SAVILLEX

CHEMICAL COMPATIBILITY MASTER GUIDE

Chemical resistance ratings for Savillex PFA and FEP products, compared with twelve other commonly used polymers.

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CHEMICALS & SOLUTIONS

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TEMPERATURES
20 °C · 50 °C

SAVILLEX

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October 2026

EFFECTS OF CHEMICALS ON PLASTICS

Chemicals can affect the strength, flexibility, surface appearance, color, dimensions or weight of plastics. The basic modes of interaction which cause these changes are:

01 —
CHEMICAL ATTACK
Attack on the polymer chain, with resultant reduction in physical properties — including oxidation, reaction of functional groups in or on the chain, and depolymerization.

02 —
PHYSICAL CHANGE
Absorption of solvents, resulting in softening and swelling of the plastic; permeation of solvent through the plastic; and dissolution in a solvent.

03 —
STRESS CRACKING
Cracking from the interaction of a "stress-cracking agent" with molded-in or external stresses.

Mixing and/or dilution of certain chemicals in plastic containers can be potentially dangerous. The reactive combination of compounds of two or more classes may cause a synergistic or undesirable chemical effect. Other factors affecting chemical resistance include temperature, pressure and internal or external stresses (e.g., centrifugation), length of exposure and concentration of the chemical. As temperature increases, resistance to attack decreases.

Another concern is environmental stress cracking, which is the failure of a plastic material in the presence of certain types of chemicals. This failure is not a result of chemical attack. Simultaneous presence of three factors causes stress cracking: tensile stress, a stress-cracking agent and inherent susceptibility of the plastic to stress cracking. Common stress-cracking agents are detergents, surface-active chemicals, lubricants, oils, ultra-pure water and plating additives such as brighteners and wetting agents. Relatively small concentrations of stress-cracking agent may be sufficient to cause cracking. Mixing and/or dilution of certain chemicals may result in reactions that produce excessive heat, which may lead to product failure. Pre-test your specific usage and always follow correct lab safety procedures.

CAUTION

Do not store strong oxidizing agents in plastic containers except those made of FEP or PFA. Prolonged exposure causes embrittlement and failure.

NOTE

Although several polymers may have excellent resistance to various flammable organic chemicals and solvents, OSHA 29 CFR 1910.106 for flammable and combustible liquids, or other local regulations, may restrict the volume of solvents which may legally be stored in an enclosed area.

USING THE CHEMICAL RESISTANCE CHARTS

The charts on the following pages are provided as general references for comparing Savillex PFA and FEP products with products manufactured from other common polymers. Because many different factors can affect the chemical resistance of a given product, we recommend that you test under your own conditions. If any doubt exists about specific applications, please contact Savillex. These charts can be used for all PFA and FEP products, including Purillex® bottles.

Master Edition · Ratings are general guidance — always pre-test under your own conditions.

HOW TO READ THIS GUIDE

Each chemical is rated for each polymer at 20 °C and 50 °C. Single substances are listed with their CAS number; mixtures and buffers are marked —. Chemicals known by more than one name are cross-referenced with “See” entries.

RATING	SCALE	MEANING
A	**Excellent**	Little or no damage; suitable for long-term use.
B	**Good**	Minor effect; suitable for short-term use.
C	**Fair / poor**	Significant damage; use with caution or only for temporary exposure.
D	**Not recommended**	Immediate or severe damage; avoid (D/NR).
–	**Not rated**	No rating available.

POLYMERS

Fourteen polymers are compared. PFA and FEP — used across Savillex products, including Purillex® bottles — are shown first and highlighted in purple. Full polymer names are listed on the back page.

ABOUT THIS EDITION

This master edition is a single alphabetical reference of 257 chemicals, with one rating for each chemical, polymer and temperature.

CHEMICAL ABBREVIATIONS & UNITS

CAS	Chemical Abstracts Service registry no.	–	No CAS no. (mixture or buffer)	DMF	Dimethylformamide
DMSO	Dimethylsulfoxide	EDTA	Ethylenediaminetetraacetic acid	Freon TF	Trichlorotrifluoroethane (CFC-113)
HCl	Hydrochloric acid / hydrochloride	MEK	Methyl ethyl ketone	MIBK	Methyl isobutyl ketone
PBS	Phosphate-buffered saline	PEG-400	Polyethylene glycol, avg. MW 400	SDS	Sodium dodecyl sulfate
TCA	Trichloroacetic acid	THF	Tetrahydrofuran	Tris	Tris(hydroxymethyl)aminomethane
pH	Acidity / alkalinity of solution	N / M	Normal / molar concentration	ug/mL	Micrograms per milliliter

CARE, INSPECTION & USE

The ratings in this guide are good-faith estimates based on accepted industry standards. Because many factors affect chemical resistance, always test under your own conditions.

PFA TEMPERATURE RANGE

Savillex PFA has a working temperature of −200 °C to 260 °C (−328 °F to 500 °F). Ratings here are given at 20 °C and 50 °C; resistance to attack decreases as temperature rises.

