

FLUID COMPATIBILITY CHART

for metal threaded fittings sealed with Loctite® Sealants

LIQUIDS, SOLUTIONS & SUSPENSIONS

LEGEND:	
 All Loctite® Anaerobic Sealants 	are
Compatible Including #242®, 2	43,
542, 545, 565, 567, 569, 571, 5	572
577, 580, 592	
† Use Loctite® #270, 271™, 277,	554
■ Not Recommended	
□<10% (same as •)	
>10% (same ast)	
<5% (same as ●)	
>5% (same as †)	
◆Use Loctite® #242®, 243, 290.	565

◆ Use Loctite® #242®, 243, 290,	565
Abrasive Coolant	
Abrasive Coolant	.•
Acetate Solvents	. •
Acetimide	.•
Acetic Acid	•
Acetic Acid - glacial	.⊔
Acetic Anhydride	•
Acotono	•
Acetyl Chloride	
Acetylene (Liquid Phase)	. •
Acetyl Chloride	.•
Acrylic Ácid Acrylonitrile	. •
Activated Alumina	_
Activated Carbon	•
Activated Alumina	
Alcohol-AllylAlcohol-Amyl	
Alcohol-Amyl	.•
Alcohol-Benzyl	•
Alcohol-Butyl	•
Alcohol-Furfuryl	•
Alcohol-Hexyl	
Alcohol-Isopropyl	
Alcohol-IsopropylAlcohol-MethylAlcohol-Propyl	.•
Alum Ammonium	•
Alum-Ammonium	-
Alum-Potassium	•
Alum-Sodium	
Alumina	
Aluminum AcetateAluminum Bicarbonate	•
Aluminum Bifluoride	:
Aluminum Chloride	•
Aluminum Sulfate	
Ammonia Anhydrous	
Ammonia Solutions	
Ammonium Bisulfite	•
Ammonium Bromide	-
Ammonium Carbonate	•
Ammonium Chloride	
Ammonium Chromate	
Ammonium Fluoride Ammonium Fluorosilicate	•
Ammonium Formate	•
Ammonium Hydroxide	
Ammonium Hypoculfita	
Ammonium Iodiybdate	
Ammonium Molybdate Ammonium Nitrate	•
Ammonium Oxalate	-
Ammonium Persulfate	•
Ammonium Phoenhata	
Ammonium Picrate Ammonium Sulfate Ammonium Sulfate Scrubber	.•
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Ammonium Sulfide	-
Ammonium Sulfide Ammonium Thiocyanate	•
Amyl Amine Amyl Chloride Aniline	.•
Amyl Chloride	•
Aniline Dyes	•
Anodizing Bath	
Antichlor Solution Antimony Acid Salts Antimony Oxide	•
Antimony Acid Salts	
Antimony Oxide	•
Antioxidant Gasoline	
Aqua Regia Argon	
Armeen §	
Arochlor §	
Aromatic Gasoline	
Aromatic Solvents	•
Arsenic Acid Ashestos Slurry	
Ash Slurry	•
Asbestos Slurry Ash Slurry Asphalt Emulsions Asphalt Molten	
Asphalt Molten	

LIOU
2.40
Bagasse Fibers
Barium Acetate
Barium Carbonate Barium Chloride
Barium Hydroxide
Barium Sulfate
Battery Acid Battery Diffuser Juice ●
Bauxite (See Alumina)
Bentonite
Benzaldehyde
Benzene Hexachloride
Benzene in Hydrochloric Acid
Benzoic Acid Benzotriazole
Beryllium Sulfate
Bicarbonate Liquor
Bilge Lines Bleach Liquor
Bleach Liquor
Bleached Pulps Borax § Liquors
Boric Acid
Brake Fluids
Brine Chlorinated Brine Cold
Bromine Solution†
Butadiene
Butyl Acetate Butyl Alcohol
Butyl Amine
Butyl Cellosolve §
Butyl Chloride
Butyl Ether - Dry Butyl Lactate
Butyral Resin
Butyraldehyde
Butyric Acid
Cadmium Chloride
Cadmium Plating Bath
Calcium Acetate
Calcium Bisulfate
Calcium Carbonate
Calcium Chlorate Calcium Chloride
Calcium Chloride Brine
Calcium Citrate
Calcium Ferrocyanide Calcium Formate
Calcium Hydrovide
Calcium Lactate
Calcium Nitrate Calcium Phosphate
Calcium Silicate
Calcium Sulfamate
Calcium Sulfite
Calcium Sulfite Camphor
Carbitol Carbolic Acid (phenol)
Carbolic Acid (phenol) Carbon Bisulfide
Carbon Black
Carbon Tetrachloride
Carbonic Acid
Carbowax § Carboxymethyl Cellulose
Carnauba Wax
Casein
Casein Water Paint Celite
Cellosolve §
Cellulose Pulp
Cellulose Xanthate
Cement Grout
Cement Dry/Air Blown Cement Grout Cement Slurry
Ceramic Enamel
Ceric Oxide Chalk
Oh I D. I
Chemical Pulp
Chemical Pulp Chestnut Tanning
China Clay
Chestnut Tanning • China Clay • Chloral Alcoholate • Chloralted Hydrocarbons • Chlorinated Hydrocarbons •

