

OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Acetaldehyde	A
Acetamide	A
Acetate Solvent	A
Acetic Acid	B
Acetic Acid 20%	A
Acetic Acid 80%	B
Acetic Acid, Glacial	A
Acetic Anhydride	A
Acetone	A
Acetyl Bromide	N/A
Acetyl Chloride (dry)	A
Acetylene	A
Acrylonitrile	A
Adipic Acid	A
Alcohols:Amyl	A
Alcohols:Benzyl	B
Alcohols:Butyl	A
Alcohols:Diacetone	A
Alcohols:Ethyl	A
Alcohols:Hexyl	A
Alcohols:Isobutyl	A
Alcohols:Isopropyl	B
Alcohols:Methyl	A
Alcohols:Octyl	A
Alcohols:Propyl	A
Aluminum Chloride	B
Aluminum Chloride 20%	C
Aluminum Fluoride	D
Aluminum Hydroxide	C
Aluminum Nitrate	A
Aluminum Potassium Sulfate 10%	A
Aluminum Potassium Sulfate 100%	B
Aluminum Sulfate	B
Alums	A
Amines	A
Ammonia 10%	A
Ammonia Nitrate	A
Ammonia, anhydrous	A
Ammonia, liquid	A
Ammonium Acetate	A

PVDF Flexible Level Sensor	
Chemical	Rating
Acetaldehyde	D
Acetamide	C
Acetate Solvent	A
Acetic Acid	C
Acetic Acid 20%	A
Acetic Acid 80%	C
Acetic Acid, Glacial	A
Acetic Anhydride	B
Acetone	D
Acetyl Bromide	N/A
Acetyl Chloride (dry)	A
Acetylene	A
Acrylonitrile	A
Adipic Acid	A
Alcohols:Amyl	A
Alcohols:Benzyl	A
Alcohols:Butyl	A
Alcohols:Diacetone	A
Alcohols:Ethyl	N/A
Alcohols:Hexyl	N/A
Alcohols:Isobutyl	N/A
Alcohols:Isopropyl	N/A
Alcohols:Methyl	A
Alcohols:Octyl	N/A
Alcohols:Propyl	A
Aluminum Chloride	A
Aluminum Chloride 20%	A
Aluminum Fluoride	A
Aluminum Hydroxide	A
Aluminum Nitrate	A
Aluminum Potassium Sulfate 10%	B
Aluminum Potassium Sulfate 100%	N/A
Aluminum Sulfate	A
Alums	N/A
Amines	N/A
Ammonia 10%	A
Ammonia Nitrate	A
Ammonia, anhydrous	A
Ammonia, liquid	A
Ammonium Acetate	N/A

Chemical Effect Rating

A	Excellent.
B	Good - Minor Effect, slight corrosion or discoloration.
C	Fair - Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.
D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.

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316 Stainless Level Sensor	
Chemical	Rating
Ammonium Bifluoride	B
Ammonium Carbonate	B
Ammonium Caseinate	A
Ammonium Chloride	B
Ammonium Hydroxide	A
Ammonium Nitrate	A
Ammonium Oxalate	A
Ammonium Persulfate	B
Ammonium Phosphate, Dibasic	C
Ammonium Phosphate, Monobasic	C
Ammonium Phosphate, Tribasic	B
Ammonium Sulfate	B
Ammonium Sulfite	B
Ammonium Thiosulfate	A
Amyl Acetate	A
Amyl Alcohol	A
Amyl Chloride	A
Aniline	B
Aniline Hydrochloride	D
Antifreeze	A
Antimony Trichloride	D
Aqua Regia (80% HCl, 20% HNO3)	D
Arochlor 1248	B
Aromatic Hydrocarbons	C
Arsenic Acid	A
Arsenic Salts	N/A
Asphalt	A
Barium Carbonate	B
Barium Chloride	A
Barium Cyanide	A
Barium Hydroxide	B
Barium Nitrate	B
Barium Sulfate	B
Barium Sulfide	B
Beer	A
Beet Sugar Liquids	A
Benzaldehyde	B
Benzene	B
Benzene Sulfonic Acid	B
Benzoic Acid	B

PVDF Flexible Level Sensor	
Chemical	Rating
Ammonium Bifluoride	A
Ammonium Carbonate	A
Ammonium Caseinate	N/A
Ammonium Chloride	A
Ammonium Hydroxide	A
Ammonium Nitrate	A
Ammonium Oxalate	N/A
Ammonium Persulfate	A
Ammonium Phosphate, Dibasic	A
Ammonium Phosphate, Monobasic	N/A
Ammonium Phosphate, Tribasic	N/A
Ammonium Sulfate	A
Ammonium Sulfite	N/A
Ammonium Thiosulfate	N/A
Amyl Acetate	A
Amyl Alcohol	A
Amyl Chloride	A
Aniline	A
Aniline Hydrochloride	A
Antifreeze	N/A
Antimony Trichloride	A
Aqua Regia (80% HCl, 20% HNO3)	A
Arochlor 1248	N/A
Aromatic Hydrocarbons	N/A
Arsenic Acid	A
Arsenic Salts	N/A
Asphalt	A
Barium Carbonate	A
Barium Chloride	A
Barium Cyanide	N/A
Barium Hydroxide	A
Barium Nitrate	N/A
Barium Sulfate	A
Barium Sulfide	A
Beer	A
Beet Sugar Liquids	A
Benzaldehyde	A
Benzene	A
Benzene Sulfonic Acid	N/A
Benzoic Acid	A

