane         A           Hexyl Alcohol         A           Honey         A           Hydraulic Oils, petroleum         A           Hydraulic Oils, synthetic         A           Hydrazine         A	Glue (PVA, polyvinyl acetate)	В
Gold Monocyanide         A           Grape Juice         A           Grease         A           Heptane         A           Hexane         A           Hexyl Alcohol         A           Honey         A           Hydraulic Oils, petroleum         A           Hydraulic Oils, synthetic         A           Hydrazine         A	Glycerine	Α
Grape Juice A Grease A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Glycolic Acid	А
Grease A Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Gold Monocyanide	Α
Heptane A Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Grape Juice	А
Hexane A Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Grease	Α
Hexyl Alcohol A Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Heptane	А
Honey A Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Hexane	Α
Hydraulic Oils, petroleum A Hydraulic Oils, synthetic A Hydrazine A	Hexyl Alcohol	А
Hydraulic Oils, synthetic A Hydrazine A	Honey	Α
Hydrazine A		А
•	Hydraulic Oils, synthetic	Α
Hydrobromic Acid, 20% D	Hydrazine	А
	Hydrobromic Acid, 20%	D

Chemical	
Hydrobromic Acid, 50%	D
Hydrobromic Acid, 100%	D
Hydrobromic Acid	D
Hydrochloric Acid, anhydrous	С
Hydrochloric Acid, dry gas	D
Hydrocyanic Acid	Α
Hydrofluoric Acid, 20%	D
Hydrofluoric Acid, 30%	D
Hydrofluoric Acid, 50%	D
Hydrofluoric Acid, 75%	D
Hydrofluoric Acid, 100%	D
Hydrogen Gas	Α
Hydrogen Sulfide, dry	Α
Ink	Α
lodine	D
lodoform	В
Isobutyl Alcohol	Α
Isooctane	С
Isopropyl Alcohol	В
Isopropyl Ether	Α
Jet Fuels (JP3, JP4, JP5)	Α
Kerosene	Α
Ketones	Α
Lacquer Thinners	С
Lacquers	Α
Lactic Acid, over 60% to 100° F	Α
Lactic Acid, to 60% to 100° F)	Α
Lactic Acid	Α
Lard	В
Latex	В
Lead Acetate	В
Lemon Oil (citrus oils, limonene)	Α
Lime (calcium oxide)	Α
Linseed Oil	Α
Lithium Chloride	С
Lubricants	В

