

Chemical Resistance Table

media	Ester-PUR		Ether-PUR (FOOD)		Soft-PVC		LLDPE (MRDUC® and PROTAPE)		HDPE + LDPE (OP)		TPE		NEOPRENE®		HYP (C-SM)		VITON®		Silicon		PTFE		PA		ARAMID							
	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C	20 °C	60 °C						
silicic acids, aqueous	-	3	-	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1										
silicium dioxide → silicic acids																																
silicon oil/ -fat	1	2	1	2	-	1	1	1	2	1	1	1	1	1	2	3	1	2	2	1	1	1	1									
silver nitrate, aqueous	-	-	-	1	3	1	1	1	1	2	1	2	1	1	1	1	1	1	2	2	3	1	1	1								
Skydrol → hydraulic fluid, phosphoric esters																																
soap suds → detergents																																
soda ash → sodium carbonate																																
soda lye → sodium hydroxide																																
sodium acetate, aqueous	3	-	2	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1									
sodium benzoate, aqueous	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1								
sodium bi... → sodium hydrogen...																																
sodium bisulphate 10%	2	2																														
sodium borate → borax																																
sodium bromide						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
sodium carbonate (soda ash)	3	-	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
sodium chlorate, aqueous	3	-	2	-	1	1	1	1	2	1	3	1	1	1	1	1	1	1	1	2	1	2	1	2								
sodium chloride, aqueous (table-salt)	2	3	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	2					
sodium chlorite, aqueous						2	-	2																								
sodium chromate	3	-	3	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2								
sodium fluorides, generally	3	-	3	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2								
sodium hydrogencarbonate, aqueous	3	-	3	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
sodium hydrogensulfate	3	-	2	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
sodium hydrogensulfite, aqueous 10%	2	-	2	-	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1								
sodium hydroxide (caustic soda), aqueous 10%	3	-	2	3	1	2	1	1	1	1	2	1	1	1	1	1	2	3	1	1	1	1	1	3	-							
sodium hydroxide (caustic soda), aqueous 50%	-	-	-	-	-	1	2	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	-					
sodium hypochlorite, aqueous 10%	3	-	2	3	1	1	1	3	-	3	-	1	2	2	-	3	-	1	-	-	-	-	-	-								
sodium metaphosphates	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
sodium nitrate, aqueous 10%	2	3	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
sodium nitrite	3	-	2	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1								
sodium perborate	-	-	-	-	2	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3									
sodium phosphates	2	3	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	-								
sodium silicate, aqueous	-	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
sodium sulfate, aqueous (Glauber's salt)	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
sodium sulfides	2	2	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1									
sodium sulfite, aqueous 3%	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
sodium thiosulfate	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
solvents, generally (see exact media)	-	-	-	-	-	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2							
soybeans oil	1	1	2	-	1	1	2	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1									
spirit → ethanol																																
spirits	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
starch sugar	2	3	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
starch, aqueous	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
steam → water vapor																																
steam of oleum	-	-	-	3	-	-	-	-	-	-	3	3	-	1																		
stearic acid	3	-	2	3	1	2	1	1	1	3	2	3	-	1	3	1	2	1	1	1	1	1	1									
stone salt (halite) → sodium chloride																																
styrene	-	-	-	-	-	1	1	3	-	-	-	-	-	-	2	3	-	1	1	1	1	1	1									
succinic acid, aqueous	-	3	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
sugar syrup (saccharose)	2	3	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
sugar, dry	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
sulfonic acids, generally	-	-	-	1	2	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1									
sulfur dioxide → sulfuric acid																																
sulfur trioxide (sulfur acid anhydride)	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-									
sulfuric acid, 3%	3	-	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2								
sulfuric acid, 25%	-	3	-	2	3	1	1	1	2	1	2	1	2	1	1	1	3	-	1	1	-	3	-									
sulfuric acid, 50%	-	-	-	3	-	1	2	2	3	2	3	3	2	3	1	2	-	1	1	-	3	-	-									
sulfuric acid, 90% (fuming, oleum)	-	-	-	-	2	3	3	-	-	3	3	-	2	3	-	1	-	-	-	-	-	-	-									
sulphur hexafluoride																																
talco, talcum → magnesium silikates																																
tallow, sebum	2	3	2	3	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1									
tanning acid → tannine																																
tannins (tanning acid)	3	2	2	3	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1									
tar (tar oil)	-	-	-	3	-	2																		1	3	1	3					
tartaric acid, aqueous	2	3	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1									
tea tree oil	2	2																														
tee, aqueous																																
tetrachlorocarbonates → chloromethanes																																
tetrachloroethane	-	-	-	-	1	1	3	-	-	-	-	-	-	-	2	3	-	1	1	1	1	1	1									
tetrachloroethylene (perchloroethylene)	-	-	-	-	1	1	-	-	-	-	-	-	-	-	3	-	1	2	-	1	1	3	2									
tetrahydrofuran	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Tetralin (tetrahydronaphthalene)	-	-	-	-	1	1	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-									
thionyl chloride	-	-	-	-																												