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Chemical	Rating
Benzol	A
Benzonitrile	D
Benzyl Chloride	B
Bleaching Liquors	N/A
Borax (Sodium Borate)	A
Boric Acid	A
Brewery Slop	A
Bromine	D
Butadiene	A
Butane	A
Butanol (Butyl Alcohol)	A
Butter	A
Buttermilk	A
Butyl Amine	A
Butyl Ether	A
Butyl Phthalate	B
Butylacetate	A
Butylene	A
Butyric Acid	B
Calcium Bisulfate	A
Calcium Bisulfide	B
Calcium Bisulfite	A
Calcium Carbonate	B
Calcium Chlorate	N/A
Calcium Chloride	B
Calcium Hydroxide	B
Calcium Hypochlorite	B
Calcium Nitrate	B
Calcium Oxide	A
Calcium Sulfate	B
Calgon	A
Cane Juice	A
Carbolic Acid (Phenol)	B
Carbon Bisulfide	B
Carbon Dioxide (dry)	A
Carbon Dioxide (wet)	A
Carbon Disulfide	B
Carbon Monoxide	A
Carbon Tetrachloride	B
Carbon Tetrachloride (dry)	B

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Benzol	A
Benzonitrile	N/A
Benzyl Chloride	N/A
Bleaching Liquors	N/A
Borax (Sodium Borate)	A
Boric Acid	A
Brewery Slop	N/A
Bromine	A
Butadiene	A
Butane	A
Butanol (Butyl Alcohol)	A
Butter	N/A
Buttermilk	N/A
Butyl Amine	A
Butyl Ether	A
Butyl Phthalate	B
Butylacetate	B
Butylene	A
Butyric Acid	A
Calcium Bisulfate	N/A
Calcium Bisulfide	A
Calcium Bisulfite	A
Calcium Carbonate	A
Calcium Chlorate	A
Calcium Chloride	A
Calcium Hydroxide	A
Calcium Hypochlorite	A
Calcium Nitrate	A
Calcium Oxide	A
Calcium Sulfate	A
Calgon	N/A
Cane Juice	A
Carbolic Acid (Phenol)	A
Carbon Bisulfide	N/A
Carbon Dioxide (dry)	A
Carbon Dioxide (wet)	A
Carbon Disulfide	B
Carbon Monoxide	B
Carbon Tetrachloride	A
Carbon Tetrachloride (dry)	A

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Chemical	Rating
Carbon Tetrachloride (wet)	A
Carbonated Water	A
Carbonic Acid	A
Catsup	A
Chloric Acid	C
Chlorinated Glue	A
Chlorine (dry)	B
Chlorine Water	C
Chlorine, Anhydrous Liquid	C
Chloroacetic Acid	A
Chlorobenzene (Mono)	B
Chlorobromomethane	N/A
Chloroform	A
Chlorosulfonic Acid	B
Chocolate Syrup	A
Chromic Acid 10%	B
Chromic Acid 30%	B
Chromic Acid 5%	A
Chromic Acid 50%	B
Chromium Salts	N/A
Cider	A
Citric Acid	A
Citric Oils	A
Clorox (Bleach)	A
Coffee	A
Copper Chloride	D
Copper Cyanide	B
Copper Fluoborate	D
Copper Nitrate	A
Copper Sulfate >5%	B
Copper Sulfate 5%	B
Cream	A
Cresols	A
Cresylic Acid	A
Cupric Acid	B
Cyanic Acid	A
Cyclohexane	A
Cyclohexanone	A
Detergents	A
Diacetone Alcohol	B

PVDF Flexible Level Sensor	
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Carbon Tetrachloride (wet)	A
Carbonated Water	N/A
Carbonic Acid	A
Catsup	N/A
Chloric Acid	N/A
Chlorinated Glue	N/A
Chlorine (dry)	A
Chlorine Water	B
Chlorine, Anhydrous Liquid	A
Chloroacetic Acid	A
Chlorobenzene (Mono)	A
Chlorobromomethane	N/A
Chloroform	A
Chlorosulfonic Acid	D
Chocolate Syrup	N/A
Chromic Acid 10%	A
Chromic Acid 30%	A
Chromic Acid 5%	A
Chromic Acid 50%	A
Chromium Salts	N/A
Cider	N/A
Citric Acid	A
Citric Oils	N/A
Clorox (Bleach)	A
Coffee	N/A
Copper Chloride	A
Copper Cyanide	A
Copper Fluoborate	N/A
Copper Nitrate	A
Copper Sulfate >5%	A
Copper Sulfate 5%	A
Cream	N/A
Cresols	A
Cresylic Acid	B
Cupric Acid	N/A
Cyanic Acid	N/A
Cyclohexane	A
Cyclohexanone	D
Detergents	A
Diacetone Alcohol	D