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Chamiaal

Magnesium BisulfateCMagnesium ChlorideBMagnesium HydroxideAMagnesium OxideAMagnesium Sulfate (Epsom salts)BMaleic AcidCMaleic AnhydrideAMalic AcidBMash (brewing)AMayonnaiseAMercuric Chloride, dilute solutionDMercuric CyanideAMercurous NitrateCMercuryAMethane Gas (natural gas)AMethanol (methyl alcohol, wood alcohol)AMethyl AcetateAMethyl AcetoneAMethyl Alcohol, 10% (methanol)AMethyl BromideAMethyl Butyl Ketone (MBK)AMethyl Ethyl Ketone (MEK)AMethyl Isopropyl KetoneAMethylamine (methyl amine)AMethylene ChlorideAMilkAMineral OilAMineral SpiritsAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardANaphthaA	Chemical	
Magnesium Hydroxide       A         Magnesium Oxide       A         Magnesium Sulfate (Epsom salts)       B         Maleic Acid       C         Malic Acid       B         Mash (brewing)       A         Mayonnaise       A         Mercuric Chloride, dilute solution       D         Mercuric Cyanide       A         Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Alcohol (methanol)       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Spirits       A         Monochloroacetic Acid       C         Monochloroacetic Acid       C         Monochloroacetic Acid       C         Motor Oils	Magnesium Bisulfate	С
Magnesium Oxide       A         Magnesium Sulfate (Epsom salts)       B         Maleic Acid       C         Malic Acid       B         Mash (brewing)       A         Mayonnaise       A         Mercuric Chloride, dilute solution       D         Mercuric Cyanide       A         Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Alcohol (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Spirits       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard </td <td>Magnesium Chloride</td> <td>В</td>	Magnesium Chloride	В
Magnesium Sulfate (Epsom salts)       B         Maleic Acid       C         Malic Acid       B         Mash (brewing)       A         Mayonnaise       A         Mercuric Chloride, dilute solution       D         Mercuric Cyanide       A         Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Ethyl Ketone (MBK)       A         Methyl Ethyl Ketone (MEK)       A         Methyl Ethyl Ketone (MEK)       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Spirits       A         Monochloroacetic Acid       C         Monochloroacetic Acid       C         Monochloroacetic Acid       C         Monochloroscetic Acid       B         Mustard	Magnesium Hydroxide	А
Maleic Acid       C         Maleic Anhydride       A         Malic Acid       B         Mash (brewing)       A         Mayonnaise       A         Mercuric Chloride, dilute solution       D         Mercuric Cyanide       A         Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methane Gas (natural gas)       A         Methyl Acetate       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Alcohol (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Ethyl Ketone (MBK)       A         Methyl Ethyl Ketone (MEK)       A         Methyl Ethyl Ketone (MEK)       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monochloroacetic Acid       C         Monochloroacetic Acid       C <tr< td=""><td>Magnesium Oxide</td><td>А</td></tr<>	Magnesium Oxide	А
Maleic Anhydride Malic Acid B Mash (brewing) A Mayonnaise A Mercuric Chloride, dilute solution D Mercuric Cyanide A Mercurous Nitrate C Mercury A Methane Gas (natural gas) A Methanol (methyl alcohol, wood alcohol) A Methyl Acetate A Methyl Acetone A Methyl Alcohol, 10% (methanol) A Methyl Bromide A Methyl Butyl Ketone (MBK) A Methyl Ethyl Ketone (MEK) A Methyl Isopropyl Ketone A Methylamine (methyl amine) A Methylene Chloride A Mineral Oil A Mineral Spirits A Molasses A Monochloroacetic Acid C Monoethanolamine A Motor Oils B Mustard A	Magnesium Sulfate (Epsom salts)	В
Malic Acid       B         Mash (brewing)       A         Mayonnaise       A         Mercuric Chloride, dilute solution       D         Mercuric Cyanide       A         Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Chloride       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Maleic Acid	С
Mash (brewing)       A         Mayonnaise       A         Mercuric Chloride, dilute solution       D         Mercuric Cyanide       A         Mercury       A         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Mustard       A	Maleic Anhydride	А
Mayonnaise  Mercuric Chloride, dilute solution  Mercuric Cyanide  Mercurous Nitrate  C Mercury  A Methane Gas (natural gas)  Methanol (methyl alcohol, wood alcohol)  A Methyl Acetate  Methyl Acetone  A Methyl Alcohol, 10% (methanol)  A Methyl Bromide  A Methyl Bromide  A Methyl Ethyl Ketone (MBK)  A Methyl Ethyl Ketone (MEK)  A Methyl Isopropyl Ketone  A Methyl almine)  A Methyl almine (methyl amine)  A Methylene Chloride  A Mineral Oil  A Mineral Spirits  A Molasses  A Monochloroacetic Acid  C Monoethanolamine  A Motor Oils  B Mustard  A	Malic Acid	В
