

LIQUID/GAS COMPATIBILITY | TEMP 20°C / 68°F



[A] Excellent = Recommended [B] Good = Recommended

The AST4530 submersible pressure transducer is constructed of a PVDF (Kynar) housing, PTFE (Teflon) and Viton O-ring seal at the PVDF cord grip. The following reference guide is a general guideline for liquid compatibility. For more information, contact the liquid manufacturer for compatibility details.

WARNING

The information in this chart has been supplied to AST by other trustworthy sources and is to be used ONLY as a guide in selecting sensors for appropriate liquid/gas compatibility. Before installation, test sensors with the chemicals under the specific conditions of your application. The range of chemical behavior during handling (temperature, pressure, and concentrations) can cause equipment to fail, even though it passed an initial test. Take appropriate precautions when handling chemicals.

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Boric Acid - Butylene									
Boric Acid H ₃ BO ₃	Satu	A	A	A	Butyl Alcohol C ₄ H ₉ OH	Pure	A	A	A
Boron Trichloride BCl ₃		A	A	A	Butyl Amine C ₄ H ₉ NH ₂	Satu	B	A	A
Bromine Vapor	25	A	A	A	Butyn Diol HOCl ₂ CCH ₂ OH		A	A	A
Bromine Solution (Aqueous)	Satu	A	A	A	Butyl Phthalate C ₆ H ₄ (COOC ₄ H ₉)COOH		A	A	B
Butadiene CH ₂ =CHCH=CH ₂	Gas	A	A	A	Butyl Stearate C ₁₇ H ₃₅ COOC ₄ H ₉	Pure	A	A	A
Butane CH ₃ (CH ₂) ₂ CH ₃	Gas	A	A	A	Butylene CH ₃ CH ₂ CH=CH ₂		A	A	A
Butyric Acid - Casein									
Butyric Acid CH ₃ CH ₂ CH ₂ COOH	Pure	A	A	B	Calcium Sulfate CaSO ₄	Satu	A	A	A
Calcium Acetate Ca(CH ₃ COO) ₂	Satu	A	A	A	Calcium Sulfide CaS	Satu	A	A	A
Calcium Bisulfite (Calcium hydrogen sulfite) Ca ₂ (HCO ₃) ₂		A	A	A	Carbitol C ₂ H ₅ (OCH ₂ .CH ₂) ₂ OH		A	A	A
Calcium Bromide CaBr ₂		A	A	A	Carbon Dioxide Gas CO ₂	Wet	A	A	A
Calcium Carbonate CaCO ₃	Satu	A	A	A	Carbon Dioxide Gas CO ₂	Dry	A	A	A
Calcium Chlorate Ca(ClO ₃) ₂	Satu	A	A	A	Carbon Disulfide CS ₂	Pure	A	A	A
Calcium Chloride CaCl ₂	Satu	A	A	A	Carbon Monoxide CO	Gas	A	A	A
Calcium Hydroxide Ca(OH) ₂	Satu	A	A	A	Carbon Tetrachloride CCl ₄	Pure	A	A	B
Calcium Hypochlorite Ca(ClO) ₂	Satu	A	A	A	Carbonic Acid H ₂ CO ₃	Satu	A	A	A
Calcium Nitrate Ca(NO ₃) ₂		A	A	A	Casein		A	A	A

