

# TABLA DE RESISTÉNCIAS QUÍMICAS

## CHEMICAL RESISTANCE CHART

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### LEYENDA / LEGENDA

A	Excelente / Excellent											
B	Bueno / Good											
C	Aceptable / Suitable											
X	No resistente / Do not use											
-	Sin datos / No data											

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P	TPV		HYPALON		SILICON		TPE		23°C
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	
acetaldehyde, aqueous	B	X	B	X	B	X	A	B	B	X	B	B
acetamide	X		X		X		A		B		B	
acetic acid 10%	X		B	C	A	C	A		B	B	C	X
acetic acid 100%	X		X		X		X		B	C	X	C
acetic acid 3%	C	X	A	B	A	B	A		A	A	X	B
acetic acid ethyl ester (ethyl acetates)	X		X		X		B	X	X	C	X	X
acetic anhydride	X		X		X		A	B	A	A	A	B
acetone	X		X		X		B	C	A	B	X	
acetylacetone	X		X		X		A			X		
acetylene	A	A	A	A	B	C	A		A	B	A	X
acids, generally (see exact media)	C		B	C	A	B	B	C	A	B	C	X
acrylic acid ethlester	X		X		X		C	X	C	X	C	X
acrylic esters (ethyl acrylate)	X		X		X		A		A		B	
acrylonitrile	X		X		X		C	X	B	C	C	
adipic acid, aqueous	C		B	C	A	B	A	A	A	A	X	
ethylenediamine	A		A		A		A		B		C	X
air, containing oil-oil	A		X		X		X		B		C	
air, dry	A	A	A	A	A	A	A	A	A	A	A	
alcohols, generally (see exact media)	B	X	B	X	B	X	A	B	A	A	B	X
aliphatics, generally (see exact media)	A	B	A	B	C	X	C	X	B	X	X	X
alkalis, generally (see exact media)	B	C	A	B	A	B	B	B	A	B	X	
allyl alcohol	C	X	C	X	C	X	A	A	A	C	X	
allyl chloride	X		X		X		B	X	A	X	A	
alum, aqueous	A	B	A	A	A	B	A	A	A	A		B
aluminium acetates	C		B		A	A	A		A		X	
aluminium chloride, 10%	B	C	A	B	A	A	A		A	X	X	B
aluminium fluoride	C	X	C	X	A		A		A	A	C	
aluminium hydroxide	C	X	B	X	A				A	A	A	
aluminium nitrate	C		B		A		A		A	B		
aluminium phosphates	B		A		A		A		A			
aluminium sulfate, aqueous	B	X	A	C	A	A	A	B	A	A	A	B
aminoethanols	X		X		X		A		C		X	
ammonia, aqueous 100%	X		X		A	A	A	A	C	A		
ammonia, aqueous 3% (liquid ammonia)	C		A	B	A	A	A	A	C	X	A	A
ammonia, gaseous	B	X	A	C	A	A	A	B	A	A	A	B
ammonium acetate, aqueous	X		C	X	A	A	A	A	A	C	X	B
ammonium carbonate, aqueous	X		C	X	A	B	A	A	A	B	X	B
ammonium chloride, aqueous 3% (salmiac)	A	B	A	B	A	A	A	A	A	A	A	B
ammonium diphosphat, aqueous	C		A		A		A		A			
ammonium fluorides, aqueous	X		X		A	C	A	A	A	A		
ammonium metaphosphat, aqueous	A		A		A		A		A			
ammonium nitrate, aqueous	C	X	B	X	A	A	A	A	A	A		B
ammonium phosphates, aqueous	B	X	B	X	A	A	A	A	A	A		B
ammonium sulfate	A	X	A	C	A	A	A	A	A			B
ammonium thiocyanate	C		B		A		A			A	A	
amyl alcohols-pentanols	C		C		A		A		A			
amyl chlorides	X		X		X		B		X	X	X	X

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P	TPV		HYPALON		SILICON		TPE		23°C
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	
aniline	X		X		X		A		B	C	C	B
aniline hydrochloride	X		X		B	X			X		X	
anole-cyclohexanol (see cyclohexanol)	C		X		X		B		A	B	B	C
anone-cyclohexanone (see cyclohexanone)	C		X		X		B	C	X		X	
anthraquinonesulfonic acid, aqueous	X		X		A		A		A		X	
antifreezes (see exact media)												