Mercuric Chloride, dilute solution       D         Mercuric Cyanide       A         Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Chloride       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Mustard       A	Mash (brewing)	А
Mercuric Cyanide       A         Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Chloride       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Mayonnaise	А
Mercurous Nitrate       C         Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Chloride       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Mercuric Chloride, dilute solution	D
Mercury       A         Methane Gas (natural gas)       A         Methanol (methyl alcohol, wood alcohol)       A         Methyl Acetate       A         Methyl Acetone       A         Methyl Alcohol, 10% (methanol)       A         Methyl Bromide       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Chloride       A         Methyl Ethyl Ketone (MEK)       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Mustard       A	Mercuric Cyanide	А
Methane Gas (natural gas)  Methanol (methyl alcohol, wood alcohol)  A  Methyl Acetate  A  Methyl Acetone  A  Methyl Alcohol, 10% (methanol)  A  Methyl Bromide  A  Methyl Bromide  A  Methyl Butyl Ketone (MBK)  A  Methyl Ethyl Ketone (MEK)  A  Methyl Isopropyl Ketone  A  Methylamine (methyl amine)  A  Milk  A  Mineral Oil  A  Mineral Spirits  A  Molasses  A  Monochloroacetic Acid  C  Monoethanolamine  A  Mustard  A	Mercurous Nitrate	С
Methanol (methyl alcohol, wood alcohol)  Methyl Acetate A Methyl Acetone A Methyl Alcohol, 10% (methanol) A Methyl Bromide A Methyl Bromide A Methyl Butyl Ketone (MBK) A Methyl Ethyl Ketone (MEK) A Methyl Isopropyl Ketone A Methyl Isopropyl Ketone A Methylamine (methyl amine) A Milk A Mineral Oil A Mineral Spirits A Molasses A Monochloroacetic Acid C Monoethanolamine A Motor Oils B Mustard A	Mercury	А
Methyl Acetate       A         Methyl Alcohol, 10% (methanol)       A         Methyl Alcohol (methanol)       A         Methyl Bromide       A         Methyl Butyl Ketone (MBK)       A         Methyl Chloride       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Methane Gas (natural gas)	Α
Methyl AcetoneAMethyl Alcohol, 10% (methanol)AMethyl BromideAMethyl Butyl Ketone (MBK)AMethyl ChlorideAMethyl Ethyl Ketone (MEK)AMethyl Isopropyl KetoneAMethylamine (methyl amine)AMethylene ChlorideAMilkAMineral OilAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Methanol (methyl alcohol, wood alcohol)	Α
Methyl Alcohol, 10% (methanol)AMethyl Alcohol (methanol)AMethyl BromideAMethyl Butyl Ketone (MBK)AMethyl ChlorideAMethyl Ethyl Ketone (MEK)AMethyl Isopropyl KetoneAMethylamine (methyl amine)AMethylene ChlorideAMilkAMineral OilAMineral SpiritsAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Methyl Acetate	Α
Methyl Alcohol (methanol)AMethyl BromideAMethyl Butyl Ketone (MBK)AMethyl ChlorideAMethyl Ethyl Ketone (MEK)AMethyl Isopropyl KetoneAMethylamine (methyl amine)AMethylene ChlorideAMilkAMineral OilAMineral SpiritsAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Methyl Acetone	Α
Methyl BromideAMethyl Butyl Ketone (MBK)AMethyl ChlorideAMethyl Ethyl Ketone (MEK)AMethyl Isopropyl KetoneAMethylamine (methyl amine)AMethylene ChlorideAMilkAMineral OilAMineral SpiritsAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Methyl Alcohol, 10% (methanol)	Α
Methyl Butyl Ketone (MBK)       A         Methyl Chloride       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Methyl Alcohol (methanol)	Α
Methyl Chloride       A         Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Methyl Bromide	А
Methyl Ethyl Ketone (MEK)       A         Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Methyl Butyl Ketone (MBK)	Α
Methyl Isopropyl Ketone       A         Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Methyl Chloride	Α
Methylamine (methyl amine)       A         Methylene Chloride       A         Milk       A         Mineral Oil       A         Mineral Spirits       A         Molasses       A         Monochloroacetic Acid       C         Monoethanolamine       A         Motor Oils       B         Mustard       A	Methyl Ethyl Ketone (MEK)	Α
Methylene ChlorideAMilkAMineral OilAMineral SpiritsAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Methyl Isopropyl Ketone	Α
MilkAMineral OilAMineral SpiritsAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Methylamine (methyl amine)	Α
Mineral OilAMineral SpiritsAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Methylene Chloride	А
Mineral SpiritsAMolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Milk	Α
MolassesAMonochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Mineral Oil	Α
Monochloroacetic AcidCMonoethanolamineAMotor OilsBMustardA	Mineral Spirits	Α
MonoethanolamineAMotor OilsBMustardA	Molasses	A
Motor Oils B Mustard A	Monochloroacetic Acid	С
Mustard A	Monoethanolamine	A
	Motor Oils	В
Naphtha A	Mustard	А
	Naphtha	А