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316 Stainless Level Sensor	
Chemical	Rating
Dichlorobenzene	B
Dichloroethane	B
Diesel Fuel	A
Diethyl Ether	B
Diethylamine	A
Diethylene Glycol	A
Dimethyl Aniline	B
Dimethyl Formamide	B
Diphenyl	B
Diphenyl Oxide	A
Dyes	A
Epsom Salts (Magnesium Sulfate)	B
Ethane	A
Ethanol	A
Ethanolamine	A
Ether	A
Ethyl Acetate	B
Ethyl Benzoate	N/A
Ethyl Chloride	A
Ethyl Ether	B
Ethyl Sulfate	D
Ethylene Bromide	A
Ethylene Chloride	B
Ethylene Chlorohydrin	B
Ethylene Diamine	B
Ethylene Dichloride	B
Ethylene Glycol	B
Ethylene Oxide	B
Fatty Acids	A
Ferric Chloride	D
Ferric Nitrate	B
Ferric Sulfate	A
Ferrous Chloride	D
Ferrous Sulfate	B
Fluoboric Acid	B
Fluorine	A
Fluosilicic Acid	B
Formaldehyde 100%	A
Formaldehyde 40%	A
Formic Acid	A

PVDF Flexible Level Sensor	
Chemical	Rating
Dichlorobenzene	A
Dichloroethane	A
Diesel Fuel	A
Diethyl Ether	A
Diethylamine	D
Diethylene Glycol	A
Dimethyl Aniline	A
Dimethyl Formamide	D
Diphenyl	N/A
Diphenyl Oxide	B
Dyes	N/A
Epsom Salts (Magnesium Sulfate)	A
Ethane	A
Ethanol	N/A
Ethanolamine	C
Ether	B
Ethyl Acetate	D
Ethyl Benzoate	D
Ethyl Chloride	A
Ethyl Ether	A
Ethyl Sulfate	N/A
Ethylene Bromide	A
Ethylene Chloride	A
Ethylene Chlorohydrin	A
Ethylene Diamine	B
Ethylene Dichloride	A
Ethylene Glycol	A
Ethylene Oxide	A
Fatty Acids	A
Ferric Chloride	A
Ferric Nitrate	A
Ferric Sulfate	A
Ferrous Chloride	A
Ferrous Sulfate	A
Fluoboric Acid	A
Fluorine	A
Fluosilicic Acid	A
Formaldehyde 100%	A
Formaldehyde 40%	A
Formic Acid	A

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Chemical	Rating
Freon 113	N/A
Freon 12	B
Freon 22	A
Freon TF	A
Freonr 11	A
Fruit Juice	A
Fuel Oils	A
Furan Resin	A
Furfural	B
Gallic Acid	B
Gasoline (high-aromatic)	A
Gasoline, leaded, ref	A
Gasoline, unleaded	A
Gelatin	A
Glucose	A
Glue, P.V.A	A
Glycerin	A
Glycolic Acid	A
Gold Monocyanide	A
Grape Juice	A
Grease	A
Heptane	A
Hexane	A
Honey	A
Hydraulic Oil (Petro)	A
Hydraulic Oil (Synthetic)	A
Hydrazine	A
Hydrobromic Acid 100%	D
Hydrobromic Acid 20%	D
Hydrochloric Acid 100%	D
Hydrochloric Acid 20%	D
Hydrochloric Acid 37%	D
Hydrochloric Acid, Dry Gas	D
Hydrocyanic Acid	A
Hydrocyanic Acid (Gas 10%)	N/A
Hydrofluoric Acid 100%	B
Hydrofluoric Acid 20%	D
Hydrofluoric Acid 50%	D
Hydrofluoric Acid 75%	D
Hydrofluosilicic Acid 100%	D

PVDF Flexible Level Sensor	
Chemical	Rating
Freon 113	B
Freon 12	A
Freon 22	A
Freon TF	B
Freonr 11	A
Fruit Juice	A
Fuel Oils	B
Furan Resin	D
Furfural	B
Gallic Acid	A
Gasoline (high-aromatic)	A
Gasoline, leaded, ref	A
Gasoline, unleaded	A
Gelatin	A
Glucose	A
Glue, P.V.A	N/A
Glycerin	A
Glycolic Acid	B
Gold Monocyanide	A
Grape Juice	A
Grease	A
Heptane	A
Hexane	A
Honey	A
Hydraulic Oil (Petro)	A
Hydraulic Oil (Synthetic)	A
Hydrazine	A
Hydrobromic Acid 100%	A
Hydrobromic Acid 20%	A
Hydrochloric Acid 100%	A
Hydrochloric Acid 20%	A
Hydrochloric Acid 37%	A
Hydrochloric Acid, Dry Gas	A
Hydrocyanic Acid	A
Hydrocyanic Acid (Gas 10%)	N/A
Hydrofluoric Acid 100%	A
Hydrofluoric Acid 20%	A
Hydrofluoric Acid 50%	A
Hydrofluoric Acid 75%	A
Hydrofluosilicic Acid 100%	A