antimony chlorides, free of water	X		X		A	A	A	A	A	B	C	X
antimony-III- chlorides, aqueous	C	X	B	X	A	A	A	A	A	A	B	X
aqua fortis (see nitric acid)	X		X		B	C	A	B	C		X	
aqua regia (nitrohydrochloric)	X		X		X		X		C		C	B
argon	A		A		A		A		A		A	
aromatics, generally (see exact media)	X		X		X		C	X	C	X	X	X
arsenic acid, aqueous	C	X	C	X	A	B	A	A	A	A	B	X
asphalt	B	X	B	X	B	C	B	X	C	X	C	X
ASTM-oils (see oil)												
ATE-brake fluids - brake fluids	X		X		X		C	X	C	X	X	X
barium chloride, aqueous	A	C	A	C	A	A	A	A	A	A		
barium hydroxide, aqueous	C	X	B	C	A	A	A	A	A	A		
barium sulfate	A		A		A		B		A		A	
barium sulfide	C	X	B	C	A		A		A		A	
basic aluminium acetate (see aluminium acetates)												
battery acid - sulfuric acid	X		X		C	X	B	C	B	C	X	A
beef tallow (beef fat) (see oil, animal)												
beer	A		A		A	A	A	A	A	A	A	
benzaldehyde	X		X		X		A		X		X	X
benzene	X		X		X		X		X		X	X
benzoic acid, aqueous	C	X	B	C	A	B	A	A	A	A	C	X
benzyl alcohol	X		X		C	X	A	C	A	A		
benzyl benzoate	X		X				B		A		A	
benzylchloride	X		X		A		X		X		B	X
bismuth carbonates	A		A		A		A				A	
bitumen (asphalt)	B	X	B	X	B	C	B	X	C	X	C	X
black liquor (cellulose-/pulp-production)	X		X						X	A	X	
bone oils	A		A		A		A		A	B	A	
borax, aqueous	B	C	A	A	A	A	A	A	A	A	A	
boric acid, aqueous	B	C	A	B	A	A	A	A	A	A	A	
brake fluid, ATE-	X	X	X	X	A		A	A	A	A	B	
brake fluid, ATS-	X	X	X	X	A		A		A		B	
brake fluid, out of glycolethers	X		X				A					
bromine	X		X		X	X	X		C	X	X	B
bromine water	X		X		X		C		B		X	
bromobenzene	X		X		X		C	X			X	
bromochloromethane	X		X		X		C	X	X		X	
butadiene	B	C	A	B	A	A	C	X	A	A	C	X
butane, gaseous	A		A		C	X	C	X	A		X	X
butane, liquid	A		A		B		B		A		C	X
butene, aqueous	A		A		B		X		A		C	

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P	TPV		HYPALON	SILICON	TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C
butter	B	A		B	X	A	C	
butter milk	B	A		B	A	B	A	
butyl acetates	X	X		X	B	X	X	X
butyl benzoate	A	A			B	X	X	
butyl carbitol	X	X			B	B	B	
butyl oleate	X	X				X	A	
butyl phenol	X	X		C X		X	X	
butyl stearate	A	A		A	B	B	X	
butylalcohol	B C	B C	B C			A A	B B	
butylamine	B	B		X	A	X	B	
butylether	X	C		A	B		C X	
butylglycol, aqueous	C	C		X	B B		C C	
butynediol	A	A				B		
butyraldehyde	X	X			A	C	C X	
butyric acid	C X	B C	A C	A		C	X B	
calcium acetate	B	B		A A	A	B	C X	
calcium bisulfate, aqueous	C X	B C	A		A	A	A A	X
calcium bisulphite, aqueous	C	C		A	A	A	B	X
calcium carbonate	A	A		A A	X	A	A	
calcium chloride, aqueous 10%	B X	A C	A A	A A	A A	A	A	
calcium hydroxide, aqueous	A C	A B	A A	A A	A	B		
calcium hypochlorite	X	X		A A	A-B	A	C X	
calcium nitrate	A	A		A A	A	A	A A	
calcium oxide (lime)	A	A		A		A	B	B
calcium phosphates, aqueous	B	B			A	A	A	
calcium sulfate	A	A		A	A	A	A	
calcium sulfide	A	A		A	A	A	A	
camphor	X	X				C X		
carbitol	X	X		C	A	B	B	
carbon dioxide, dry	A A	A A	A A	A A	A A	A A	A A	B
carbon dioxide, wet (carbonic acid)	B	A		A A	A A	A A	A A	A A
carbon disulfite	X	X		X	X	X	X	
carbon oxide (carbon monoxide)	A A	A A	A A	A A	A A	A A		