Chemical	
Naphthalene	В
Natural Gas (methane gas)	Α
Nickel Chloride	D
Nickel Sulfate	В
Nitric Acid, 5-10%	Α
Nitric Acid, 10%	Α
Nitric Acid, 20%	Α
Nitric Acid, 50%	В
Nitric Acid, concentrated	С
Nitrobenzene	В
Nitromethane	Α
Octyl Alcohol	Α
Oil, Castor	Α
Oil, Cinnamon	Α
Oil, Citric (citrus oils, limonene)	Α
Oil, Clove	Α
Oil, Coconut	Α
Oil, Cod Liver	Α
Oil, Corn	Α
Oil, Cottonseed	В
Oil, Creosote	В
Oil, Ginger	D
Oil, Lemon (citrus oils, limonene)	Α
Oil, Linseed	Α
Oil, Mineral	Α
Oil, Olive	Α
Oil, Orange (citrus oils, limonene)	Α
Oil, Palm	Α
Oil, Peanut	Α
Oil, Peppermint	Α
Oil, Pine	Α
Oil, Rapeseed	Α
Oil, Sesame Seed	Α
Oil, Silicone	Α
Oil, Soybean	Α
Oils, Aniline	В

ver 21-Oct-2022

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about  $64^{\circ}F$  ( $18^{\circ}C$ ) to  $73^{\circ}F$  ( $23^{\circ}C$ ) A = Excellent C = Fair - Moderate Effect, not recommended