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OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Hydrofluosilicic Acid 20%	B
Hydrogen Gas	A
Hydrogen Peroxide 10%	B
Hydrogen Peroxide 100%	A
Hydrogen Peroxide 30%	B
Hydrogen Peroxide 50%	A
Hydrogen Sulfide (aqua)	A
Hydrogen Sulfide (dry)	A
Hydroquinone	B
Hydroxyacetic Acid 70%	N/A
Ink	C
Iodine	D
Iodine (in alcohol)	N/A
Iodoform	A
Isooctane	A
Isopropyl Acetate	A
Isopropyl Ether	A
Isotane	N/A
Jet Fuel (JP3, JP4, JP5)	A
Kerosene	A
Ketones	A
Lacquer Thinners	A
Lacquers	A
Lactic Acid	B
Lard	A
Latex	A
Lead Acetate	B
Lead Nitrate	B
Lead Sulfamate	C
Ligroin	A
Lime	A
Linoleic Acid	A
Lithium Chloride	A
Lithium Hydroxide	B
Lubricants	A
Lye: Ca(OH) ₂ Calcium Hydroxide	B
Lye: KOH Potassium Hydroxide	A
Lye: NaOH Sodium Hydroxide	B
Magnesium Bisulfate	A
Magnesium Carbonate	B

PVDF Flexible Level Sensor	
Chemical	Rating
Hydrofluosilicic Acid 20%	A
Hydrogen Gas	A
Hydrogen Peroxide 10%	A
Hydrogen Peroxide 100%	A
Hydrogen Peroxide 30%	A
Hydrogen Peroxide 50%	A
Hydrogen Sulfide (aqua)	A
Hydrogen Sulfide (dry)	A
Hydroquinone	N/A
Hydroxyacetic Acid 70%	A
Ink	A
Iodine	A
Iodine (in alcohol)	A
Iodoform	C
Isooctane	A
Isopropyl Acetate	D
Isopropyl Ether	D
Isotane	A
Jet Fuel (JP3, JP4, JP5)	B
Kerosene	A
Ketones	C
Lacquer Thinners	N/A
Lacquers	D
Lactic Acid	B
Lard	A
Latex	A
Lead Acetate	A
Lead Nitrate	A
Lead Sulfamate	A
Ligroin	A
Lime	A
Linoleic Acid	A
Lithium Chloride	A
Lithium Hydroxide	N/A
Lubricants	A
Lye: Ca(OH) ₂ Calcium Hydroxide	A
Lye: KOH Potassium Hydroxide	A
Lye: NaOH Sodium Hydroxide	D
Magnesium Bisulfate	N/A
Magnesium Carbonate	A

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Chemical	Rating
Magnesium Chloride	D
Magnesium Hydroxide	A
Magnesium Nitrate	B
Magnesium Oxide	A
Magnesium Sulfate (Epsom Salts)	B
Maleic Acid	B
Maleic Anhydride	A
Malic Acid	A
Manganese Sulfate	B
Mash	A
Mayonnaise	A
Melamine	D
Mercuric Chloride (dilute)	D
Mercuric Cyanide	C
Mercurous Nitrate	A
Mercury	A
Methane	A
Methanol (Methyl Alcohol)	A
Methyl Acetate	B
Methyl Acetone	A
Methyl Acrylate	N/A
Methyl Alcohol 10%	A
Methyl Bromide	A
Methyl Butyl Ketone	A
Methyl Cellosolve	B
Methyl Chloride	A
Methyl Dichloride	N/A
Methyl Ethyl Ketone	A
Methyl Ethyl Ketone Peroxide	N/A
Methyl Isobutyl Ketone	B
Methyl Isopropyl Ketone	A
Methyl Methacrylate	B
Methylamine	A
Methylene Chloride	B
Milk	A
Mineral Spirits	A
Molasses	A
Monochloroacetic acid	A
Monoethanolamine	A
Morpholine	A