caro's acid				A		B		
castor oil	A	A		B C	B	A	A A	
caustic potash (see potash lye)								
celluloseacetate	A	A			A		A	
chloral hydrate	X	X		X		B		
chloramine, aqueous	B	B			A	A		
chloric acid, aqueous	X	C X	A B	X	A C	X		
chloride of lime (bleach)	X	X		B C A	A A	X X		
chlorinated water	X	C		B C C X	B	C		
chlorine oxides	X	X		B		A	C	
chlorine, aqueous	X	X		X	C X	X B	B B	
chlorine, gaseous dry	X	X		X	C	X		B
chloroacetic acid, mono	X	X		A C	A	B	X	B
chlorobenzene	X	X		X	X	X	X	X
chloroform (trichloromethanes) (see chloromethanes)								
chloromethanes (chloroform, dichloromethane)	X	X		X	X	X	X	
chloroprene (chloro butadiene)	X	X		X	X	B	X	
chlorosulfuric acid	X	X		X	X	X	B	
chromic acid 10%	X	C X	A	B C	A	B		B
chromic acid 17%	X	X		A	C X	X	A	B
chromic acid 50%	X	X		X	X	B		
citric acid, aqueous	B X	A C	A A	A	B	B X		
coal tar	C	C		B	C	A		
coconut oil	A A	A A	A	B C	C	A A		
coconuts fatty alcohol	X	X		A B A		X	A A	
copper acetates, aqueous	B	B		A	A	B	C C	

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P	TPV		HYPALON	SILICON	TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C
copper chloride, aqueous	A			A		A A A	A A	
copper cyanide	C			A		A	A A	
copper fluoride, aqueous	X			X		A A A	A	
copper hydroxide	A			A		A		
copper nitrate, aqueous	C X	C X		C		A A A	A A	
copper sulfate, aqueous	B			B	C	A A A	A A	
cottonseed oil	A			A	A		C	A
creosote (coal tar)	X			X		B	C	A B
cresols	X			X		C X C	A	X
crotonaldehyde (butenal)	C X	B C		X		A A A	A	
cyclohexane	A B	A B		X		B X X	A A	X
cyclohexanol	C X	B X		X		A A B	X	X
cyclohexanone	X			X		B X X	X	X
cyclohexylamine	X			X		C X X	X X	
DEKALIN	X			X		A X X	A	
detergents, generally (see exact media)	B C	A B		A C A A		A A A	A	
developing dyes, generally (see exact media)	B			B		A A A	A A	
dxtrin, aqueous						A A A	A	
diacetone alcohol	B X	B X		X		C C C	X	B
dibenzylether	X			X		C X X	A	
dibutyl ether	X			X		B C X		X
dibutylamine	X			X		B X X	X	
dichloroacetic acid	X			X		B C X	C X	
dichlorobenzenes	X			X		C X X	X B	
dichloroethanes	X			X		C X X	B X	
dichloroethylenes	X			X		X X X	X B	
diethyl ether	A			A		C C C	X X	
diethylamine	X			X		A X X	X X	
diethylbenzene	X			X		A X X	X X	
diethylene glycol	C			C		B A A A	A A A	
diglycolic acid, aqueous	A			A	C A A B		A A	
dimethyl ether	C			X		A X X	X X	
dimethylamine	X			X		C X X	X X	
dimethylanilin (xylydines)	B			B		B X X	X B	
dimethylformamide	X			X		C X C	X X	X
imethylheptanon	X			X		C X X	X X	
dioxane	X			X		B C X	X X	
diphenyl	X			X		C X X	X A	
diphenyl chloride	X			X		X X X	X A	
diphenyl ether	X			X		B C X	X B	
dipropylene glycol						A A A	A A A	
dodecanol (laurylalcohol, 1-dodecanol)	A			A		A A A A	A A A	
epichlorhydrin	X			X		A X X	X X	
essential oil of, generally	B			B		C X X	X A	
ethane	A			A		A A B	A B A	
ethanol 100%	B X	A C		C X B X A B		A A B A B A	A B A	B
ethanol 50%	B X	A C		B X A B	A A		A A A	A A
ethanol, 10% (ethyl alcohol, spirit)	B C	A B		A A			A A A	A A
ethylchloride	X			X		C X C	A A A	A A B