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IDS, SOLUTION	١
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Creosote Cresylic Acid. Cyanide Solution Cyanuric Chloride Cyanuric Chloride Cyclohexane	
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Iodine Solutions.

Ion Exchange Service

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Irish Moss Slurry
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Iron Ore Taconité
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Isobutyl Alcohol
Isobutyraldehyde
Isooctane
Isooctane Isopropyl Alcohol
Isocyanate Resin
Isopropyl Acetate
Isopropyl Ether
Itaconic Acid
Jet Fuels Jeweler's Rouge●
Jeweler's Rouge
Jig Table Slurry
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Kaolin-China Clay §
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Ketone
Lacquer Thinner
Lactic Acid
Lapping Compound
Latex-Natural
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Laundry Bleach
Laundry Blue
Laundry Soda
Lead Arsenate
Lead Oxide
Lead Sulfate
Lignin Extract
Lima Claked
Lime Slaked
Lime Sulfur Mix
Liquid Ion Exchange
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Nickel Ammonium Sulfate

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Oil, Soluble Oleic Acid, hot Oleic Acid, cold Ore Fines-Flotation Ore Pulp Organic Dyes Oxalic Acid cold Ozone, wet
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Paradichlorobenezene Paraffin Molten Paraffin Oil Paraformaldehyde Pectin Solution Acid Pentachlorethane Pentaerythritol Sol. Perchlorethylene (Dry) Perchloric Acid Perchloromthyl Mercaptan Permanganic Acid
Persulfuric Acid Petroleum Ether Petroleum Ether Petroleum Jelly Phenol Formaldehyde Resins Phenol Sulfonic Acid Phenolic Glue Phoroglucinol Phosphate Ester Phosphate Sand Phosphatic Sand Phosphatic Sand Phosphatic Sand Phosphatic Sand Phosphatic
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Chlorine Dioxide Chlorine Liquid

Chlorine Dry Chloroacetic Acid.

Chlorinated Paperstock Chlorinated Solvents Chlorinated Sulphuric Acids Chlorinated Wax

Ferric-Floc

Ferric Chloride Ferric Nitrate ...

Ferric Sulfate Ferrocence-Oil Sol Phytate Salts
Pickling Acid, Sulfuric.
Picric Acid Solutions...
Pine Oil Finish



FLUID COMPATIBILITY CHART

for metal threaded fittings sealed with Loctite® Sealants

LIQUIDS, SOLUTIONS & SUSPENSIONS

LEGEND: LEGEND: All Loctite® Anaerobic Sealants are Compatible Including #242®, 243, 542, 545, 565, 567, 569, 571, 572, 577, 580, 592 † Use Loctite® #270, 271™, 277, 554 ■ Not Recommended □ <10% (same as •) >10% (same as t) ★ <5% (same as •) >5% (same as f ◆Use Loctite® #242®, 243, 290, 565 Plating Sol. as follows: Brass Cyanide.. Bronze-Cyanide Chromium & Cadmium Cyanide Cobalt Acid Copper Acid Copper Alk. Gold Cyanide Iron-Acid . Lead-Fluoro Nickel Bright Platinum Silver-Cyanide Tin-Acid Tin Alk. Barrel Zinc Acid Zinc Alk. Cyanide Polyacrylonitrile Slurry Polypentek Polysulfide Liquor Polyvinyl Acetate Slurry Polyvinyl Chloride Porcelain Frit Potash .. Potassium Acetate Potassium Alum, Sulfate... Potassium Bromide ... Potassium Carbonate. Potassium Chlorate Potassium Chloride Sol Potassium Chromate Potassium Cyanide Sol. Potassium Dichromate Potassium Ferricyanide Potassium Hydroxide.. Potassium Iodide. Potassium Nitrate Potassium Perchlorate..... Potassium Permanganate. Potassium Persulfate Potassium Phosphate Potassium Silicate Potassium Sulfate Potassium Xanthate Press Board Waste Propionic Acid Propyl Alcohol Propyl Bromide Propylene Glycol Pumice Pyranol Pyridine Pyrogallic Acid Pyrogen Free Water Pyromellitic Acid. Quebracho Tannin Rag Stock Bleached Rare Earth Salts Rayon Acid Water Rayon Spin Bath Rayon Spin Bath spent