PVDF Flexible Level Sensor	
Chemical	Rating
Magnesium Chloride	A
Magnesium Hydroxide	A
Magnesium Nitrate	A
Magnesium Oxide	N/A
Magnesium Sulfate (Epsom Salts)	A
Maleic Acid	A
Maleic Anhydride	A
Malic Acid	A
Manganese Sulfate	A
Mash	N/A
Mayonnaise	A
Melamine	N/A
Mercuric Chloride (dilute)	A
Mercuric Cyanide	A
Mercurous Nitrate	A
Mercury	A
Methane	A
Methanol (Methyl Alcohol)	A
Methyl Acetate	B
Methyl Acetone	D
Methyl Acrylate	B
Methyl Alcohol 10%	A
Methyl Bromide	A
Methyl Butyl Ketone	D
Methyl Cellosolve	A
Methyl Chloride	A
Methyl Dichloride	D
Methyl Ethyl Ketone	D
Methyl Ethyl Ketone Peroxide	N/A
Methyl Isobutyl Ketone	D
Methyl Isopropyl Ketone	N/A
Methyl Methacrylate	B
Methylamine	C
Methylene Chloride	B
Milk	A
Mineral Spirits	N/A
Molasses	B
Monochloroacetic acid	B
Monoethanolamine	C
Morpholine	B

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316 Stainless Level Sensor	
Chemical	Rating
Motor oil	A
Mustard	A
Naphtha	A
Naphthalene	A
Natural Gas	A
Nickel Chloride	C
Nickel Nitrate	B
Nickel Sulfate	B
Nitrating Acid (<15% HNO3)	D
Nitrating Acid (>15% H2SO4)	C
Nitrating Acid (S1% Acid)	A
Nitrating Acid (S15% H2SO4)	C
Nitric Acid (20%)	A
Nitric Acid (50%)	A
Nitric Acid (5-10%)	A
Nitric Acid (Concentrated)	A
Nitrobenzene	B
Nitrogen Fertilizer	N/A
Nitromethane	A
Nitrous Acid	B
Nitrous Oxide	B
Oils: Aniline	A
Oils: Anise	A
Oils: Bay	A
Oils: Bone	A
Oils: Castor	A
Oils: Cinnamon	A
Oils: Citric	A
Oils: Clove	A
Oils: Coconut	A
Oils: Cod Liver	A
Oils: Corn	A
Oils: Cottonseed	A
Oils: Creosote	B
Oils: Diesel Fuel (20, 30, 40, 50)	A
Oils: Fuel (1, 2, 3, 5A, 5B, 6)	A
Oils: Ginger	D
Oils: Hydraulic Oil (Petro)	A
Oils: Hydraulic Oil (Synthetic)	A
Oils: Lemon	A

PVDF Flexible Level Sensor	
Chemical	Rating
Motor oil	B
Mustard	A
Naphtha	A
Naphthalene	A
Natural Gas	N/A
Nickel Chloride	A
Nickel Nitrate	A
Nickel Sulfate	A
Nitrating Acid (<15% HNO3)	N/A
Nitrating Acid (>15% H2SO4)	N/A
Nitrating Acid (S1% Acid)	N/A
Nitrating Acid (S15% H2SO4)	N/A
Nitric Acid (20%)	A
Nitric Acid (50%)	A
Nitric Acid (5-10%)	A
Nitric Acid (Concentrated)	A
Nitrobenzene	A
Nitrogen Fertilizer	N/A
Nitromethane	A
Nitrous Acid	B
Nitrous Oxide	D
Oils: Aniline	A
Oils: Anise	N/A
Oils: Bay	A
Oils: Bone	A
Oils: Castor	A
Oils: Cinnamon	N/A
Oils: Citric	A
Oils: Clove	N/A
Oils: Coconut	A
Oils: Cod Liver	A
Oils: Corn	A
Oils: Cottonseed	A
Oils: Creosote	N/A
Oils: Diesel Fuel (20, 30, 40, 50)	A
Oils: Fuel (1, 2, 3, 5A, 5B, 6)	B
Oils: Ginger	A
Oils: Hydraulic Oil (Petro)	A
Oils: Hydraulic Oil (Synthetic)	A
Oils: Lemon	A

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Oils: Linseed	A
Oils: Mineral	A
Oils: Olive	A
Oils: Orange	A
Oils: Palm	A
Oils: Peanut	A
Oils: Peppermint	A
Oils: Pine	A
Oils: Rapeseed	A
Oils: Rosin	A
Oils: Sesame Seed	A
Oils: Silicone	A
Oils: Soybean	A
Oils: Sperm (whale)	A
Oils: Tanning	A
Oils: Transformer	A
Oils: Turbine	A
Oleic Acid	A
Oleum 100%	A
Oleum 25%	B
Oxalic Acid (cold)	A
Ozone	A
Palmitic Acid	A
Paraffin	A
Pentane	C
Perchloric Acid	C
Perchloroethylene	A
Petrolatum	A
Petroleum	A
Phenol (10%)	B
Phenol (Carbolic Acid)	B
Phosphoric Acid (>40%)	D
Phosphoric Acid (crude)	B
Phosphoric Acid (molten)	C
Phosphoric Acid (S40%)	C
Phosphoric Acid Anhydride	N/A
Phosphorus	A
Phosphorus Trichloride	A
Photographic Developer	A
Photographic Solutions	N/A