ethylbenzene	X			X		X X X	X X X	
ethylbromide	B			B		B C X	X B	X
ethylene	A			A		B X X	X B B	
ethylene chloride dichloroethanes	X			X		C X X	X B B	B
ethylene chlorhydrin	X			X		B X B	X B X	B
ethylene glycol (glycol)	B X	A C		B		A A A A A A A A	A A A A B	
ethylene oxide, gaseous	A			A		A A A A A A A A	A A A A B	B
fatty acids with 1-7 C-atoms, generally	C X	B C		A		B C C C	C C C	B
fatty acids with >7 C-atoms, generally	B C	A B		A		B C C C	C C C	B
fatty alcohols, generally (see exact media)	C	B		B		C C C	B B B	B

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P		TPV		HYPALON		SILICON		TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C
fermentation gas (marsh gas)	A		A		A	A	A	A			
fertilizing salt, aqueous	X		C X	A A	A A	A A	A A	A A			
fish liver oil	A	A	X		A	B		B			
fish needle oil	B	B	X				X	C			
fluorobenzene	X	X			X	X	X				
fluoride of boron acid 65%	X	X	A				B	X			
fluorine, gaseous	X	X	C		X	X	C				
fluorosilicic acid, aqueous	X	X	A A	A	A	B	B	C	A		
formaldehyde, aqueous	B X	B X	B C	A A	A A	A	B	A			
formamide	X	X	X		A A	A A	A A				
formic acid 10%	C X	B X	A		A C	A B	B B	X	B		
formic acid 100%	X	X	B X	B X	B X	C X	X X				
formic acid 3%	B X	A B	A A	A A	A B	A A	A A	C	B		
freon R 11 (frigen)	C	C					A	X			X
freon R 113 (frigen)	C	C					A	X			
freon R 114 (frigen)	A	A	A				A	X			
freon R 12 (frigen)	C	C	B				A	X			
freon R 22 (frigen)	C	C			X	X	X				
fruit juice, fruit wine	B C	B C	A		A	A A	A A	A A			
furan	X	X	A			X		A A			
furfural	X	X	X		X	C	C				
gallic acid	X	C X	A		B	A	B				
gasoline, ASTM-Fuel A	A	A	X X	X X		A		C			
gasoline, ASTM-Fuel B	C	X	X X	X X		X		C			
gasoline, ASTM-Fuel C	X	X	X X	X X		X		X			
gasoline, diesel/diesel oil/heating oil	C	X	X X	X X		X		C			
gasoline, FAM-Fuel DIN 51604-A	A	A	X X	X X							
gasoline, FAM-Fuel DIN 51604-B	B	B	X X	X X							
gasoline, FAM-Fuel DIN 51604-C	X	X	X X	X X							
gasoline, flight- (kerosene)	X	C	X X	X X		X		C			
gasoline, generally (see exact media)	X	X	X X	X X		X		C X	X		
gasoline, white spirits	X X	X X	X X	X X	X	X		X			
gasoline-benzene (50/50%)	X	X	X X	X X		X		X			
gasoline-benzene (60/40%)	X	X	X X	X X		X		X			
gasoline-benzene (70/30%)	X	X	X X	X X		X		C			
gasoline-benzene (80/20%)	X	X	X X	X X		X		X			
gasoline-benzene-ethanol (50/30/20%)	X	X	X X	X X	X	X		X			
gelatin	B C	A B	X		A A	A A	A A	A			
glucose (dextrose)	B C	A B	A B	B	A A	A A	A A	A A			
glue (e.g. for wood)	B	B	A		A	A	A	A			
glycerol	A A	A A	A A	C	A A	A A	A A	A A	B		
glycine, aqueous 10%	X	X	A		A	B C	B C				
glycol- (see ethylene glycol)											
glycolic acid, 30%	X	C X	A A	A	A		A A	A A			
helium	A A	A A	A A	A A	A A	A A	A A	A A	A A		
heptane	A A	A A	A A	X	A	B C	X				
hexanal	X	X				X		X			
hexane	A B	A B	X		X	B		X X			
hexanetriol	X	X	A		A	A	A	A			
hexanol	X	X	X		X	C		X			
hexene	A	A					C	X			
hydraulic fluid, hydraulic oils DIN 51 524	A A	A A	A A	C	A	X	X	C			
hydraulic fluid, oil-in-water-emulsion HFA	A A	A A	A A			X C		X			