OXIDIZING AGENTS

Store strong oxidizers only in FEP or PFA. A container forgotten in storage will eventually fail and leak its contents.

INSPECT BEFORE EACH USE

Check for cracking, crazing, permanent discoloration or loss of flexibility. Replace any labware that shows signs of aging.

GENERAL CARE

Avoid prolonged UV or direct sunlight and clean with a pH-neutral detergent. Repeated autoclaving shortens labware life. Never place plastic labware in a flame.

A Excellent B Good C Fair / poor D Not recommended – Not rated

CHEMICAL	CAS NO.	SAVILLEX PFA & FEP				PTFE		ETFE		ECTFE		PVDF		PP		PPCO		LDPE		HDPE		PMP		PETG		PET		PC	
		20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°
1,4-Dioxane	123-91-1	A	A	A	A	A	A	A	C	A	C	D	D	D	D	B	C	B	C	B	B	C	D	–	–	–	–	D	D
2,2,4-Trimethylpentane	540-84-1	A	A	A	A	A	A	A	B	A	B	A	A	C	D	C	D	C	D	C	D	C	D	–	–	–	–	D	D
2,4,6-Trinitrophenol		See Picric Acid (2,4,6-Trinitrophenol)																											
2-Methoxyethanol	109-86-4	A	A	A	A	A	A	A	A	A	B	A	A	B	C	A	A	A	B	A	A	A	A	C	D	–	–	D	D
2-Propanol		See Isopropyl Alcohol (2-Propanol), 100%																											
Acetaldehyde	75-07-0	A	A	A	A	A	A	A	A	B	C	D	D	B	D	B	D	B	D	B	C	B	D	–	–	–	–	D	D
Acetamide, saturated	60-35-5	A	A	A	A	A	A	A	A	A	A	B	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	D	D
Acetate Buffer	–	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Acetic Acid, 50%	64-19-7	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	C	A	B	A	A	D	D	–	–	B	C
Acetic Acid, Glacial	64-19-7	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	B	D	B	C	B	B	D	D	D	D	D	D
Acetic Anhydride	108-24-7	A	A	A	A	A	A	A	A	A	A	D	D	B	C	B	C	D	D	C	C	A	B	–	–	–	–	D	D
Acetone	67-64-1	A	A	A	A	A	A	B	D	A	B	D	D	C	D	D	D	B	D	D	D	A	A	D	D	–	–	D	D
Acetonitrile	75-05-8	A	A	A	A	A	A	A	A	A	A	B	B	A	B	C	D	A	A	B	C	C	D	C	D	C	D	D	D
Acetophenone	98-86-2	A	A	A	A	A	A	A	A	A	A	D	D	C	D	C	D	D	D	C	C	B	D	–	–	–	–	D	D
Acrylonitrile	107-13-1	A	A	A	A	A	A	A	B	A	B	B	D	C	D	C	D	A	A	A	A	C	D	–	–	–	–	D	D
Adipic Acid	124-04-9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	–	–	–	–	A	A
Alanine	56-41-7	A	A	A	A	A	A	A	A	A	A	B	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Allyl Alcohol	107-18-6	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	B	–	–	–	–	B	B
Aluminum Chloride	7446-70-0	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Aluminum Hydroxide	21645-51-2	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	A	A	A	B	–	–	–	–	C	D
Aluminum Salts	–	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Ammonia	7664-41-7	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	D	D
Ammonium Acetate, saturated	631-61-8	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	B
Ammonium Chloride	12125-02-9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Ammonium Glycolate	–	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	A	A	B	–	–	–	–	B	C
Ammonium Hydroxide	1336-21-6	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	D	D	D	D	–	–
Ammonium Hydroxide, 30%	1336-21-6	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	A	A	B	D	D	–	–	D	D
Ammonium Hydroxide, 5%	1336-21-6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	D	–	–	C	D
Ammonium Oxalate	1113-38-8	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	A	A	B	–	–	–	–	A	A
Ammonium Salts	–	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	B
Ammonium Sulfate	7783-20-2	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Amyl Alcohol	71-41-0	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	A	A	A	A	B	C	–	–	–	–	B	C
Amyl Chloride	543-59-9	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	D	C	D	C	C	–	–	–	–	D	D
Aniline (Benzenamine)	62-53-3	A	A	A	A	A	A	A	B	B	D	A	C	A	B	B	C	A	B	B	C	B	C	–	–	–	–	D	D
Aqua Regia	8007-56-5	A	A	A	A	A	A	A	B	A	B	B	D	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Arsenic Acid	7778-39-4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	C	A	A	A	A	–	–	–	–	A	A
Benzaldehyde	100-52-7	A	A	A	A	A	A	A	C	A	C	C	D	A	B	A	B	A	B	B	D	A	C	–	–	–	–	D	D
Benzenamine		See Aniline (Benzenamine)																											
Benzene	71-43-2	A	A	A	A	A	A	A	B	A	B	A	A	D	D	D	D	D	D	D	D	D	D	D	D	–	–	D	D
Benzoic Acid, saturated	65-85-0	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	A	A	–	–	–	–	A	B
Benzol		See Benzene																											
Benzyl Acetate	140-11-4	A	A	A	A	A	A	A	B	A	B	–	–	A	B	A	B	A	B	A	A	A	B	–	–	–	–	C	D
Benzyl Alcohol	100-51-6	A	A	A	A	A	A	A	A	A	A	A	A	B	B	D	D	D	D	C	D	B	B	D	D	–	–	D	D
Boric Acid	10043-35-3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	–	–	A	A
Bromine	7726-95-6	A	A	A	A	A	A	A	B	A	B	A	A	D	D	D	D	D	D	C	D	D	D	–	–	–	–	C	D
Bromobenzene	108-86-1	A	A	A	A	A	A	A	C	B	D	A	A	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Bromoform	75-25-2	A	A	A	A	A	A	A	C	B	C	A	A	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Butadiene	106-99-0	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	D	C	D	D	D	–	–	–	–	D	D
Butanol	–	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	B	B	B	B	–	–
Butyl Acetate	123-86-4	A	A	A	A	A	A	A	B	A	B	C	D	C	D	B	C	B	C	B	C	C	C	–	–	–	–	D	D
Butyl Chloride	109-69-3	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	D	D	D	C	D	–	–	–	–	D	D
Butyric Acid	107-92-6	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	D	C	D	D	D	–	–	–	–	D	D
Calcium Chloride	10043-52-4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Calcium Hydroxide, concentrated	1305-62-0	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	D	D
Calcium Hypochlorite, saturated	7778-54-3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	–	–	–	–	C	D
Carbazole	86-74-8	A	A	A	A	A	A	A	A	A	A	–	–	A	A	A	A	A	A	A	A	A	A	–	–	–	–	D	D
Carbon Disulfide	75-15-0	A	A	A	A	A	A	A	B	A	C	B	D	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D