PVDF Flexible Level Sensor	
Chemical	Rating
Oils: Linseed	A
Oils: Mineral	A
Oils: Olive	N/A
Oils: Orange	A
Oils: Palm	A
Oils: Peanut	A
Oils: Peppermint	A
Oils: Pine	A
Oils: Rapeseed	A
Oils: Rosin	A
Oils: Sesame Seed	A
Oils: Silicone	A
Oils: Soybean	A
Oils: Sperm (whale)	A
Oils: Tanning	A
Oils: Transformer	A
Oils: Turbine	A
Oleic Acid	A
Oleum 100%	D
Oleum 25%	C
Oxalic Acid (cold)	B
Ozone	A
Palmitic Acid	A
Paraffin	A
Pentane	A
Perchloric Acid	A
Perchloroethylene	A
Petrolatum	A
Petroleum	A
Phenol (10%)	A
Phenol (Carbolic Acid)	A
Phosphoric Acid (>40%)	B
Phosphoric Acid (crude)	A
Phosphoric Acid (molten)	D
Phosphoric Acid (S40%)	B
Phosphoric Acid Anhydride	D
Phosphorus	A
Phosphorus Trichloride	A
Photographic Developer	N/A
Photographic Solutions	B

Chemical Effect Rating

A	Excellent.
B	Good - Minor Effect, slight corrosion or discoloration.
C	Fair - Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.
D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.

OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Phthalic Acid	A
Phthalic Anhydride	A
Picric Acid	B
Plating Solutions, Antimony Plating 130°F	A
Plating Solutions, Arsenic Plating 110°F	A
Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F	A
Plating Solutions, Brass Plating: Regular Brass Bath 100°F	A
Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.	A
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F	A
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F	A
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	A
Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F	A
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F	D
Plating Solutions, Chromium Plating: Black Chrome Bath 115°F	C
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F	C
Plating Solutions, Chromium Plating: Fluoride Bath 130°F	D
Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F	C
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	D
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	D
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	A
Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F	A
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	A
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	N/A
Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate	A
Plating Solutions, Gold Plating: Acid 75°F	C
Plating Solutions, Gold Plating: Cyanide 150°F	A
Plating Solutions, Gold Plating: Neutral 75°F	C

PVDF Flexible Level Sensor	
Chemical	Rating
Phthalic Acid	A
Phthalic Anhydride	A
Picric Acid	A
Plating Solutions, Antimony Plating 130°F	A
Plating Solutions, Arsenic Plating 110°F	A
Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F	B
Plating Solutions, Brass Plating: Regular Brass Bath 100°F	B
Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.	A
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F	A
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F	A
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	A
Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F	A
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F	C
Plating Solutions, Chromium Plating: Black Chrome Bath 115°F	C
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F	C
Plating Solutions, Chromium Plating: Fluoride Bath 130°F	C
Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F	C
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	A
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	A
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	B
Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F	A
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	A
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	A
Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate	A
Plating Solutions, Gold Plating: Acid 75°F	N/A
Plating Solutions, Gold Plating: Cyanide 150°F	N/A
Plating Solutions, Gold Plating: Neutral 75°F	N/A

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OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Plating Solutions, Indium Sulfamate Plating R.T	C
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F	C
Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F	D
Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F	C
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	D
Plating Solutions, Iron Plating: Sulfamate 140°F	D
Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F	D
Plating Solutions, Lead Fluoborate Plating	C
Plating Solutions, Nickel Plating: Electroless 200°F	N/A
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	C
Plating Solutions, Nickel Plating: High-Chloride 130-160°F	C
Plating Solutions, Nickel Plating: Sulfamate 100-140°F	C
Plating Solutions, Nickel Plating: Watts Type 115-160°F	C
Plating Solutions, Rhodium Plating 120°F	D
Plating Solutions, Silver Plating 80-120°F	A
Plating Solutions, Tin-Fluoborate Plating 100°F	C
Plating Solutions, Tin-Lead Plating 100°F	C
Plating Solutions, Zinc Plating: Acid Chloride 140°F	D
Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T	C
Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F	C
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T	A
Potash (Potassium Carbonate)	B
Potassium Bicarbonate	B
Potassium Bromide	B
Potassium Chlorate	B
Potassium Chloride	A
Potassium Chromate	B
Potassium Cyanide Solutions	B
Potassium Dichromate	B