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Castor Oil - Copper Chloride									
Castor Oil	Pure	A	A	A	Chromic Acid Anhydride CrO ₃	20	A	A	B
Chloric Acid HClO ₃	20	A	A	A	Chromic Potassium Alum KCr(SO ₄) ₂	Satu	A	A	A
Chlorine Dioxide ClO ₂	8 gm/li	A	A	A	Citric Acid CH ₂ COOH	10	A	A	A
Chlorine Dioxide ClO ₂	14 gm/li	A	A	A*	Coconut Oil		A	A	A
<small>*Special Viton FPM-C required. Consult Chemline.</small>									
Chlorine Gas (up to 150 ppm moisture) Cl ₂	Dry	A	A	B	Copper Acetate Cu(CH ₃ COO) ₂	Satu	A	A	A
Chlorobenzene (Monochlorobenzene) C ₆ H ₅ Cl	Pure	A	A	B	Copper Borofluoride Cu(BF ₄) ₂		A	A	A
Chloroform (Trichloromethane) CHCl ₃	Pure	A	A	B	Copper Carbonate Cu ₂ CO ₃	Satu	A	A	A
Chromic Acid Anhydride CrO ₃	10	A	A	A	Copper Chloride CuCl ₂	Satu	A	A	A
Copper Cyanide - Dextrose									
Copper Cyanide CuCN	Satu	A	A	A	Croton Aldehyde CH ₃ CH=CH.CHO	Pure	A	A	A
Copper Fluoride CuF	Satu	A	A	A	Cupric Fluoride CuF ₂	Satu	A	A	A
Copper Nitrate Cu(NO ₃) ₂		A	A	A	Cuprous Chloride CuCl	Satu	A	A	A
Copper Sulfate CuSO ₄	Satu	A	A	A	Cyclohexane C ₆ H ₁₂	Pure	A	A	A
Corn Oil		A	A	A	Cyclohexanol C ₆ H ₁₁ OH	Pure	A	A	A
Corn Syrup		A	A	A	Decalin C ₁₀ H ₁₈	Pure	A	A	A
Cottonseed Oil		A	A	A	DEHPA (DI-2-Ethyl Hexyl Phosphoric Acid)		A	A	A
Creosote		A	A	A	Dextrine (C ₆ H ₁₂ O ₅) _n		A	A	A
Cresol C ₆ H ₄ (CH ₃)OH	Pure	A	A	A	Dextrose (Glucose) C ₆ H ₁₂ O ₆		A	A	A

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Diacetone Alcohol - Dimethyl Ether									
Dibutyl Phthalate C ₆ H ₄ (COOC ₄ H ₉) ₂	Pure	A	A	B	Diglycolic Acid (HO ₂ CCH ₂) ₂ O	Satu	A	A	A
Dichlorobenzene C ₆ H ₄ Cl ₂	Pure	A	A	B	Diisobutylene C ₈ H ₁₆	Pure	A	A	A
Dichloroethylene CH ₂ =CCl ₂		A	A	B					
Dimethyl-Formamide - Ethyl Monochloroacetate									
Dimethyl Phthalate C ₆ H ₄ (COOCH ₃) ₂		B	A	B	Ethyl Benzene C ₂ H ₅ C ₂ H ₅		A	A	A
Diocetyl Phthalate (DOP) C ₆ H ₄ (COOC ₈ H ₁₇) ₂		A	A	A	Ethyl Chloride C ₂ H ₅ Cl		A	A	A
Ethyl Alcohol C ₂ H ₅ OH	Pure	A	A	A	Ethyl Mercaptan C ₂ H ₅ -SH		A	A	A
Ethyl Oxalate - Formaldehyde									
Ethylene Chloride (Ethylene Dichloride) ClCH ₂ CH ₂ Cl		A	A	A	Ferric Chloride FeCl ₃	Satu	A	A	A
Ethylene Glycol HOCH ₂ -CH ₂ OH	Pure	A	A	A	Ferrous Hydroxide Fe(OH) ₂	Satu	A	A	A
Fatty Acids RCOOH		A	A	A	Ferrous Nitrate Fe(NO ₃) ₂	Satu	A	A	A
Ferrous Chloride FeCl ₂	Satu	A	A	A	Ferrous Sulfate FeSO ₄		A	A	A
Ferric Hydroxide Fe(OH) ₃	Satu	A	A	A	Fluoboric Acid HBF ₄	Pure	A	A	A
Ferric Nitrate Fe(NO ₃) ₃	Satu	A	A	A	Fluorine Gas F ₂	Wet	A	A	A
Ferric Sulfate Fe ₂ (SO ₄) ₃		A	A	A	Fluorosilicic Acid (Hydrofluorosilicic Acid) H ₂ SiF ₆	50	A	A	A
Ferric Sulfide Fe ₂ S ₃		A	A	A	Formaldehyde HCHO	35	A	A	A
Formaldehyde - Heptane									
Formaldehyde HCHO	37	A	A	A	Furfural C ₄ H ₃ OCHO	Pure	B	A	B
Formaldehyde HCHO	50	A	A	B	Gallic Acid C ₆ H ₂ (OH) ₃ COOH		A	A	A
Freon F-11 CCl ₃ F		A	A	B	Gasoline - Regular* <small>*For Premium grade Gasoline, a special Buna-N elastomer is recommended over Viton. Consult Chemline.</small>		A	A	B