Master Edition · Ratings are general guidance — always pre-test under your own conditions.

A Excellent B Good C Fair / poor D Not recommended – Not rated

CHEMICAL	CAS NO.	SAVILLEX PFA & FEP				PTFE		ETFE		ECTFE		PVDF		PP		PPCO		LDPE		HDPE		PMP		PETG		PET		PC	
		PFA		FEP																									
		20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°
Carbon Tetrachloride	56-23-5	A	A	A	A	A	A	A	A	A	A	A	A	B	C	D	D	C	D	B	C	D	D	D	D	–	–	D	D
Caustic Potash		See Potassium Hydroxide																											
Caustic Soda		See Sodium Hydroxide																											
Cellosolve Acetate	111-15-9	A	A	A	A	A	A	A	B	A	A	A	B	C	D	A	B	A	B	A	A	A	B	–	–	–	–	C	D
Chlorine, dry gas, 10%	7782-50-5	A	A	A	A	A	A	A	A	A	A	A	A	C	D	B	D	B	D	A	C	B	D	–	–	–	–	A	B
Chlorine, wet gas, 10%	7782-50-5	A	A	A	A	A	A	A	A	A	A	A	A	C	D	C	D	B	D	B	C	D	D	–	–	–	–	B	C
Chloroacetic Acid	79-11-8	A	A	A	A	A	A	A	A	A	A	D	D	A	B	A	B	A	A	A	A	A	B	–	–	–	–	C	D
Chlorobenzene	108-90-7	A	A	A	A	A	A	A	A	B	C	A	A	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Chloroform	67-66-3	A	A	A	A	A	A	A	B	B	C	A	B	D	D	D	D	C	D	C	D	D	D	–	–	–	–	D	D
Chromic Acid / Sulfuric Acid Mixture, 96%	–	A	A	A	A	A	A	A	B	A	B	A	B	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Chromic Acid, 20%	7738-94-5	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	C	A	A	A	A	A	A	B	–	–	–	B	C
Chromic Acid, 50%	7738-94-5	A	A	A	A	A	A	A	A	A	A	A	B	B	C	B	C	A	A	A	A	B	B	–	–	–	–	C	D
Cinnamon Oil	–	A	A	A	A	A	A	A	B	A	B	–	–	D	D	D	D	D	D	D	D	D	D	–	–	–	–	B	C
Citrate Buffer	–	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Citric Acid, 1 M	77-92-9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	–	–	A	A
Copper Sulfate	7758-98-7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	A	A
Cresol	1319-77-3	A	A	A	A	A	A	A	A	A	B	A	B	B	C	B	C	D	D	C	D	D	D	–	–	–	–	D	D
Cyclohexane	110-82-7	A	A	A	A	A	A	A	A	A	B	A	A	B	D	C	D	C	D	C	D	D	D	C	D	C	D	A	C
Cyclohexanone	108-94-1	A	A	A	A	A	A	A	A	A	A	B	D	C	D	C	D	D	D	C	D	B	C	D	D	–	–	D	D
Cyclopentane	287-92-3	A	A	A	A	A	A	A	A	A	A	A	A	C	D	C	D	D	D	C	D	C	D	–	–	–	–	D	D
Decahydronaphthalene		See Decalin (Decahydronaphthalene)																											
Decalin (Decahydronaphthalene)	91-17-8	A	A	A	A	A	A	A	A	A	A	–	–	D	D	B	C	B	C	A	B	C	D	–	–	–	–	A	–
Diacetone	–	A	A	A	A	A	A	A	B	A	B	D	D	B	C	B	C	D	D	D	D	C	C	D	D	–	–	D	D
Diacetone Alcohol	123-42-2	A	A	A	A	A	A	A	B	A	B	C	D	B	C	A	C	C	D	A	A	A	A	–	–	–	–	D	D
Dibutyl Phthalate	84-74-2	A	A	A	A	A	A	A	B	B	D	D	D	B	D	–	–	C	D	C	D	B	B	–	–	–	–	B	D
Dichloromethane / Methylene Chloride	75-09-2	A	A	A	A	A	A	B	D	C	D	A	B	C	D	C	D	D	D	D	D	C	D	D	D	D	D	D	D
Diethyl Benzene	25340-17-4	A	A	A	A	A	A	A	A	A	B	A	A	D	D	D	D	D	D	C	D	D	D	–	–	–	–	C	D