Resorcinol

River Water
Road Oil
Roccal
Rosin-Wood
Rosin in Alcohol
Rosin Size
Rubber Latex
Rubbei Latex
Safrol
Salt Alkaline
Salt Electrolytic
Salt Refrg.
Sand-Air Blown Slurry Sand-Air Phosphatic Sea Coal
Sand-Air Phosphatic
Sea Coal
Sea Water
Selenium Chloride
Sequestrene
Sewage
Shellac
Shower Water
Silica Gel
Silica Ground
Silicone Tetrachloride
Silicone Fluids
Silver Cyanide
Silver Iodide-Aqu
Size Emulsion
Skelly Solve E, L
Slate to 400 Mesh
Soap Lye■
Soap Solutions (Stearates)•
Soap Stone Air Blown
Soda Pulp
Sodium Acetate
Sodium Acid Fluoride
Sodium Aluminate
Sodium Arsenate
Sodium Benzene Sulfonate●
Sodium Bichromate
Sodium Bisulfite
Sodium Bromide
Sodium Carbonate
Sodium Chlorate
Sodium Chlorite
Sodium Cyanide
Sodium Ferricyanide
Sodium Formate
Sodium Glutamate
Sodium Hydrogen Sulfate●
Sodium Hydrosulfite
Sodium Hydrosulfide●
Sodium Hydrochloride
Sodium Hydroxide
Sodium Hydro. 20% cold
Sodium Hydro. 20% cold Sodium Hydro. 20% hot
Sodium Hydro. 50% cold†
Sodium Hydro. 50% hot■
Sodium Hydro, 70% coldt
Sodium Hydro. 70% cold† Sodium Hydro. 70% hot■
Sodium Hypochlorite
Sodium Lignosulfonate
Sodium Metasilicate
Sodium Molten
Sodium Nitrate
Sodium Nitrite-Nitrate
Sodium Perborate
Sodium Peroxide
Sodium Persulfate
Sodium Phosphate-Mono
Sodium Phosphate-Tri
Sodium Potassium Chloride
Sodium Salicylate
Sodium Sesquicarbonate
Sodium Silicate
Sodium Silcofluoride
Sodium Stannate
Journal Starmate