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Formaldehyde - Heptane									
Freon F-12 CCl ₂ F ₂		A	A	B	Gasoline - Sour		A	A	B
Freon F-113 CClF ₂ -CClF		A	A	B	Gelatin & Glue		A	A	A
Freon F-114 CClF ₂ -CClF ₂		A	A	A	Glycerol (Glycerine) C ₃ H ₅ (OH) ₃	Pure	A	A	A
Fructose CH ₂ OH (CHOH) ₃ CH ₂ OH	CO	A	A	A	Glycolic Acid HOCH ₂ COOH	Satu	B	A	A
					Glycols (Ethylene Glycol)		A	A	A
Fruit Juice	Pure	A	A	A	Heptane CH ₃ (CH ₂) ₅ CH ₃		A	A	A
Hexane - Hydroquinone									
Hexane CH ₃ (CH ₂) ₄ CH ₃		A	A	A	Hydrofluoric Acid HF	30	A	A	A
Hexyl Alcohol CH ₃ (CH ₂) ₅ OH	Pure	A	A	A	Hydrofluoric Acid HF	40	A	A	A
Hydrobromic HBr	20	A	A	A	Hydrofluoric Acid HF	55	A	A	A
Hydrobromic Acid HBr	47	A	A	A	Hydrogen H ₂		A	A	A
Hydrochloric Acid HCl	25	A	A	A	Hydrogen Peroxide H ₂ O ₂	20	A	A	A
Hydrochloric Acid HCl	*35	A	A	A	Hydrogen Peroxide H ₂ O ₂	35	A	A	A
*Hydrochloric Acid: 20° Baumé = 32%; 23° Baumé (Fuming) = 38% concentration.					Hydrogen Sulfide Gas	Dry	A	A	A
Hydrochloric Acid HCl	*38	A	A	B	H ₂ S				
*Hydrochloric Acid: 20° Baumé = 32%; 23° Baumé (Fuming) = 38% concentration.					Hydrogen Sulfide (Aqueous)		A	A	A
					H ₂ S				
Hydrocyanic Acid HCN		A	A	A	Hydroiodic Acid HI		A	A	A
Hydrofluoric Acid HF	10	A	A	A	Hydroquinone C ₆ H ₄ (OH) ₂	Satu	A	A	A
Hypochlorous Acid - Lead Sulfate									
Hypochlorous Acid HClO	10	A	A	A	Lactic Acid CH ₃ CH(OH)COOH	25	A	A	A
Iodine I ₂		A	A	B	Lactic Acid CH ₃ CH(OH)COOH	80	A	A	A
Isobutyl Alcohol (CH ₃) ₃ CHCH ₂ OH	Pure	A	A	A	Lard (Animal Oil)		A	A	A