Diethyl Ether	60-29-7	A	A	A	A	A	A	A	A	A	B	A	B	C	D	D	D	D	D	C	D	D	D	A	–	–	–	D	D
Diethyl Ketone	96-22-0	A	A	A	A	A	A	B	C	B	C	D	D	B	B	B	B	D	D	D	D	B	C	–	–	–	–	D	D
Diethyl Malonate	105-53-3	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	B	–	–	–	–	C	D
Diethylamine	109-89-7	A	A	A	A	A	A	A	B	A	D	B	D	B	D	B	D	D	D	C	D	C	C	–	–	–	–	D	D
Diethylene Dioxide		See 1,4-Dioxane																											
Diethylene Glycol	111-46-6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	C
Diethylene Glycol Monoethyl Ether	111-90-0	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	C	D
Dimethyl Acetamide	127-19-5	A	A	A	A	A	A	A	B	A	B	D	D	A	A	A	A	C	D	A	A	C	B	–	–	–	–	D	D
Dimethylformamide (DMF)	68-12-2	A	A	A	A	A	A	B	B	B	B	D	D	A	A	A	A	A	A	B	C	A	A	D	D	D	D	D	D
Dimethylsulfoxide (DMSO)	67-68-5	A	A	A	A	A	A	A	B	A	B	D	D	A	A	A	A	A	A	B	C	A	A	D	D	C	D	D	D
Dioxane		See 1,4-Dioxane																											
Dipropylene Glycol	25265-71-8	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	C
EDTA Solutions	–	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Ethanol, 20%	64-17-5	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	B	B	A	A	–	–
Ethanol, 40%	64-17-5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	B	–	–	–	A	A
Ethanol, 70%	64-17-5	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	B	B	A	A	–	–
Ethanol, 95%	64-17-5	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	C	C	B	B	–	–
Ethanolamine	141-43-5	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	D	D	D	D	–	–
Ether	60-29-7	A	A	A	A	A	A	A	B	A	B	B	D	D	D	D	D	D	D	C	D	C	D	A	–	–	–	D	D
Ethidium Bromide, 10 ug/mL	1239-45-8	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Ethyl Acetate	141-78-6	A	A	A	A	A	A	A	A	A	A	D	D	B	D	B	C	A	A	A	A	C	D	D	D	–	–	D	D
Ethyl Benzene	100-41-4	A	A	A	A	A	A	B	C	B	C	B	D	D	D	D	D	D	D	C	D	D	D	A	–	–	–	D	D
Ethyl Benzoate	93-89-0	A	A	A	A	A	A	A	B	A	B	D	D	B	C	B	C	C	C	B	B	B	C	–	–	–	–	D	D
Ethyl Butyrate	105-54-4	A	A	A	A	A	A	A	B	A	B	D	D	B	D	B	D	B	D	B	C	C	D	–	–	–	–	D	D
Ethyl Chloride	75-00-3	A	A	A	A	A	A	A	A	A	A	A	A	C	D	C	D	C	D	D	D	C	D	–	–	–	–	D	D
Ethyl Cyanoacetate	105-56-6	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	C	D
Ethyl Lactate	97-64-3	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	C	D
Ethylene Chloride	107-06-2	A	A	A	A	A	A	A	A	A	D	A	A	D	D	D	D	D	D	D	D	D	D	D	D	–	–	D	D
Ethylene Glycol	107-21-1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	B
Ethylene Glycol Monomethyl Ether		See 2-Methoxyethanol																											

Master Edition · Ratings are general guidance — always pre-test under your own conditions.