B= Good - Minor Effect, slight corrosion or discoloration

D = Severe Effect, not recommended for ANY use



Chamiaal

Oils, Citric (citrus oils, limonene)  Oils, Diesel Fuel (20, 30, 40, 50)  A Oils, Fuel (1, 2, 3, 5A, 5B, 6)  A Oils, Hydraulic (petroleum)  A Oils, Hydraulic (synthetic)  A Oils, Rosins  Oils, Rosins  A Oils, Tanning  A Oils, Transformer  A Oils, Transformer  A Oile Acid  B Oleum  B Olive Oil  A Orange Oil (citrus oils, limonene)  A Oxalic Acid, cold  C Oxalic Acid  C Paraffin  A Pelm Oil  A Pentane (n-Pentane, amyl hydride)  C Peppermint Oil  A Petroleum  C Phenol, 10% (carbolic acid)  B Phosphoric Acid, S40%  Phosphoric Acid, Cude  Phosphoric Acid, S40%  Phosphoric Acid, Cude  Phosphoric Acid, Cude  Phosphoric Acid, S40%  Phosphoric Acid, S40%  Phosphoric Acid, Crude  Phosphoric Acid, Crude  Phosphoric Acid, S40%  Phosphoric Acid, S40%  Phosphoric Acid, Crude  Phosphoric Acid, Crude  Phosphoric Acid, S40%  Phosphoric Acid, Crude  Phosphoric Acid, Supphination Plating 110°F  A Plating Solutions, Antimony Plating 110°F  A Potassium Bromide  A Potassium Carbonate	Chemical	
Oils, Fuel (1, 2, 3, 5A, 5B, 6) Oils, Hydraulic (petroleum) Oils, Hydraulic (synthetic) A Oils, Motor B Oils, Rosins A Oils, Tanning A Oils, Transformer A Oils, Turbine A Oleic Acid B Oleum B Olive Oil A Orange Oil (citrus oils, limonene) A Oxalic Acid, cold C Oxalic Acid C Paraffin A Pelm Oil A Peenut Oil A Peenut Oil A Perchloroethylene, dry Petrolatum C Phenol, 10% (carbolic acid) B Phosphoric Acid, cand D Phosphoric Acid, crude Phelating Solutions, Ansenic Plating 110°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F Potassium Bromide A	Oils, Citric (citrus oils, limonene)	Α
Oils, Hydraulic (petroleum)  Oils, Hydraulic (synthetic)  A  Oils, Motor  B  Oils, Rosins  A  Oils, Tanning  A  Oils, Transformer  A  Oils, Turbine  A  Oleic Acid  B  Oleum  B  Olive Oil  A  Orange Oil (citrus oils, limonene)  A  Oxalic Acid, cold  C  Oxalic Acid  C  Paraffin  A  Pentane (n-Pentane, amyl hydride)  Petrolatum  Petrolatum  A  Petroleum  C  Phenol, 10% (carbolic acid)  Phosphoric Acid, crude  Phosphoric Acid, crude  Phosphoric Acid, crude  Phenal Solutions, Antimony Plating 130°F  A  Plating Solutions (Cadmium): Fluoborate Bath 100°F  Potassium Bromide  A	Oils, Diesel Fuel (20, 30, 40, 50)	Α
Oils, Hydraulic (synthetic)  Oils, Motor  B Oils, Rosins  A Oils, Tanning  A Oils, Transformer  A Oils, Turbine  Oleic Acid  B Oleum  B Olive Oil  A Orange Oil (citrus oils, limonene)  A Oxalic Acid, cold  C C Oxalic Acid  C Paraffin  A Pelm Oil  Penanut Oil  A Pentane (n-Pentane, amyl hydride)  C Peppermint Oil  A Petrolatum  A Petroleum  C Phenol, 10% (carbolic acid)  B Phosphoric Acid, S40%  Phosphoric Acid, crude  D Phthalic Anhydride  B Plating Solutions, Antimony Plating 130°F  A Plating Solutions (Cadmium): Fluoborate Bath 100°F  Potassium Bromide  A	Oils, Fuel (1, 2, 3, 5A, 5B, 6)	Α
Oils, Motor Oils, Rosins Oils, Rosins Oils, Tanning A Oils, Transformer A Oils, Turbine Oleic Acid B Oleum B Olive Oil A Orange Oil (citrus oils, limonene) A Oxalic Acid, cold C Oxalic Acid C Paraffin A Palm Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phosphoric Acid, S40% D Phosphoric Acid, S40% D Phosphoric Acid, Cude Pitating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A Potassium Bromide A A	Oils, Hydraulic (petroleum)	Α
Oils, Rosins Oils, Tanning A Oils, Transformer A Oils, Turbine A Oleic Acid B Oleum B Olive Oil A Orange Oil (citrus oils, limonene) A Oxalic Acid, cold C Oxalic Acid C Paraffin A Palm Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phosphoric Acid, S40% D Phosphoric Acid, S40% D Phosphoric Acid, S40% D Phosphoric Acid, crude D Phthalic Anhydride B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A Potassium Bromide A	Oils, Hydraulic (synthetic)	Α
Oils, Transformer  Oils, Transformer  Oils, Turbine  Oleic Acid  B Oleum  B Olive Oil  A Orange Oil (citrus oils, limonene)  Oxalic Acid, cold  C Oxalic Acid  C Paraffin  A Palm Oil  A Peanut Oil  A Pentane (n-Pentane, amyl hydride)  Perppermint Oil  A Petrolatum  A Petroleum  C Phenol, 10% (carbolic acid)  Phosphoric Acid, >40%  Phosphoric Acid, crude  Photaling Solutions, Antimony Plating 130°F  A Plating Solutions, Arsenic Plating 110°F  A Potassium Bromide  A A	Oils, Motor	В