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Hypochlorous Acid - Lead Sulfate									
Iso-octane (CH ₃)CCH ₂ CH(CH ₃) ₂		A	A	A	Lauric Acid CH ₃ (CH ₂) ₁₀ COOH		A	A	A
Isopropyl Alcohol (CH ₃) ₂ CHOH	Pure	A	A	A	Lead Acetate Pb(CH ₃ COO) ₂	Satu	A	A	A
Isopropyl Chloride (CH ₃) ₂ CHCl		A	A	A	Lead Chloride PbCl ₂		A	A	A
Jet Fuel JP-4		A	A	A	Lead Nitrate Pb(NO ₃) ₂	Satu	A	A	A
Kerosene		A	A	A	Lead Sulfate PbSO ₄		A	A	A
Lemon Oil - Mercuric Nitrate									
Lemon Oil		A	A	A	Magnesium Fluoride MgF ₂	Satu	A	A	A
Linoleic Acid CH ₃ (CH=CH-CH ₂) ₃ -(CH ₂) ₇ COOH		A	A	A	Magnesium Hydroxide Mg(OH) ₂	Satu	A	A	A
Linoleic Oil		A	A	A	Magnesium Nitrate Mg(NO ₃) ₂		A	A	A
Linseed Oil		A	A	A	Magnesium Sulfate (Epsom Salts) MgSO ₄		A	A	A
Lithium Bromide LiBr		A	A	A	Maleic Acid HOOCCH ₂ COOH		A	A	A
Lithium Chloride LiCl	Satu	A	A	A	Malic Acid HOOCCH ₂ CH-(OH)COOH	Satu	A	A	A
Lithium Hydroxide LiOH		A	A	A	Manganese Chloride MnCl ₂		A	A	A
Liquor (Gin, Whiskey, etc.)		A	A	A	Manganese Sulfate MnSO ₄		A	A	A
Magnesium Carbonate MgCO ₃		A	A	A	Mercuric Chloride HgCl ₂		A	A	A
Magnesium Chloride MgCl ₂	Satu	A	A	A	Mercuric Cyanide Hg(CN) ₂		A	A	A
Magnesium Citrate Mg ₃ (C ₆ H ₅ O ₇) ₂		A	A	A	Mercuric Nitrate Hg(NO ₃) ₂		A	A	A
Mercuric Sulfate - Methylene Bromide									
Mercuric Sulfate HgSO ₄	Satu	A	A	A	Methyl Bromide CH ₃ Br		A	A	A
Mercurous Nitrate Hg ₂ (NO ₃) ₂	Satu	A	A	A	Methyl Chloroform CH ₃ CCl ₃		A	A	B
Mercury Hg		A	A	A	Methyl Salicylate C ₆ H ₄ (OH)COOCH ₃		A	A	A
Methane CH ₄		A	A	A	Methylene Bromide CH ₂ Br ₂		A	A	A
Methyl Alcohol CH ₃ OH	Pure	A	A	B					

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Methylene Chloride - Nitrobenzene									
Methylene Iodine CH ₂ I ₂		A	A	A	Nickel Dichloride NiCl ₂	Satu	A	A	A
Monochloroacetic acid ClCH ₂ COOH	50	A	A	B	Nickel Nitrate Ni(NO ₃) ₂	Satu	A	A	A
Monochlorobenzene C ₆ H ₅ Cl		A	A	B	Nickel Sulfate NiSO ₄	Satu	A	A	A
Monomethylaniline C ₆ H ₅ NHCH ₃		A	A	A	Nitric Acid HNO ₃	10	A	A	A
Morpholine O(CH ₂ CH ₂) ₂ NH	Pure	A	A	A	Nitric Acid HNO ₃	30*	A	A	A
Naphtha		A	A	A	<small>*When DV Series Diaphragm Valves are used on nitric acid, the PVDF Gas Barrier is always recommended if a Teflon diaphragm.</small>				
Naphthalene C ₁₀ H ₈		A	A	A	Nitric Acid HNO ₃	50*	A	A	A
Natural Gas		A	A	A	<small>*When DV Series Diaphragm Valves are used on nitric acid, the PVDF Gas Barrier is always recommended if a Teflon diaphragm.</small>				
					Nitrobenzene C ₆ H ₅ NO ₂		B	A	B
Nitroethane - Oxygen Gas									
Nitrogen Dioxide NO ₂		A	A	A	Oil - Sulfonated		A	A	A
Nitrous Acid HNO ₂	10	A	A	A	Oil - Machine, Mineral, Motor		A	A	A
Nitrous Oxide N ₂ O		A	A	A	Oil - Petroleum (Crude Oil)		A	A	A
Octane C ₈ H ₁₈		A	A	A	Oleic Acid CH(CH ₂) ₇ CH ₃ CH(CH ₂) ₇ COOH		A	A	A
Octene CH ₃ (CH ₂) ₅ CH=CH ₃	Pure	A	A	A	Olive Oil		A	A	A
Oil - Heavy		A	A	B	Organic Phosphorus Series Insecticide (Sumition®)		A	A	A
Oil - Light (Incl. Diesel Fuels)		A	A	A	Oxalic Acid HOCCOOH	20	A	A	B
Oil - Lubricating (ASTM 1)		A	A	A	Oxalic Acid HOCCOOH	50	A	A	B
Oil - Lubricating (ASTM 2 and 3)		A	A	A	Oxygen Gas O ₂		A	A	A
Ozone Gas - Photographic Solution									
Ozone Solution (Aqueous) O ₃	10	A	A	A	Phenylhydrazine Hydrochloride C ₆ H ₈ N ₂ ·HCl		A	A	A
Ozone Solution (Aqueous) O ₃	0.5	A	A	A	Phosphoric Acid H ₃ PO ₄	10	A	A	A
Palmitic Acid C ₁₅ H ₃₁ COOH	Pure	A	A	A	Phosphoric Acid H ₃ PO ₄	50	A	A	A