Sodium Sulfate	Toluene
	p-Toluene Sulfonic Acid
Sodium Sulfide Sodium Sulfite	Transil Oil
Sodium Suinte	
Sodium Sulfhydrate	Trichloracetic Acid
Sodium Thiocyanate	Trichlorethane 1,1,1
Sodium Thiosulfate	Trichlorethylene
Sodium Tungstate	Trichlorethylene-Dry
	Triornord Dhaonhata
Sodium Xanthate	Tricresyl Phosphate
Solox-Denat. Ethanol	Triethanolamine
Soluble Oil	Triethylene Glycol
Solvent Naphthas	Trioxane
Sorbic Acid	Tungetic Acid
BOI DIC ACIU	Tungstic Acid
Sour Gasoline	Turpentine
Soybean Sludge-Acid	
Spensol Solution Stannic Chloride	UCON § Lube
stannic Chloride	Udylite Bath-Nickel
starch	
oldi (11	Undecylenic Acid
Starch Base Stearic Acid	Unichrome Sol. Alk
Stearic Acid	Uranium Salts
Steep Water	Uranyl Nitrate
Sterilization Steam	Uranyl Sulfato
Stillage Distillers	Uranyl Sulfate Urea Ammonia Liquor
buildye Distillers	Orea Amimonia Liquoi
Stoddard Solvent	
Styrene	Vacuum to 100 Micron
Styrene Butadiene Latex	Vacuum below 100 Micr
Sulfamic Acid	Vacuum Oil
Sulfan-Sulfuric Anhydride	Vanadium Pentoxide
Sulfathiazole	Slurry
Sulfite Liquor	Varnish
Sulfite Stock	Varsol-Naphtha Solv
	Varanna C
Sulfonated Oils	Versene §
Sulfones	Vinyl Acetate Dry or
Sulfonic Acids	Chloride Monomer Vinyl Chloride Latex Emul
Sulfonyl Chloride	Vinyl Chloride Latex Emul
	Vinyl Docin Clurry
Sulfur Slurry	Vinyl Resin Slurry
Sulfur Solution	Viscose
in Carbon Disulfide	Vortex-Hydroclone
Sulphuric Acid 0-7%†	*
Culphuric Acid 7 40% +	Water-Acid - Below pH7
Sulphuric Acid 7-40%† Sulphuric Acid 40-75%†	
Sulphuric Acid 40-75%T	Water pH7 to 8
Sulphuric Acid 75-95% Sulphuric Acid 95-100%■	Water Alkaline - Over pH8
Sulphuric Acid 95-100%■	Water Mine Water
Sulphurous Acid†	Water Potable
Sulfuryl Chloride	
	Water River
Surfactants	Water Sandy Water "White" - low pH Water "White" - high pH
Synthetic Latex	Water "White" - low pH
	Water "White" - high pH
aconite - Fines	Wax
	May Chlorinated
alc - Slurry	Wax Chlorinated
ankage - Ślurry	Wax Emulsions
annic Acid (cold)†	Weed Killer Dibromide
amin•	Weisberg Sulfate Plating
ar & Tar Oil	Wood ground pulp
	Wort Lines
artaric Acid	Wort Lines
elevision Chemicals	
ergitol §	X-Ray Developing Bath
ergitol §ergineol	X-Ray Developing BathXylene
orpincor	Nylono
etraethyl Lead etrahydrofuran	
etrahydrofuran•	Zelan
etranitromethane	Zeolite Water
extile Dyeing	Zeolite WaterZinc Acetate
extile Finishing Oil	Zinc Bromide
extile rinishing oil	ZIIIC DI UIIIIUE
extile Printing Oil	Zinc Chloride
hiocyanic Acid	Zinc Cyanide-Alk
hioglycollic Acid	Zinc Fines Slurry
hionyl Chloride	Zinc Flux Paste
hionhoenhoryl Chlorido	Zinc Calvanizina
hiophosphoryl Chloride	Zinc Galvanizing
hiourea	Zinc Hydrosulfite
horium Nitrate	Zinc Oxide in Water
'hymol•	Zinc Oxide in Oil
in Tetrachlorida	Zinc Sulfate
inning Sol. DuPont	Zincolate
"itania Paper Coating●	Zirconyl Nitrate
itanium Öxide Slurry	Zirconyl Sulfate
itanium Oxy Sulfate	y
itanium Sulfate	
HALHULL JUHAN	

Acetylene
Butane Butadiene Gas/Liquid Butylene Gas/Liquid By-Product Gas (Dry)
Carbon Dioxide Carbon Disulfide Carbon Disulfide Carbon Monoxide Chloride Dry Chlorine Dry Chlorine Wet Coke-oven Gas-hot † Cyanogen Chloride Cyanogen Gas
Ethane Ether-see Diethyl Ether Ethylene Ethylene Oxide
Freon § (11-12-21-22)† Furnace Gas hot† Furnace Gas cold•
Gas drip oil • Gas flue • Gas manufacturing • Gas natural •
Helium Hydrogen Gas-cold Hydrogen Chloride Hydrogen Cyanide Hydrogen Sulfide wet & dry.
Isobutane Methane Methyl Chloride
Natural gas dry Nitrogen gas Nitrous Oxide
Oil-Solvent Vapor Oxygen Ozone
Producer Gas 50 PSI Propane Propylene
Steam High Pressure (≤ 70 psi).■ Steam Low Pressure (≤ 70 psi).● Sulfur Dioxide Sulfur Dioxide dry Sulfur Trioxide Gas Sulfur Acid Vapor.■

NOTE: 1. The above information does not constitute a recommendation of sealant use. It is intended only as a guide for consideration by the purchaser with the expectation of favorable confirming test results. It is impossible to test sealant reaction with the multitude of chemicals in existence, therefore, compatibility has been estimated based on a wide variety of customer experience.

2. With the stringent action of such chemicals as Freon, strong cold acids and caustics, thorough evaluation is suggested. Sealing of hot corrosive chemicals is not recommended.

3. Contact Loctite Corporation for use with chemicals not covered by this information.

Toluol

§Listing(s) may be Brand Name(s) or Trademarks for chemicals of Corporations other than Loctite.

Loctite product numbers in red are worldwide or application-specific products

(This is a list of chemical stability only. It does not constitute approval for use in the processing of foods, drugs, cosmetics, pharmaceuticals, and ingestible chemicals). Loctite® sealants are not recommended for use in pure oxygen or chlorine environments or in conjunction with strong oxidizing agents, an explosive reaction can result.

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