PVDF Flexible Level Sensor	
Chemical	Rating
Plating Solutions, Indium Sulfamate Plating R.T	N/A
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F	N/A
Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F	N/A
Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F	N/A
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	N/A
Plating Solutions, Iron Plating: Sulfamate 140°F	N/A
Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F	N/A
Plating Solutions, Lead Fluoborate Plating	N/A
Plating Solutions, Nickel Plating: Electroless 200°F	N/A
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	N/A
Plating Solutions, Nickel Plating: High-Chloride 130-160°F	N/A
Plating Solutions, Nickel Plating: Sulfamate 100-140°F	N/A
Plating Solutions, Nickel Plating: Watts Type 115-160°F	N/A
Plating Solutions, Rhodium Plating 120°F	N/A
Plating Solutions, Silver Plating 80-120°F	N/A
Plating Solutions, Tin-Fluoborate Plating 100°F	N/A
Plating Solutions, Tin-Lead Plating 100°F	N/A
Plating Solutions, Zinc Plating: Acid Chloride 140°F	N/A
Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T	N/A
Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F	N/A
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T	N/A
Potash (Potassium Carbonate)	A
Potassium Bicarbonate	B
Potassium Bromide	A
Potassium Chlorate	A
Potassium Chloride	A
Potassium Chromate	B
Potassium Cyanide Solutions	A
Potassium Dichromate	A

Chemical Effect Rating

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D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.

OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Potassium Ferricyanide	B
Potassium Ferrocyanide	B
Potassium Hydroxide (Caustic Potash)	A
Potassium Hypochlorite	B
Potassium Iodide	A
Potassium Nitrate	B
Potassium Oxalate	B
Potassium Permanganate	B
Potassium Sulfate	A
Potassium Sulfide	B
Propane (liquefied)	A
Propylene	A
Propylene Glycol	B
Pyridine	A
Pyrogallic Acid	B
Resorcinol	N/A
Rosins	A
Rum	A
Rust Inhibitors	A
Salad Dressings	A
Salicylic Acid	B
Salt Brine (NaCl saturated)	A
Sea Water	C
Shellac (Bleached)	A
Shellac (Orange)	A
Silicone	A
Silver Bromide	D
Silver Nitrate	B
Soap Solutions	A
Soda Ash (see Sodium Carbonate)	A
Sodium Acetate	B
Sodium Aluminate	A
Sodium Benzoate	N/A
Sodium Bicarbonate	A
Sodium Bisulfate	C
Sodium Bisulfite	B
Sodium Borate (Borax)	B
Sodium Bromide	C
Sodium Carbonate	A
Sodium Chlorate	B

PVDF Flexible Level Sensor	
Chemical	Rating
Potassium Ferricyanide	A
Potassium Ferrocyanide	A
Potassium Hydroxide (Caustic Potash)	A
Potassium Hypochlorite	A
Potassium Iodide	A
Potassium Nitrate	A
Potassium Oxalate	N/A
Potassium Permanganate	A
Potassium Sulfate	A
Potassium Sulfide	A
Propane (liquefied)	A
Propylene	N/A
Propylene Glycol	N/A
Pyridine	D
Pyrogallic Acid	A
Resorcinol	N/A
Rosins	N/A
Rum	N/A
Rust Inhibitors	N/A
Salad Dressings	N/A
Salicylic Acid	A
Salt Brine (NaCl saturated)	A
Sea Water	A
Shellac (Bleached)	N/A
Shellac (Orange)	N/A
Silicone	A
Silver Bromide	N/A
Silver Nitrate	A
Soap Solutions	A
Soda Ash (see Sodium Carbonate)	A
Sodium Acetate	A
Sodium Aluminate	N/A
Sodium Benzoate	A
Sodium Bicarbonate	A
Sodium Bisulfate	A
Sodium Bisulfite	A
Sodium Borate (Borax)	A
Sodium Bromide	A
Sodium Carbonate	A
Sodium Chlorate	A

Chemical Effect Rating

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C	Fair - Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.
D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.

OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Sodium Chloride	B
Sodium Chromate	B
Sodium Cyanide	B
Sodium Ferrocyanide	B
Sodium Fluoride	D
Sodium Hydrosulfite	N/A
Sodium Hydroxide (20%)	B
Sodium Hydroxide (50%)	B
Sodium Hydroxide (80%)	B
Sodium Hypochlorite (<20%)	C
Sodium Hypochlorite (100%)	D
Sodium Hyposulfate	A
Sodium Metaphosphate	A
Sodium Metasilicate	A
Sodium Nitrate	B
Sodium Perborate	B
Sodium Peroxide	A
Sodium Polyphosphate	B
Sodium Silicate	B
Sodium Sulfate	B
Sodium Sulfide	D
Sodium Sulfite	A
Sodium Tetraborate	A
Sodium Thiosulfate (hypo)	B
Sorghum	A
Soy Sauce	A
Stannic Chloride	D
Stannic Fluoborate	A
Stannous Chloride	A
Starch	A
Stearic Acid	A
Stoddard Solvent	A
Styrene	A
Sugar (Liquids)	A
Sulfate (Liquors)	B
Sulfur Chloride	D
Sulfur Dioxide	A
Sulfur Dioxide (dry)	A
Sulfur Hexafluoride	N/A
Sulfur Trioxide	C