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Ozone Gas - Photographic Solution									
Paraffin Oil		A	A	A	Phosphoric Acid H ₃ PO ₄	85	A	A	A
Perchloroethylene Cl ₂ C=CCl ₂	Pure	A	A	A	Phosphorus Pentoxide P ₂ O ₅	Pure	A	A	A
Perchloric Acid HClO ₄	10	A	A	A	Phosphorus Trichloride PCl ₃	Pure	A	A	B
Perchloric Acid HClO ₄	70	A	A	A	Photographic Solutions (Sodium Thiosulfate)		A	A	A
Phenol C ₆ H ₅ OH	Pure	A	A	A	Na ₂ S ₂ O ₃				
Phthalic Acid - Potassium Bichromate									
Phthalic Acid C ₆ H ₄ (COOH) ₂		A	A	A	Polyethylene Glycol H(OCH ₂ CH ₂) _n OH		A	A	A
Picric Acid C ₆ H ₂ (OH)(NO ₂) ₃	10	A	A	A	Poly Aluminium Chloride [Al ₂ (OH) _n Cl _{6-n}] _m		A	A	A
Plating Solutions (Brass)		A	A	A	Polyvinyl Acetate [CH ₃ COOCH ₂ = CH ₂] _n		A	A	A
Plating Solutions (Cadmium)		A	A	A	Polyvinyl Alcohol [-CH ₂ -CH(OH)-] _n		A	A	A
Plating Solutions (Copper)		A	A	A	Potash (Potassium Carbonate) K ₂ CO ₃		A	A	A
Plating Solutions (Gold)		A	A	A	Potassium Acetate CH ₃ COOK	Satu	A	A	A
Plating Solutions (Lead)		A	A	A	Potassium Alum K ₂ SO ₄ Al ₂ (SO ₄) ₃	Satu	A	A	A
Plating Solutions (Rhodium)		A	A	A	Potassium Aluminum Silicate Al ₂ O ₃ ·K ₂ O·6SiO ₂		A	A	A
Plating Solutions (Silver)		A	A	A	Potassium Bicarbonate KHCO ₃	Satu	A	A	A
Plating Solutions (Tin)		A	A	A	Potassium Bichromate K ₂ Cr ₂ O ₇	Satu	A	A	A
Potassium Bisulfate - Potassium Sulfate									
Potassium Bisulfate KHSO ₄		A	A	A	Potassium Fluoride KF		A	A	A
Potassium Borate		A	A	A	Potassium Hypochlorite KClO		A	A	A
Potassium Bromate KBrO ₃		A	A	A	Potassium Iodide KI		A	A	A
Potassium Bromide KBr		A	A	A	Potassium Nitrate KNO ₃		A	A	A
Potassium Chlorate (Aqueous) KClO ₃		A	A	A	Potassium Permanganate KMnO ₄	10	A	A	A
Potassium Chloride KCl		A	A	A	Potassium Permanganate KMnO ₄	25	A	A	A