hydraulic fluid, phosphoric esters HFD	X	X	X			X		X			
hydraulic fluid, polyglycol-water HFC	B X	A C				A	B				
hydraulic fluid, water-oil-emulsion HFB	X	X				B					
hydrazine	X	X	A B	A	C		X				
hydrazine hydrate	C X	B C	A A		A	A	C				
hydrobromic acid 50%	X	C X	A A	A A	A A	A A	A A	B B	B		

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P		TPV		HYPALON		SILICON	TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	23°C
hydrochloric acid 10%	X		B	C	A	B	A	B	A A	B C B
hydrochloric acid 3%	C	X	A B	A A	A A	A A	A A	A A	A B	B B
hydrochloric acid 40%	X		X		B C	B C	B C	B C	B C	A
hydrofluoric acid 10%	C	X	B X	A A	A A					
hydrofluoric acid 40%	X		C X	A B	B B					
hydrofluoric acid 70%	X		X	C X	C		A A	A X		A
hydrogen	A		A		A		A A	A A	A A	A A
hydrogen cyanide	C		B		A C			B X C X		
hydrogen peroxide 3%	A B		B A A	A B A	A B A		A A	A A	A A	A
hydrogen peroxide 30%	B X		B X B C	B C	B C		B C A B	B C A B	X	
hydrogen sulfide, dry or wet	B X		B X X	X	A		A A	A A	B C	
hydrogen sulfites	X		C X A		B		A		C	
hydroquinol, aqueous	X		X	A C C			A		C	
hdrosilikoflouric acid, aqueous	X		X	A					B X	
hydroxylamine sulfate	X		X	A			A		A A	
ink, for writing	A		A	A A	A A		A A		A A	
iron sulfates, aqueous	B C	A B	A A		A A		A A		A A	
iron(III)-chloride, aqueous 10%	B C	A B	A A		A A		A B A A	A A A A	A A A A	A
isobutylalcohol	X		X		A		A A		A A	
isooctane	A B	A C	X		X		A A		A A	
isooctanol	X		X		X		B B		C	
isophorone	C		C		X		C X	X		
isopropanol (isopropyl alcohol)	B X	A X	C X		A		X X		X X	
isopropylacetate	C X	B X	C X		A		X X		X X	
isopropylbenzene (cumene)	X		C X	X	X		X X		X X	
isopropylchloride	X		X				X X		X X	
isopropylether	C X	B X	C				X B C X		C X	
ketones, generally (see exact media)	X		X				B C X		B C	X
lactic acid, aqueous 3%	B C	A B	A B		A B		A A A A	A A A A	A A A A	A
lactic acid, aqueous 50%	X		X		X		B C X		B C	
lactic acid, aqueous 10%	C X	B C	B C		A A		A A A A	A A A A	B B B B	
lanolin (wool fat)	A A	A A	B X		X		C C		C C	
laughing gas	A	A	A		A		A A		A A	
lavender oil	B		X				X X		X X	
lead acetates, aqueous	A A	A A	A A		A A		A A A A		B	
lead arsenate, aqueous	C		A		A		A A			
lead nitrate, aqueous	B		A		A		A A		A B	
lead sulfate	A		A		A		A A		A B	
lemon juice	B		A		A				A B	
lime - calcium oxide										
limonene (dipentene)	B		B				X X		B	
linoleic acid	B		A				X X		C	
linseed oil (flaxseed oil)	B C	B C	B X		B		A A A A		X X	
liquide manure	X		A		A				A A	
lithium bromide	A		A				A A A A		B	
lithium chloride	A		A				A A A A		A A A A	
magnesium chloride, aqueous 10%	A X	A C	A B		A A		A A A A		A A A A	A
magnesium hydroxide, aqueous	A		A		A		A A A A		A A A A	
magnesium silikates (talc)	A		A		A		A A A A		A A A A	
magnesium sulfate, aqueous	A B		B A A		A A A		A A A A		A A A C	
magnesium sulfites, aqueous	C		A		A		A A A A		A A A A	
maize germ oil	B C	B C	B C		B C				B B	
maleic acid, aqueous	C X	B C	A C		A B		A A A A		B C C	
malic acid, aqueous (apple juice)	X		C X A		A		A A A A		A A A A	