Oils, Transformer  Oils, Turbine  Oleic Acid  B  Oleum  B  Olive Oil  A  Orange Oil (citrus oils, limonene)  Oxalic Acid, cold  C  Oxalic Acid  C  Paraffin  A  Pelm Oil  Pentane (n-Pentane, amyl hydride)  Perchloroethylene, dry  B  Petrolatum  A  Petroleum  C  Phenol, 10% (carbolic acid)  Phosphoric Acid, >40%  Phosphoric Acid, crude  Phthalic Anhydride  B  Plating Solutions, Antimony Plating 130°F  A  Plating Solutions, Arsenic Plating 110°F  A  Potassium Bromide  A  A  B  Oleum  A  A  A  A  A  A  B  Oleum  B  A  A  A  A  A  A  A  A  A  A  A  A	Oils, Rosins	А
Oils, Turbine Oleic Acid B Oleum B Olive Oil A Orange Oil (citrus oils, limonene) A Oxalic Acid, cold C Oxalic Acid C Paraffin A Palm Oil A Peanut Oil A Pentane (n-Pentane, amyl hydride) C Perppermint Oil A Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phosphoric Acid, >40% Phosphoric Acid, crude Phthalic Anhydride B Plating Solutions, Antimony Plating 130°F A Plating Solutions, Arsenic Plating 110°F A Potassium Bromide A A A A A B B B C B C B B C B C B C C C C	Oils, Tanning	Α
Oleic Acid Oleum B Olive Oil A Orange Oil (citrus oils, limonene) A Oxalic Acid, cold C Oxalic Acid C Paraffin A Palm Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Perchloroethylene, dry B Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, S40% Phosphoric Acid, crude D Phthalic Anhydride B Plating Solutions, Arsenic Plating 110°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F Potassium Bromide A	Oils, Transformer	Α
Oleum Olive Oil Orange Oil (citrus oils, limonene) A Oxalic Acid, cold C Oxalic Acid C Paraffin A Palm Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, crude D Phthalic Anhydride B Plating Solutions, Arsenic Plating 110°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F Potassium Bromide A A C C C C C C C C C C C C C C C C C	Oils, Turbine	Α
Olive Oil A Orange Oil (citrus oils, limonene) A Oxalic Acid, cold C Oxalic Acid C Paraffin A Palm Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Petrolatum A Petrolatum C Phenol, 10% (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, crude D Phthalic Anhydride B Plating Solutions, Arsenic Plating 110°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F Potassium Bromide A	Oleic Acid	В
Orange Oil (citrus oils, limonene)  Oxalic Acid, cold  C Oxalic Acid  C Paraffin  A Palm Oil  A Pentane (n-Pentane, amyl hydride)  Perppermint Oil  A Petrolatum  A Petrolatum  A Petroleum  C Phenol, 10% (carbolic acid)  Phosphoric Acid, >40%  Phosphoric Acid, crude  Phosphoric Acid, crude  Phating Solutions, Antimony Plating 130°F  A Plating Solutions (Cadmium): Fluoborate Bath 100°F  Potassium Bromide  A C C C C C C C C C C C C C C C C C C	Oleum	В
Oxalic Acid, cold  Oxalic Acid  C  Oxalic Acid  C  Parafffin  A  Palm Oil  A  Pentane (n-Pentane, amyl hydride)  C  Peppermint Oil  A  Perchloroethylene, dry  B  Petrolatum  A  Petroleum  C  Phenol, 10% (carbolic acid)  B  Phosphoric Acid, >40%  Phosphoric Acid, S40%  D  Phosphoric Acid, crude  Phalic Anhydride  B  Plating Solutions, Antimony Plating 130°F  A  Plating Solutions (Cadmium): Fluoborate Bath 100°F  Potassium Bromide  A	Olive Oil	Α
Oxalic Acid C Paraffin A Palm Oil A Peanut Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Perchloroethylene, dry B Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, S40% D Phosphoric Acid, crude D Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A	Orange Oil (citrus oils, limonene)	Α
Paraffin A Palm Oil A Peanut Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Perchloroethylene, dry B Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phenol (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, S40% D Phosphoric Acid, crude D Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A	Oxalic Acid, cold	С
Palm Oil A Peanut Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Perchloroethylene, dry B Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phenol (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, S40% D Phosphoric Acid, crude D Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A	Oxalic Acid	С