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Potassium Bisulfate - Potassium Sulfate									
Potassium Chromate K ₂ CrO ₄		A	A	A	Potassium Persulfate K ₂ S ₂ O ₈		A	A	A
Potassium Cyanide KCN		A	A	A	Potassium Phosphate K ₃ PO ₄		A	A	A
Potassium Ferricyanide K ₃ [Fe(CN) ₆]		A	A	A	Potassium Sulfate K ₂ SO ₄		A	A	A
Potassium Ferrocyanide K ₄ [Fe(CN) ₆]		A	A	A					
Potassium Sulfide - Silver Nitrate									
Potassium Sulfide K ₂ S		A	A	A	Salicylaldehyde C ₆ H ₄ OHCHO		A	A	A
Potassium Sulfite K ₂ SO ₃		A	A	A	Salicylic Acid C ₆ H ₄ OHCO ₂ H		A	A	A
Potassium Thiocyanate KSCN		A	A	A	Silicic Acid SiO ₃ .nH ₂ O		A	A	A
Propane CH ₃ CH ₂ CH ₃		A	A	A	Silicone Oil		A	A	A
Propane CH ₃ CH ₂ CH ₃	Pure	A	A	A	Silver Acetate CH ₃ COOAg		A	A	A
Propylene Dichloride CH ₃ CHClCH ₂ Cl		A	A	B	Silver Chloride AgCl		A	A	A
Radium Chloride RaCl ₂		A	A	A	Silver Cyanide AgCN		A	A	A
Rhodium Chloride RhCl ₃		A	A	A	Silver Nitrate AgNO ₃		A	A	A
Silver Sulfate - Sodium Hydroxide									
Silver Sulfate Ag ₂ SO ₄		A	A	A	Sodium Carbonate Na ₂ CO ₃		A	A	A
Sodium Acetate CH ₃ COONa	Satu	A	A	A	Sodium Chlorate NaClO ₃	Satu	A	A	A
Sodium Alum NaAl(SO ₄) ₂ .12H ₂ O	Satu	A	A	A	Sodium Chloride (Brine) NaCl		A	A	A
Sodium Bicarbonate NaHCO ₃		A	A	A	Sodium Chlorite NaClO ₂	25	A	A	B
Sodium Bichromate Na ₂ Cr ₂ O ₇	Satu	A	A	A	Sodium Cyanide (Aqueous) NaCN		A	A	A
Sodium Bisulfate NaHSO ₄		A	A	A	Sodium Dithionite Na ₂ S ₂ O ₄	10	A	A	B
Sodium Bisulfite NaHSO ₃		A	A	A	Sodium Ferricyanide Na ₃ [Fe(CN) ₆].H ₂ O	Satu	A	A	A
Sodium Bromate NaBrO ₃		A	A	A	Sodium Ferrocyanide Na ₄ [Fe(CN) ₆].10H ₂ O	Satu	A	A	A
Sodium Bromide NaBr	Satu	A	A	A	Sodium Fluoride NaF		A	A	A

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Sodium Hydroxide - Sodium Sulfite									
Sodium Hypochlorite (Bleach) NaOCl	3	A	A	A	Sodium Perchlorate NaClO ₄		A	A	A
Sodium Hypochlorite (Bleach) NaOCl	5	A	A	A	Sodium Peroxide Na ₂ O ₂		A	A	A
Sodium Hypochlorite (Bleach) NaOCl	7	A	A	A	Sodium Persulfate Na ₂ S ₂ O ₈	Satu	A	A	A
Sodium Hypochlorite (Bleach) NaOCl	10	A	A	A	Sodium Phosphate (Acidic) Na ₃ PO ₄		A	A	A
Sodium Hypochlorite (Bleach) NaOCl	13	A	A	A	Sodium Phosphate (Alkaline) Na ₃ PO ₄		A	A	A
Sodium Iodide NaI		A	A	A	Sodium Phosphate (Neutral) Na ₃ PO ₄		A	A	A
Sodium Metasilicate Na ₂ SiO ₃		A	A	A	Sodium Silicofluoride Na ₂ SiF ₆		A	A	A
Sodium Nitrate NaNO ₃	Satu	A	A	A	Sodium Sulfate Na ₂ SO ₄	Satu	A	A	A
Sodium Nitrite NaNO ₂	Satu	A	A	A	Sodium Sulfide Na ₂ S		A	A	A
Sodium Perborate NaBO ₃ ·4H ₂ O		A	A	A	Sodium Sulfite Na ₂ SO ₃		A	A	A
Sodium Thiocyanate - Sulphuric Acid									
Sodium Thiocyanate NaSCN		A	A	A	Sulfur Chloride S ₂ Cl ₂		A	A	A
Sodium Thiosulfate (Photographic Solutions)		A	A	A	Sulfur Dichloride SCL ₂		A	A	A
Soybean Oil		A	A	A	Sulfur Dioxide Gas SO ₂	Dry	A	A	A
Stannic Chloride (Tin (IV) Chloride) SnCl ₄		A	A	A	Sulfur Dioxide Gas SO ₂	Wet	A	A	A
Stannous Chloride (Tin (II) Chloride) SnCl ₂		A	A	A	Sulfuric Acid H ₂ SO ₄	10	A	A	A
Stearic Acid CH ₃ (CH ₂) ₁₆ COOH		A	A	A	Sulfuric Acid H ₂ SO ₄	30	A	A	A
Styrene C ₆ H ₅ CH=CH ₂		A	A	A	Sulfuric Acid H ₂ SO ₄	50	A	A	A
Succinic Acid HOOC(CH ₂) ₂ COOH		A	A	A	Sulfuric Acid H ₂ SO ₄	60	A	A	A
Sugar Liquors		A	A	A	Sulfuric Acid H ₂ SO ₄	70	A	A	A
Sulfur S	Pure	A	A	A	Sulfuric Acid H ₂ SO ₄	80	A	A	A
Sulphuric Acid - Titanium Tetrachloride									
Sulfuric Acid H ₂ SO ₄	90	A	A	A	Tartaric Acid (Dioxysuccinic Acid) CH(OH)COOH		A	A	A
Sulfuric Acid H ₂ SO ₄	93	A	A	A	 CH(OH)COOH				