margarine	A A	A A	A A		A B	X	B C C X			
marsh	A		A		A		A A A A		A A A A	
menthol	C X C X						A B A A		A A X	
mercury	A A	A A	A A		A A		A A A A		A A A A	
mercury nitrates	B X	B C	A						A	

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P	TPV		HYPALON	SILICON	TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C
mercury salts, aqueous generally	X		X		B	A	A	
mercury(II)-chloride	B	X	B	C	C	X	A	
mesityl oxide	X		X		X	C	X	
methane	A		A		A	X	B	
methanol (methyl alcohol)	B	X	B	C	C	X	A	B
methyl acetate	X		X		C	X	A	B
methyl acrylate	X		X		X		X	
methyl bromide	X		X		X	X	X	
methyl chloride (see chloromethanes)	X		X		B	X	X	X
methyl chloroform trichloroethanes	X		X		C	B	X	
methyl ethyl ketone (MEK)	X		X		C	X	C	X
methyl glycol - ethylene glycol	X		X		A	C	X	
methyl isobutyl ketone	X		X		C	X	X	
methyl pyridolide (NMP)	X		X					
methylamine, aqueous	X		X		C	X	A	X
microbes (microorganisms)	X	X	A	A	A	B	C	A
mixed acid: sulfuric acid + nitric acid + water	A		A		A		A	
mixed acid: sulfuric acid + phosphoric acid + water	X		X		B	X	A	X
molasses	X	C	B	X	A	B	A	A
morpholine	X		X		A	B	A	A
must (fruit wine)	A		A		A	B	A	B
mustard	A		A	B		A		
myristyl alcohol (tetradecanol)	A		A		B	A	B	
naphta	B		B		X	C	X	X
naphthalene	C	X	C	X	X	C	X	X
natural gas, dry	A		A		C	X	C	X
natural gas, wet with 1-7 C-atoms	B		B		X	X	B	C
natural gas, wet with >7 C-atoms	A		A		C	X	B	C
nickel acetate	X		X			B	X	C
nickel chloride	B	X	A	C	A		X	C
nickel sulfate	B	C	A	B	A	A	A	A
nitric acid, 10%	X		X		B	C	A	B
nitric acid, 100%	X		X		X	C	X	X
nitric acid, 25%	X		X		C	X	B	C
nitric acid, 50%	X		X		X	B	X	X
nitroliptriethanol	X		X			B	A	
nitrobenzene	X		X		X	X	X	
nitrogen	A		A		A	A	A	
nitrogen oxides (nitrous fumes)	X		X		X	C	X	
nitroglycerin	X		X		A	C	X	
nitromethane	X		X		B	C	X	
nitropropanes	X		X		C	C	X	
nitrotoluenes	X		X		X	X		
nonyl alcohol (nonanol)	X		X		B	B	B	
octane	A		A		X	X	X	
octanols (octyl alcohol)	X		X		X	A	B	
oil, animal	A	A	A	A	B	C	C	X
oil, ASTM-oil nr. 1	A	A	A	A	C	X	X	
oil, ASTM-oil nr. 2	A	A	A	A	C	X	X	
oil, ASTM-oil nr. 3	A	C	C	X	C	X	B	C
oil, ATF-	A	A	A	A		C	X	C
oil, hydraulic - hydraulic fluid	A	A	A	A	B	X	C	B
oil, mineral	A	A	A	A	B	C	B	C
oil, vegetable	B	C	A	B	B	C	B	
oleic acid	X		X		B	X	X	A
oleum	A	A	A	A	C	B	C	B
olive oil	C	X	B	C	C	C	X	
ozone	C		C		C	A	B	
palm oil	B		B		C	B	C	B

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P	TPV		HYPALON	SILICON	TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C
palmitic acid	A			C		C	X	B
para formaldehyde	B				A			A
paraffin (paraffin oil)	A			B	X	X	C	B
pectins	A			A	A	A	A	
pentachlorophenol	X				B			C
pentanes	A			A	C	X	X	
pentanols (amyl alcohols)	X			X	A	X	X	
pentyl acetates	X			X	C	X	X	
perchloric acid, aqueous	X			B	C	B	A	X
petroleum	C			X	X	C	X	C
petroleum ether	C			X	X	X	X	X
pheol	X			X	X	X	B	C
phenylhydrazine	X			X	C	X	C	X
phosgene	X			X	X	B	C	X
phosphoric acid 3%	B	C	A	B	A	A	A	B
phosphoric acid 50%	X			X	A	B	A	C
phosphorus trichloride oxide	X			X	B	C	A	C