Peanut Oil A Pentane (n-Pentane, amyl hydride) C Peppermint Oil A Perchloroethylene, dry B Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phenol (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, S40% D Phosphoric Acid, crude D Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A	Paraffin	Α
Pentane (n-Pentane, amyl hydride)  Peppermint Oil A Perchloroethylene, dry B Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phenol (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, sude D Phosphoric Acid, crude D Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A Potassium Bromide A	Palm Oil	Α
Peppermint Oil A Perchloroethylene, dry B Petrolatum A Petroleum C Phenol, 10% (carbolic acid) B Phenol (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, S40% D Phosphoric Acid, crude D Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A	Peanut Oil	Α
Petrolatum A  Petroleum C  Phenol, 10% (carbolic acid) B  Phenol (carbolic acid) B  Phosphoric Acid, >40% D  Phosphoric Acid, S40% D  Phosphoric Acid, crude D  Phthalic Anhydride B  Picric Acid B  Plating Solutions, Antimony Plating 130°F A  Plating Solutions (Cadmium): Fluoborate Bath 100°F A	Pentane (n-Pentane, amyl hydride)	С
Petrolatum       A         Petroleum       C         Phenol, 10% (carbolic acid)       B         Phenol (carbolic acid)       B         Phosphoric Acid, >40%       D         Phosphoric Acid, S40%       D         Phosphoric Acid, crude       D         Phthalic Anhydride       B         Picric Acid       B         Plating Solutions, Antimony Plating 130°F       A         Plating Solutions, Arsenic Plating 110°F       A         Plating Solutions (Cadmium): Fluoborate Bath 100°F       A         Potassium Bromide       A	Peppermint Oil	Α
Petroleum C Phenol, 10% (carbolic acid) B Phenol (carbolic acid) B Phosphoric Acid, >40% D Phosphoric Acid, S40% D Phosphoric Acid, crude D Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A Potassium Bromide A	Perchloroethylene, dry	В
Phenol, 10% (carbolic acid)  Phenol (carbolic acid)  Phosphoric Acid, >40%  Phosphoric Acid, S40%  Phosphoric Acid, crude  Phthalic Anhydride  Picric Acid  Plating Solutions, Antimony Plating 130°F  Plating Solutions (Cadmium): Fluoborate Bath 100°F  Potassium Bromide  A  B  B  A  B  B  B  B  B  B  B  B  B	Petrolatum	А
Phenol (carbolic acid)  Phosphoric Acid, >40%  Phosphoric Acid, S40%  Phosphoric Acid, crude  Phthalic Anhydride  Picric Acid  Plating Solutions, Antimony Plating 130°F  Plating Solutions (Cadmium): Fluoborate Bath 100°F  Potassium Bromide  A	Petroleum	С
Phosphoric Acid, >40%  Phosphoric Acid, S40%  Phosphoric Acid, crude  Phthalic Anhydride  Picric Acid  Plating Solutions, Antimony Plating 130°F  Plating Solutions (Cadmium): Fluoborate Bath 100°F  A  Potassium Bromide  D  A	Phenol, 10% (carbolic acid)	В
Phosphoric Acid, S40%  Phosphoric Acid, crude  D  Phthalic Anhydride  B  Picric Acid  B  Plating Solutions, Antimony Plating 130°F  A  Plating Solutions (Cadmium): Fluoborate Bath 100°F  A  Potassium Bromide  A	Phenol (carbolic acid)	В
Phosphoric Acid, crude  Phthalic Anhydride  B  Picric Acid  B  Plating Solutions, Antimony Plating 130°F  A  Plating Solutions, Arsenic Plating 110°F  A  Plating Solutions (Cadmium): Fluoborate Bath 100°F  A  Potassium Bromide  A	Phosphoric Acid, >40%	D
Phthalic Anhydride B Picric Acid B Plating Solutions, Antimony Plating 130°F A Plating Solutions, Arsenic Plating 110°F A Plating Solutions (Cadmium): Fluoborate Bath 100°F A Potassium Bromide A	Phosphoric Acid, S40%	D
Picric Acid  Plating Solutions, Antimony Plating 130°F  A  Plating Solutions, Arsenic Plating 110°F  A  Plating Solutions (Cadmium): Fluoborate Bath 100°F  A  Potassium Bromide  A	Phosphoric Acid, crude	D
Plating Solutions, Antimony Plating 130°F A  Plating Solutions, Arsenic Plating 110°F A  Plating Solutions (Cadmium): Fluoborate Bath 100°F A  Potassium Bromide A	Phthalic Anhydride	В
Plating Solutions, Arsenic Plating 110°F A  Plating Solutions (Cadmium): Fluoborate Bath 100°F A  Potassium Bromide A	Picric Acid	В
Plating Solutions (Cadmium): Fluoborate Bath 100°F A  Potassium Bromide A	Plating Solutions, Antimony Plating 130°F	A
100°F A Potassium Bromide A	Plating Solutions, Arsenic Plating 110°F	А
	` ,	А
Potassium Carbonate B	Potassium Bromide	А
	Potassium Carbonate	В