PVDF Flexible Level Sensor	
Chemical	Rating
Sodium Chloride	A
Sodium Chromate	A
Sodium Cyanide	A
Sodium Ferrocyanide	A
Sodium Fluoride	A
Sodium Hydrosulfite	N/A
Sodium Hydroxide (20%)	A
Sodium Hydroxide (50%)	A
Sodium Hydroxide (80%)	A
Sodium Hypochlorite (<20%)	A
Sodium Hypochlorite (100%)	A
Sodium Hyposulfate	N/A
Sodium Metaphosphate	A
Sodium Metasilicate	N/A
Sodium Nitrate	A
Sodium Perborate	N/A
Sodium Peroxide	A
Sodium Polyphosphate	A
Sodium Silicate	A
Sodium Sulfate	A
Sodium Sulfide	A
Sodium Sulfite	A
Sodium Tetraborate	N/A
Sodium Thiosulfate (hypo)	A
Sorghum	N/A
Soy Sauce	N/A
Stannic Chloride	A
Stannic Fluoborate	N/A
Stannous Chloride	A
Starch	N/A
Stearic Acid	A
Stoddard Solvent	A
Styrene	N/A
Sugar (Liquids)	N/A
Sulfate (Liquors)	A
Sulfur Chloride	A
Sulfur Dioxide	A
Sulfur Dioxide (dry)	A
Sulfur Hexafluoride	N/A
Sulfur Trioxide	N/A

Chemical Effect Rating

A	Excellent.
B	Good - Minor Effect, slight corrosion or discoloration.
C	Fair - Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.
D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.

OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Sulfur Trioxide (dry)	A
Sulfuric Acid (<10%)	B
Sulfuric Acid (10-75%)	D
Sulfuric Acid (75-100%)	D
Sulfuric Acid (cold concentrated)	B
Sulfuric Acid (hot concentrated)	C
Sulfurous Acid	B
Sulfuryl Chloride	N/A
Tallow	A
Tannic Acid	A
Tanning Liquors	A
Tartaric Acid	C
Tetrachloroethane	A
Tetrachloroethylene	A
Tetrahydrofuran	A
Tin Salts	D
Toluene (Toluol)	A
Tomato Juice	A
Trichloroacetic Acid	C
Trichloroethane	B
Trichloroethylene	B
Trichloropropane	A
Tricresylphosphate	B
Triethylamine	A
Trisodium Phosphate	B
Turpentine	A
Urea	B
Uric Acid	B
Urine	A
Varnish	A
Vegetable Juice	A
Vinegar	A
Vinyl Acetate	B
Vinyl Chloride	A
Water, Acid, Mine	B
Water, Deionized	A
Water, Distilled	A
Water, Fresh	A
Water, Salt	B
Weed Killers	A

PVDF Flexible Level Sensor	
Chemical	Rating
Sulfur Trioxide (dry)	C
Sulfuric Acid (<10%)	A
Sulfuric Acid (10-75%)	A
Sulfuric Acid (75-100%)	A
Sulfuric Acid (cold concentrated)	A
Sulfuric Acid (hot concentrated)	C
Sulfurous Acid	A
Sulfuryl Chloride	N/A
Tallow	N/A
Tannic Acid	B
Tanning Liquors	N/A
Tartaric Acid	B
Tetrachloroethane	A
Tetrachloroethylene	N/A
Tetrahydrofuran	B
Tin Salts	A
Toluene (Toluol)	A
Tomato Juice	A
Trichloroacetic Acid	B
Trichloroethane	A
Trichloroethylene	B
Trichloropropane	N/A
Tricresylphosphate	D
Triethylamine	A
Trisodium Phosphate	A
Turpentine	A
Urea	A
Uric Acid	N/A
Urine	A
Varnish	N/A
Vegetable Juice	N/A
Vinegar	B
Vinyl Acetate	A
Vinyl Chloride	B
Water, Acid, Mine	A
Water, Deionized	A
Water, Distilled	A
Water, Fresh	A
Water, Salt	A
Weed Killers	N/A

Chemical Effect Rating

A	Excellent.
B	Good - Minor Effect, slight corrosion or discoloration.
C	Fair - Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.
D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.

OleumTech Liquid Level Sensors Chemical Resistance Rating Chart

316 Stainless Level Sensor	
Chemical	Rating
Whey	A
Whiskey & Wines	A
White Liquor (Pulp Mill)	A
White Water (Paper Mill)	A
Xylene	B
Zinc Chloride	B
Zinc Hydrosulfite	A
Zinc Sulfate	A

PVDF Flexible Level Sensor	
Chemical	Rating
Whey	N/A
Whiskey & Wines	A
White Liquor (Pulp Mill)	A
White Water (Paper Mill)	N/A
Xylene	A
Zinc Chloride	A
Zinc Hydrosulfite	N/A
Zinc Sulfate	A

Chemical Effect Rating

A	Excellent.
B	Good - Minor Effect, slight corrosion or discoloration.
C	Fair - Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.
D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.