A Excellent B Good C Fair / poor D Not recommended - Not rated

CHEMICAL	CAS NO.	SAVILLEX PFA & FEP																											
		PFA		FEP		PTFE		ETFE		ECTFE		PVDF		PP		PPCO		LDPE		HDPE		PMP		PETG		PET		PC	
		20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°
Ethylene Oxide, 100%	75-21-8	A	A	A	A	A	A	A	A	A	A	A	A	C	D	C	C	C	C	B	C	C	D	B	C	-	-	C	D
Ethylene Oxide, gas	75-21-8	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A	B	B	B	C	-	-	A	A
Fatty Acids, saturated	—	A	A	A	A	A	A	A	A	A	B	A	A	A	B	A	B	B	C	A	A	A	B	B	C	-	-	B	C
Fatty Acids, unsaturated	—	A	A	A	A	A	A	A	A	A	B	A	A	A	B	A	B	B	C	A	A	A	B	B	C	-	-	B	C
Fluorine, gas	7782-41-4	A	B	A	B	A	B	B	D	A	C	B	D	D	D	C	D	C	D	B	D	C	D	-	-	-	-	B	C
Formalin, 10%	50-00-0	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-	A	A
Formalin, 40%	50-00-0	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	A	-	-	-	-	A	A
Formic Acid	64-18-6	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	B	C	-	-	D	D	D	D	-	-
Freon TF	76-13-1	A	A	A	A	A	A	A	B	A	B	A	A	A	B	A	B	A	B	A	B	C	D	-	-	-	-	B	D
Fuel Oil	—	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	B	C	D	B	C	B	C	-	-	-	-	A	B
Gasoline	—	A	A	A	A	A	A	A	A	A	A	A	A	C	D	D	D	D	D	C	D	B	C	B	-	-	-	C	D
Glutaraldehyde	111-30-8	A	A	A	A	A	A	A	B	A	B	A	A	A	A	A	A	A	B	A	A	C	C	B	-	-	-	A	C
Glutaraldehyde, 2%	111-30-8	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	B	B	B	B	-	-
Glycerol / Glycerine, 100%	56-81-5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glycerol, 50%	56-81-5	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	A	A	A	A	-	-
Guanidine HCl	50-01-1	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	A	A	A	A	-	-
Guanidine Thiocyanate	593-84-0	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	A	A	A	A	-	-
Hexane	110-54-3	A	A	A	A	A	A	A	A	A	B	A	A	B	C	C	D	D	D	C	D	C	D	C	D	C	D	C	D
Hydrazine	302-01-2	A	A	A	A	A	A	B	D	B	C	A	A	D	D	D	D	D	D	D	D	D	D	-	-	-	-	D	D
Hydrobromic Acid, 69%	10035-10-6	A	A	A	A	A	A	A	A	A	A	A	A	A	B	-	-	A	A	A	B	A	A	-	-	-	-	B	C
Hydrochloric Acid, 1 N	7647-01-0	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	B	-	-	B	C	B	C	-	-
Hydrochloric Acid, 35%	7647-01-0	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	A	B	B	-	-	-	C	D
Hydrochloric Acid, 6 N	7647-01-0	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	B	C	-	-	C	D	C	D	-	-
Hydrofluoric Acid, 48%	7664-39-3	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	B	D	D	-	-	C	D
Hydrogen Peroxide, 30%	7722-84-1	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	B	A	B	B	C	A	B	C	D	C	D	A	A
Hydrogen Peroxide, 90%	7722-84-1	A	A	A	A	A	A	A	C	A	A	B	D	A	C	A	B	A	D	A	A	A	B	B	-	-	-	A	A
Imidazole Buffer	—	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	A	A	A	A	-	-