photo developer, generally ( see exact media)	X			B	A	A	B	
photo emulsion, generally (see exact media)	X			B	A	A	B	
photo fixing, generally (see exact media)	X			A	A	A	B	
phthalic ester (phthalates)	X			C	B	B	C	X
picric acid	C	X	B	C	A	A	A	B
polychlorinated biphenyls	B			B	C	X	X	X
potash lye 10%	B	C	A	B	A	B	A	B
potash lye 50%	X			C	X	B	C	A
potassium acetate, aqueous	C	X	C	X	A	A	A	X
potassium borate, aqueous	C	X	B	X	A	A	A	A
potassium bromate 10%	X			X	A	A	A	B
potassium bromide, aqueous	C	X	B	X	A	A	A	A
potassium carbonate, aqueous (potash)	C	X	C	X	A	A	A	A
potassium chlorate, aqueous	C	X	A	C	A	A	A	B
potassium chloride, aqueous	B	X	A	C	A	A	A	C
potassium chromate, aqueous 40%	X			X	A	C	A	B
potassium cyanide, aqueous	C	X	C	X	B	A	A	B
potassium dichromate, aqueous 40%	X			C	X	B	A	C
potassium hydrogencarbonate	B			B		A	A	A
potassium hydrogensulfate, aqueous	X			C	X		A	B
potassium hydroxide (see potash lye)								
potassium hypochlorite	X			X	A	A	B	C
potassium iodide, aqueous	X			X	A	A	A	B
potassium nitrate, aqueous	B	X	A	C	A	A	A	C
potassium perchlorate, aqueous	X			X	A	A	A	B
potassium permanganate, aqueous 5%	C	X	B	C	A	A	A	B
potassium peroxodisulfate	X			C	X	A	A	A
potassium phosphates	A			A		A	A	X
potassium sulfate, aqueous	A	C	A	B	A	A	A	B
potassium sulfite	A			A	A	A	A	A
propane, wet or gaseous	A			A	X	X	C	X
propargyl alcohol, aqueous 7%	X			X		B	C	B
propene (propylene)	X			X	B	X	X	X
propionic acid (propane acid )	X			X	A	C	X	C
propyl acetates	X			X		A	X	X
propylamines	X			X		A	X	X
propylene	X			X	B	A	X	X
propylene glycols (propanediols)	X			X	A	A	A	A
propylene oxide	X			X	C	X		X
pyridine	X			X	C	X	C	X
pyrrole	X			X	A		X	X
radiation, radioactive 108 Rad	B	B	B	B	C	C	B	X

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P		TPV		HYPALON		SILICON		TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C
radiation, ultraviolet	B	B	B	B	B	B	A	A	B	B	
rapeseed oil	A	X	B			B	B	C	X		
raw sugar juice	X		C		A		A	A			
salicylic acid	B		A		A	C	A		A		
sebacic esters	X		X		X		B	X			
silber salts, generally (see exact media)	C	X	C	X	A	C	A	B	A	A	B
silicic acids, aqueous	X		C	X	A	B	A	A	A	B	C
silicium dioxide - silicic acids											
silicon oil/-fat	A	B	A	B	X		A		B	C	B
silver nitrate, aqueous	X		X		A	C	A	B	A	A	B
sodium acetate, aqueous	C	X	B	X	A		A		A		B
sodium benzoate, aqueous	A		A		A		A	A	A	B	C
sodium bromide					A				A		
sodium carbonate (soda ash)	C	X	B	C	A	B	A	A	A	A	A
sodium chlorate, aqueous	C	X	B	X	A	A	A	C	A	A	B
sodium chloride, aqueous (table-salt)	B	C	B	C	A	A	A	A	A	A	A
sodium chlorite, aqueous					B	X	A	C	A	A	
sodium cyanide	C	X	C	X	A	A	A		A		A
sodium dichromate	C	X	C	X	X		A		A		B
sodium fluorides, generally	C	X	C	X	A		A		A		B
sodium hydrogen carbonate, aqueous	C	X	C	X	A		A	A	A	A	A
sodium hydrogensulfate	C	X	B	X	A		A		A		A
sodium hydrogensulfite, aqueous 10%	B	X	B	X	A	A	A	B	A	A	A
sodium hydroxide (caustic soda), aqueous 10%	C	X	B	C	A	B	A	B	A	A	B
sodium hydroxide (caustic soda), aqueous 50%	X		X		X		C	X	A	C	X