Chemical	Concentration (%)	PVDF	Teflon	Viton	Chemical	Concentration (%)	PVDF	Teflon	Viton
Sulphuric Acid - Titanium Tetrachloride									
Sulfuric Acid H ₂ SO ₄	94	A	A	A	Tertiary Butyl Alcohol (CH ₃) ₃ C(OH)		A	A	A
Sulfuric Acid H ₂ SO ₄	95	A	A	A	Tetrachloroethane Cl ₂ CHCHCl ₂	Pure	A	A	A
Sulfuric Acid H ₂ SO ₄ <small>(66 Baumé Sulphuric Acid = 96% concentration.)</small>	96	A	A	B	Tetraethyl Lead Pb(C ₂ H ₅) ₄	Pure	A	A	A
Sulfurous Acid H ₂ SO ₃		A	A	A	Tetralin (Tetrahydronaphthalene) C ₁₀ H ₁₂	Pure	A	A	A
Sulfuryl Chloride SO ₂ Cl ₂	Pure	B	A	A	Titanic Sulfate Ti(SO ₄) ₂		A	A	A
Tall Oil		A	A	A	Titanium Dioxide TiO ₂		A	A	A
Tannic Acid (Tannin) C ₇₆ H ₅₂ O ₄₆		A	A	A	Titanous Sulfate Ti ₂ (SO ₄) ₃		A	A	A
Toluene - Xylene									
Toluene (Toluol) C ₆ H ₅ CH ₃		A	A	A	Urine		A	A	A
Trichloroethylene ClHC=CCl ₂		A	A	A	Varsol		A	A	A
Tricresyl Phosphate (CH ₃ C ₆ H ₄ O) ₃ PO		A	A	A	Vaseline (Petrolatum)		A	A	A
Triethanolamine (HOCH ₂ CH ₂) ₃ N		A	A	B	Vinegar		A	A	A
Triethylamine (C ₂ H ₅) ₃ N		B	A	A	Water - Deionized, Distilled or Potable		A	A	A
Trimethylpropane C ₆ H ₁₄		A	A	A	Water - Sea		A	A	A
Turpentine		A	A	A	Water - Waste (Domestic Sewage)		A	A	A
Uranium Oxide UO ₂		A	A	A	Wine (Red and White)		A	A	A
Urea CO(NH ₂) ₂	50	A	A	A	Xylene C ₆ H ₄ (CH ₃) ₂				
Zinc Acetate - Ammonium Fluoride (Mixed Chemical)									
Zinc Acetate (CH ₃ COO) ₂ Zn.2H ₂ O		A	A	A	Zinc Cyanide Zn(CN) ₂		A	A	A
Zinc Bromide ZnBr ₂	Satu	A	A	A	Zinc Nitrate Zn(NO ₃) ₂ .6 H ₂ O		A	A	A
Zinc Chloride ZnCl ₂		A	A	A	Zinc Sulfate ZnSO ₄		A	A	A

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Reference: Metex Corporation Limited

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