Iodine Crystals	7553-56-2	A	A	A	A	A	A	A	B	A	A	A	A	A	A	C	D	D	D	D	D	B	D	-	-	-	-	B	D
Isobutanol (iso-Butyl Alcohol)	78-83-1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	-	-	-	-	A	B
Isopropanol, 20%	67-63-0	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	B	B	A	A	-	-
Isopropanol, 70%	67-63-0	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	B	B	A	A	-	-
Isopropanol, 99%	67-63-0	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	C	C	B	B	-	-
Isopropyl Acetate	108-21-4	A	A	A	A	A	A	A	B	A	B	B	D	B	C	B	C	B	C	A	B	B	C	-	-	-	-	D	D
Isopropyl Alcohol (2-Propanol), 100%	67-63-0	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-	A	A
Isopropyl Benzene	98-82-8	A	A	A	A	A	A	A	B	A	B	-	-	C	D	C	D	C	D	C	D	D	D	-	-	-	-	D	D
Isopropyl Ether	108-20-3	A	A	A	A	A	A	A	B	A	B	A	B	D	D	D	D	D	D	C	D	D	D	-	-	-	-	D	D
Jet Fuel	—	A	A	A	A	A	A	A	A	A	A	A	A	C	D	C	D	C	D	C	D	C	D	-	-	-	-	B	D
Kerosene	—	A	A	A	A	A	A	B	C	A	A	A	A	C	D	D	D	C	D	C	D	B	C	B	-	-	-	A	-
L-Arginine Buffer	—	A	A	A	A	-	-	A	A	-	-	-	-	-	-	-	-	-	-	A	A	-	-	A	A	A	A	-	-
Lacquer Thinner	—	A	A	A	A	A	A	A	A	A	A	A	A	C	D	C	D	D	D	C	D	C	C	D	D	-	-	D	D
Lactic Acid, 3%	50-21-5	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	A	B	A	A	A	B	C	D	-	-	A	A
Lactic Acid, 85%	50-21-5	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B	A	A	A	B	D	D	-	-	A	B
Lead Acetate	301-04-2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-	A	A
Magnesium Chloride	7786-30-3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	-	-	-	A	A
Mercuric Chloride	7487-94-7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	-	-	A	A
Methanol (Methyl Alcohol), 100%	67-56-1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	C	C	B	B	B	C
Methoxyethyl Oleate	—	A	A	A	A	A	A	A	A	A	A	-	-	A	B	A	B	A	B	A	A	A	B	B	-	-	-	C	D
Methyl Acetate	79-20-9	A	A	A	A	A	A	A	B	A	B	A	D	B	C	B	C	C	D	C	C	A	A	D	D	-	-	D	D
Methyl Ethyl Ketone (MEK)	78-93-3	A	A	A	A	A	A	A	B	B	C	D	D	A	B	A	B	D	D	B	D	C	D	D	D	D	D	D	D
Methyl Isobutyl Ketone (MIBK)	108-10-1	A	A	A	A	A	A	A	B	A	B	D	D	B	C	B	C	D	D	D	D	C	C	D	D	-	-	D	D
Methyl Propyl Ketone	107-87-9	A	A	A	A	A	A	A	B	A	B	D	D	B	C	B	C	D	D	C	D	C	C	D	D	-	-	D	D
Methyl-t-Butyl Ether	1634-04-4	A	A	A	A	A	A	A	B	A	B	A	A	C	D	C	D	D	D	C	D	A	A	D	D	-	-	D	D
Methylene Chloride		See Dichloromethane / Methylene Chloride																											
MIBK		See Methyl Isobutyl Ketone (MIBK)																											
Mineral Oil	—	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	B	D	C	D	A	B	C	D	C	D	A	A
Mineral Spirits	—	A	A	A	A	A	A	A	B	A	B	A	A	C	D	C	D	C	D	C	D	A	A	B	-	-	-	C	C
n-Amyl Acetate	628-63-7	A	A	A	A	A	A	A	A	A	A	A	B	B	C	B	C	B	C	A	B	B	C	-	-	-	-	D	D

