

CHEMICAL RESISTANCE PROPERTIES

Industrial/Institutional Cleaning Chemical Tubing

The ratings in this chart are based on the results of laboratory tests. They reflect the relative capabilities of various Saint-Gobain's tubing formulations to withstand specific chemicals. The chemicals in this chart are EPA qualified disinfectants and sanitizers effective for use against SARS-CoV-2, the virus that causes COVID-19. For a complete list of all products that meet the EPA's criteria [click here](#) >>

NOTE: The ratings in the charts DO NOT reflect the extent to which extraction may occur, or the extent to which fluids may undergo any physical changes in properties or composition, as a result of coming into contact with the tubing. Saint-Gobain makes no representation or warranty with respect to the susceptibility of any fluid to become contaminated or undergo changes in properties or composition as a result of possible extraction of tubing ingredients by the fluid to be transmitted. Certain corrosives that would be destructive to tubing with prolonged exposure can be satisfactorily handled for short periods of time if flushed with water after use. All ratings are based on room temperature (73°F). Chemical resistance will be adversely affected by elevated temperatures.

KEY

E = Excellent
 G = Good
 F = Fair
 X = Not Recommended
 Environment, % Conc.*

Tygon® Chemical
 Tygon® C2-55-C
 Tygon® A-60-C
 Tygon® A-60-G
 Tygon® XL-60
 Tygon® E-65-F
 Versilon™ 2001
 Versilon™ SPX-50
 Versilon™ F-5500-A
 Tygon® 2375
 Versilon™ C-661-A-CE
 Versilon™ C-210-A
 Versilon™ C-617-A-CE
 HDPE
 LLDPE

	Tygon® Chemical	Tygon® C2-55-C	Tygon® A-60-C	Tygon® A-60-G	Tygon® XL-60	Tygon® E-65-F	Versilon™ 2001	Versilon™ SPX-50	Versilon™ F-5500-A	Tygon® 2375	Versilon™ C-661-A-CE	Versilon™ C-210-A	Versilon™ C-617-A-CE	HDPE	LLDPE
Ammonium Carbonate, 50% in w	E	-	E	E	E	E	E	E	E	E	E	E	E	E	E
Chlorine dioxide	F	-	F	F	G	G	F	X	E	F	F	X	E	F	F
Citric Acid, 10-20% in w	E	-	F	F	E	E	E	E	E	E	E	G	E	E	E
Ethanol (Ethyl Alcohol)	F	-	F	F	E	E	E	F	X	E	E	X	E	E	E
Glycolic Acid, 70% in w	E	-	G	G	G	E	E	E	X	E	E	X	F	E	E
Hydrochloric Acid, 10% in w	E	-	E	E	E	E	E	E	E	E	E	F	E	E	E
Hydrochloric Acid, 37% in w	E	-	G	G	E	E	E	X	G	E	E	X	E	E	E
Hydrogen Peroxide, 10% in w	E	-	E	E	E	E	E	E	E	E	E	E	E	E	E
Hydrogen Peroxide, 30% in w	E	-	E	E	E	E	E	E	E	E	E	F	E	E	E
Hydrogen Peroxide, 90% in w	G	-	G	G	E	E	G	F	E	G	G	X	F	G	G
Hypochlorous Acid, 25% in w	E	-	E	E	E	E	E	E	E	E	E	G	E	E	E
Iodine, 50 ppm in w	E	-	E	E	E	E	E	E	E	E	E	E	E	E	E
Isopropyl alcohol	F	-	F	F	F	F	E	X	E	E	E	X	E	E	E
Lactic Acid, 3-10% in w	E	-	E	E	E	E	E	E	X	E	E	G	E	E	E
Lactic Acid, 85% in w	E	-	G	G	E	E	E	X	X	E	E	X	E	E	E
Peracetic Acid, 6%	X	G	F	F	-	-	-	-	F	E	E	-	E	E	E
Phenol, 5-10% in w	E	-	E	E	X	X	E	X	E	E	E	X	E	E	E
Phenol, 91% in w	E	-	E	E	X	X	E	X	E	E	E	X	E	E	E
Quaternary ammonium	E	-	E	E	E	E	E	E	E	E	E	E	E	E	E
Silver Nitrate, 55% in w	E	-	E	E	E	E	E	E	E	E	E	E	E	E	E
Sodium Carbonate, 7% in w	E	-	E	E	E	E	E	E	E	E	E	E	E	E	E
Sodium Chloride, 20% in w	E	-	E	E	E	E	E	E	E	E	E	E	E	E	E
Sodium Hypochlorite, 5.5% in w	E	-	E	E	E	E	E	E	E	E	E	G	E	E	E
Sodium Hypochlorite, 12.25 in w	E	-	E	E	E	E	E	G	E	E	E	G	E	E	E

Peristaltic Pump Use	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
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* If concentration is not indicated, assume 100% concentration or the maximum percent solubility in water

** If the chemical you are looking for is not listed, please reach out to Saint-Gobain for a tubing recommendation. [Contact us](#) >>

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain tubing for all intended uses, including establishing the compatibility of any fluid with the tubing through which it is transmitted. Laboratory, field or clinical tests must be conducted in accordance with applicable requirements in order to determine the safety and effectiveness for use of tubing in any particular application. If intended for medical use, it is the user's responsibility to ensure that the tubing to be used complies with all applicable medical regulatory requirements.

NOTE: Concentrations of room temperature liquids are given in % volume. Concentrations of room temperature solids are given in % weight.