Chemical	
Potassium Chlorate	В
Potassium Chloride	С
Potassium Cyanide Solutions	В
Potassium Dichromate	В
Potassium Ferrocyanide	В
Potassium Hydroxide, 50%	Α
Potassium Iodide	С
Potassium Nitrate	В
Potassium Permanganate	В
Potassium Sulfate	В
Potassium Sulfide	Α
Propane, liquified	Α
Propyl Alcohol	Α
Propylene Glycol	В
Pyridine	Α
Pyrogallic Acid	В
Rapeseed Oil	Α
Resins and Rosins	Α
Rum	Α
Rust Inhibitors	Α
Salad Dressings	Α
Sea Water	Α
Sesame Seed Oil	Α
Shellac, bleached	Α
Shellac, orange	Α
Silicone Oil	Α
Silver Bromide	D
Silver Nitrate	В
Soap Solutions	Α
Soda Ash (sodium carbonate)	В
Sodium Acetate	В
Sodium Aluminate	В
Sodium Bicarbonate	В
Sodium Bisulfate	D
Sodium Borate (Borax)	В
Sodium Carbonate (soda ash)	В

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B= Good - Minor Effect, slight corrosion or discoloration

D = Severe Effect, not recommended for ANY use



Chemical	
Sodium Chlorate	В
Sodium Chloride	В
Sodium Chromate	А
Sodium Cyanide	В
Sodium Fluoride	D
Sodium Hypochlorite	D
Sodium Hyposulfate	А
Sodium Metaphosphate	Α
Sodium Metaphosphate	А
Sodium Metasilicate	A
Sodium Nitrate	В
Sodium Perborate	В
Sodium Peroxide	В
Sodium Silicate	В
Sodium Sulfate	В
Sodium Sulfide	В
Sodium Tetraborate	В
Sodium Thiosulphate, Hypo	В
Soy Sauce	А
Soybean Oil	А
Stannic Chloride	D
Stannous Chloride	D
Starch (amylum)	В
Stearic Acid	В
Stoddard Solvent	А
Styrene	А
Sugar Liquids	А
Sulfur Chloride	D
Sulfur Dioxide	D
Sulfur Dioxide, dry	А
Sulfur Trioxide, dry	А
Sulfuric Acid, <10%	D
Sulfuric Acid, 10-75%	D

Chemical	
Sulfuric Acid, hot concentrated	D
Sulfurous Acid	С
Tallow	А
Tannic Acid	В
Tanning Liquors	В
Tanning Oils	А
Tartaric Acid	В
Toluene (Toluol)	Α
Tomato Juice	Α
Transformer Oils	А
Trichloroacetic Acid	D
Trichlorethylene	В
Trichloropropane	Α
Turbine Oils	А
Turpentine	В
Urine	А
Varnish	Α
Vegetable Juices	А
Vinegar	Α
Water, deionized (demineralized water)	В
Water, distilled	Α
Water, fresh	А
Weed Killers	Α
Whey	Α
Whiskey and Wines	Α
White Liquor, pulp mill	А
White Water, paper mill	Α
Wood Alcohol (methanol, methyl alcohol)	А
Xylene	Α
Zinc Chloride	D
Zinc Hydrosulfate	В
Zinc Hydrosulfite	Α
Zinc Sulfate	В

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It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage



### Industrial Specialties Mfg. and IS Med Specialties