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A Excellent B Good C Fair / poor D Not recommended – Not rated

CHEMICAL	CAS NO.	SAVILLEX PFA & FEP																											
		PFA		FEP		PTFE		ETFE		ECTFE		PVDF		PP		PPCO		LDPE		HDPE		PMP		PETG		PET		PC	
		20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°
n-Butanol (n-Butyl Alcohol)	71-36-3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	–	–	–	–	B	C
n-Butyl Acetate	123-86-4	A	A	A	A	A	A	A	B	A	B	B	D	B	C	B	C	B	C	B	C	B	C	–	–	–	–	D	D
n-Decane	124-18-5	A	A	A	A	A	A	A	A	A	A	A	A	C	D	C	D	C	D	C	D	C	D	–	–	–	–	C	D
n-Heptane	142-82-5	A	A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	D	D	C	D	C	C	C	D	C	D	C	D
n-Octane	111-65-9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	C
n-Propanol	71-23-8	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	B	B	A	A	–	–
Nitric Acid, 50%	7697-37-2	A	A	A	A	A	A	A	A	A	A	A	B	C	D	C	D	B	C	C	D	C	D	B	–	–	–	B	C
Nitric Acid, 70%	7697-37-2	A	A	A	A	A	A	A	B	A	A	D	D	D	D	D	D	C	D	C	D	C	D	D	D	–	–	B	D
Nitrobenzene	98-95-3	A	A	A	A	A	A	A	B	A	B	B	D	D	D	D	D	D	D	D	D	C	D	D	D	–	–	D	D
Nitromethane	75-52-5	A	A	A	A	A	A	A	B	A	C	A	B	C	D	C	D	D	D	C	D	A	C	D	D	–	–	C	D
o-Dichlorobenzene	95-50-1	A	A	A	A	A	A	A	C	A	D	A	A	C	D	C	D	C	D	D	D	C	D	D	D	–	–	D	D
Oxalic Acid, 10%	144-62-7	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Ozone	10028-15-6	A	A	A	A	A	A	A	A	A	A	A	A	C	D	A	B	B	D	B	D	A	A	–	–	–	–	D	D
Ozone (aqueous)	10028-15-6	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	B	C	–	–	B	C	B	C	–	–
p-Chloroacetophenone	99-91-2	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	D
p-Dichlorobenzene	106-46-7	A	A	A	A	A	A	A	C	A	D	A	A	B	C	B	C	C	D	D	D	B	C	D	D	–	–	D	D
PEG-400	25322-68-3	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Peracetic Acid, 5%	79-21-0	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	B	C	–	–	A	B	B	C	–	–
Perchloric Acid, 70%	7601-90-3	A	A	A	A	B	C	A	B	A	B	A	B	B	D	B	D	B	D	B	D	B	D	–	–	–	–	D	D
Perchloric Acid, concentrated	7601-90-3	B	C	B	C	B	C	B	C	B	C	A	B	B	D	B	D	B	D	B	D	B	D	–	–	–	–	D	D
Perchloroethylene	127-18-4	A	A	A	A	A	A	A	A	A	B	A	A	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Petroleum	–	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	D	B	D	B	C	–	–	–	–	C	C
Phenol, 100%	108-95-2	A	A	A	A	A	A	A	C	A	B	A	B	D	D	D	D	D	D	D	D	D	D	D	D	–	–	D	D
Phosphate-Buffered Saline (PBS)	–	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Phosphoric Acid, 10%	7664-38-2	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	A	B	A	B	–	–
Phosphoric Acid, 85%	7664-38-2	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	D	A	A	A	B	–	–	–	–	A	B
Picric Acid (2,4,6-Trinitrophenol)	88-89-1	A	A	A	A	A	A	B	C	B	C	B	D	D	D	D	D	D	D	D	D	A	A	–	–	–	–	D	D
Potassium Chloride	7447-40-7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Potassium Hydroxide, 1 N	1310-58-3	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	D	D	D	D	–	–
Potassium Hydroxide, 30%	1310-58-3	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	–	–	–	–	D	D
Potassium Hydroxide, 50%	1310-58-3	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	D	D	–	–	D	D
Potassium Hydroxide, concentrated	1310-58-3	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	D	D	–	–	D	D
Potassium Permanganate	7722-64-7	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Propane, gas	74-98-6	A	A	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	D	A	A	D	D	–	–	–	–	C	D
Propionic Acid	79-09-4	A	A	A	A	A	A	A	B	A	C	A	A	A	B	A	B	C	D	A	C	A	C	–	–	–	–	D	D
Propylene Glycol	57-55-6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C
Propylene Oxide	75-56-9	A	A	A	A	A	A	A	C	D	D	D	D	A	B	A	B	A	B	A	A	A	B	–	–	–	–	B	C
Pyridine	110-86-1	A	A	A	A	A	A	A	B	D	D	D	D	A	A	D	D	D	D	D	D	C	D	–	–	–	–	D	D
Resorcinol, 5%	108-46-3	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	C
Resorcinol, saturated	108-46-3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	C
Salicylaldehyde	90-02-8	A	A	A	A	A	A	A	B	A	D	A	B	A	B	A	B	A	B	A	A	A	B	–	–	–	–	B	C
Salicylic Acid, powder	69-72-7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Salicylic Acid, saturated	69-72-7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
SDS, 1%	151-21-3	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	A	B	A	B	–	–
sec-Butanol (sec-Butyl Alcohol)	78-92-2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	–	–	–	–	A	B
Silicone Oil	–	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	D	D	–	–	A	A
Silver Acetate	563-63-3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Silver Nitrate	7761-88-8	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	–	–	–	–	A	A
Skydrol LD4 Aviation Hydraulic Fluid	–	A	A	A	A	A	A	A	A	A	A	A	C	A	B	A	B	B	C	A	B	A	B	–	–	–	–	D	D
Sodium Acetate	127-09-3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Sodium Azide	26628-22-8	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Sodium Bicarbonate Solution	144-55-8	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	B	B	A	A	–	–
Sodium Carbonate Solution	497-19-8	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	B	B	A	A	–	–
Sodium Chloride	7647-14-5	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Sodium Citrate	68-04-2	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Sodium Dichromate	10588-01-9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Sodium Hydroxide, 1 N	1310-73-2	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	D	D	D	D	–	–

Master Edition · Ratings are general guidance — always pre-test under your own conditions.

A Excellent B Good C Fair / poor D Not recommended – Not rated

CHEMICAL	CAS NO.	SAVILLEX PFA & FEP																											
		PFA		FEP		PTFE		ETFE		ECTFE		PVDF		PP		PPCO		LDPE		HDPE		PMP		PETG		PET		PC	
		20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°	20°	50°
Sodium Hydroxide, 1%	1310-73-2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	A	A	B	–	–	–	C	D
Sodium Hydroxide, 50%	1310-73-2	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	B	B	B	C	A	A	D	D	–	–	D	D
Sodium Hydroxide, 6 N	1310-73-2	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	D	D	D	D	–	–
Sodium Hydroxide, concentrated	1310-73-2	A	A	A	A	A	A	A	A	A	A	D	D	A	A	A	A	B	B	B	C	A	A	D	D	–	–	D	D
Sodium Hypochlorite (bleach), 1%	7681-52-9	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	B	C	B	C	–	–
Sodium Hypochlorite (bleach), 10%	7681-52-9	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	B	C	–	–	C	D	C	D	–	–
Sodium Phosphate	—	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Stearic Acid	57-11-4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	A	–	–	–	–	A	B
Sulfur Dioxide	7446-09-5	A	A	A	A	A	A	A	B	A	A	A	A	A	A	D	D	D	D	C	D	D	D	–	–	–	–	B	D
Sulfur Dioxide, dry gas	7446-09-5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Sulfur Salts	—	A	A	A	A	A	A	A	B	A	A	C	D	C	D	C	D	C	D	B	C	C	D	–	–	–	–	C	D
Sulfuric Acid, 30%	7664-93-9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	–	–	–	B	C
Sulfuric Acid, 98%	7664-93-9	A	A	A	A	A	A	A	B	A	A	A	B	C	D	C	D	B	B	C	D	B	C	D	D	–	–	D	D
Tartaric Acid	87-69-4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
TCA		See Trichloroacetic Acid (TCA)																											
tert-Butanol (tert-Butyl Alcohol)	75-65-0	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	A	A	B	–	–	–	–	B	C
Tetrahydrofuran (THF)	109-99-9	A	A	A	A	A	A	B	C	D	D	D	D	B	C	B	C	C	D	C	D	C	C	–	–	–	–	D	D
THF		See Tetrahydrofuran (THF)																											
Thionyl Chloride	7719-09-7	A	A	A	A	A	A	A	A	A	A	D	D	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Tincture of Iodine	—	A	A	A	A	A	A	A	A	A	A	A	B	A	A	B	D	A	B	B	C	D	D	–	–	–	–	B	D
Toluene	108-88-3	A	A	A	A	A	A	A	A	A	B	A	A	D	D	D	D	C	D	D	D	C	C	D	D	D	D	D	D
Tributyl Citrate	77-94-1	A	A	A	A	A	A	A	B	A	B	A	C	B	C	B	C	B	C	A	B	B	C	–	–	–	–	D	D
Trichloroacetic Acid (TCA)	76-03-9	A	A	A	A	A	A	A	B	A	C	A	B	B	C	C	D	C	D	C	D	A	A	–	–	–	–	C	D
Trichloroethane	—	A	A	A	A	A	A	B	D	A	A	A	A	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Trichloroethylene	79-01-6	A	A	A	A	A	A	A	A	D	D	A	A	D	D	D	D	D	D	D	D	D	D	–	–	–	–	D	D
Triethylene Glycol	112-27-6	A	A	A	A	A	A	A	A	A	A	–	–	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Tripropylene Glycol	24800-44-0	A	A	A	A	A	A	A	A	A	A	–	–	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	B
Tris Buffer Solution, pH 11	—	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B	A	B	C	D	–	–	C	D
Tris Buffer Solution, pH 7.0	—	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B	A	B	B	B	–	–	B	C
Tris-HCl	1185-53-1	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Trisodium Phosphate	7601-54-9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	B	D
Triton X-100, 0.1%	9002-93-1	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	A	B	A	B	–	–
Turpentine	—	A	A	A	A	A	A	A	A	A	A	A	A	C	D	D	D	C	D	C	D	C	D	B	–	–	–	C	D
Tween 20, 0.1%	9005-64-5	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	A	B	A	B	–	–
Tween 80, 0.1%	9005-65-6	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	B	–	–	A	B	A	B	–	–
Undecyl Alcohol	112-42-5	A	A	A	A	A	A	A	B	A	B	A	A	A	B	A	B	A	C	A	B	A	B	–	–	–	–	B	C
Urea, 1 M	57-13-6	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Vegetable Oils (soy/canola)	—	A	A	A	A	–	–	A	A	–	–	–	–	–	–	–	–	–	–	A	A	–	–	A	A	A	A	–	–
Vinylidene Chloride	75-35-4	A	A	A	A	A	A	B	C	B	C	A	A	D	D	D	D	D	D	C	D	D	D	–	–	–	–	D	D
Xylene	1330-20-7	A	A	A	A	A	A	A	B	A	A	A	A	D	D	C	D	D	D	C	D	C	D	D	D	D	D	D	D
Zinc Chloride, 10%	7646-85-7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Zinc Stearate	557-05-1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A
Zinc Sulfate, 10%	7733-02-0	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	–	–	–	–	A	A

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POLYMER CODE REFERENCES

PFA	Teflon PFA (perfluoroalkoxy)	FEP	Teflon FEP (fluorinated ethylene propylene)
PTFE	Teflon PTFE (polytetrafluoroethylene)	ETFE	Tefzel ETFE (ethylene-tetrafluoroethylene)
ECTFE	Halar ECTFE (ethylene-chlorotrifluoroethylene copolymer)	PVDF	Polyvinylidene fluoride
PP	Polypropylene	PPCO	Polypropylene copolymer*
LDPE	Low-density polyethylene	HDPE	High-density polyethylene
PMP	Polymethylpentene	PETG	Polyethylene terephthalate copolymer (glycol-modified)
PET	Polyethylene terephthalate	PC	Polycarbonate

*PPCO has replaced polyallomer (PA) in all products.

Physical properties of each resin (temperature range, purity, mechanical strength) are compared in the Savillex Resin Comparison Chart ›

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