sodium hypochlorite, aqueous 10%	C	X	B	C	A		C	X	A	B	C
sodium metaphosphates	A		A		A		A		B		A
sodium nitrate, aqueous 10%	B	C	B	C	A	B	A	A	A	B	B
sodium nitrite	C	X	B	X	A	A	A	A	A	B	C
sodium perborate	X		X		B	C	A		A		A
sodium phosphates	B	C	B	C	A	A	A	A	A	B	B
sodium silicate, aqueous	X	C		A			A		A	A	A
sodium sulfate, aqueous (Glauber's salt)	B	C	A	B	A	A	A	A	A	A	A
sodium sulfides	B		B		A		A	B	A	B	
sodium sulfite, aqueous 3%	A	B	A	B	A	A	A	B	A	A	A
sodium thiosulfate	B	A		A	A		A	A	A	A	A
solvents, generally (see exact media)	X		X		X		X		X		X
soybeans oil	A		A	A	A		A		A		A
spirits	A		A	A	A		A	A	A		A
starch sugar	B	C	B	C	A		A		A	A	A
starch, aqueous	X		X		A		A	A	A	A	A
steam of oleum	X		X		C				C	X	
stearic acid	C	X	B	C	A	B	B	C	A	C	A
styrene	X		X		X		X		X	X	X
succinic acid, aqueous	X	C	X	A	A	A	A	A	A	B	X
sugar syrup (saccharose)	B	C	A	B	A	B	A	A	A	A	A
sugar, dry	A	B	A	A	A	A	A	A	A	A	A
sulfonic acids, generally	X		X		A	B	B	C	A		A
sulfur trioxide (sulfur acid anhydride)	X		X		X		X		X	X	
sulfuric acid, 25%	X		C	X	B	C	A	B	A	B	C
sulfuric acid, 3%	C	X	A	B	A	A	A	A	A	A	C
sulfuric acid, 50%	X		X		C	X	B	C	B	C	X
sulfuric acid, 90% (fuming, oleum)	X		X		X		X		C	X	X
sulphur hexafluoride											
tallow (talcum)	B	C	B	C	A		B	C	A	A	A
tanning acid - tannine	B-C		B		A		A		A	B	B
tannins (tanning acid)	C	B	B	C	A		A		A	A	A
tar (tar oil)	X		X		C	X	A		X		C
tartaric acid, aqueous	B	C	A	B	A		A	A	A	A	A

Media/ Substance	ESTER TPU	ETHER TPU	PVC-P		TPV		HYPALON		SILICON	TPE
	23°C	60°C	23°C	60°C	23°C	60°C	23°C	60°C	23°C	23°C
tea tree oil		B		B					B	C
tee, aqueous							A	A		
tetrachlorocarbonates - chloromethanes										
tetrachloroethane	X		X		X		X		X	X
tetrachloroethylene (perchloroethylene)	X		X		X		X		C	X
tetrahydrofuran	X		X		X		X		X	X
Tetralin (tetrahydronaphthalene)	X		X		X		X		X	X
thionyl chloride	X		X		X		X		A	X
thiophene	X		X		X		X		X	X
tin-II-chlorides, aqueous	C	X	B	C	A	B	A	B	B	C
tincture of iodine	X		X		B				B	X
toluene		X		X			X		X	X
town gas, free of benzene	A		A		A		C	X	C	X
transformer oil (see oil)										
tributyl phosphate	X		X		X		A		X	X
trichloroethanes (methyl chloroform)	X		X		C		B		X	X
trichloroacetic acid	X		X		B		C		C	X
trichloroethylene	X		X		X		X		X	X
trichloromethanes (see chloromethanes)										
tricresyl phosphate	X		X		X		B		X	X
triethylenamine	B		B		B		A		X	A
triethylene glycol	B	C	B	C			A		A	B
turpentine	X		X		X		X		X	X
turpentine, oil of	X		X		X		X		X	X
urea, aqueous	C	X	C	X	A	C	A		A	C
urine	A		A		A		A		A	A
varnish	C		B				X		X	X
vaseline	X		A		B	X			X	B
vinegar	X		C		B		A		C	A
vinyl acetate	X		X		X		B		C	X
vinyl chloride	X		X		X		B	C	X	X
waste water	X				A				A	A
water	A	C	A	A	A	A	A	A	A	A
water, mineral water - water	B	C	A		A	A	A	A	A	A
water, sea water/salt water - eau	A	C	A	A	A	A	A	A	A	A
water-glass, aqueous	X		C	X	A	B	A	A	A	B
weathering, generally	B	B	B	B	B	C	B	B	B	B
whale oils	B		B		B				C	A
wine	A		A		A		A		A	A
wood oil	C		B		C				C	C
XYLAMON	C		C				X		X	X
xlenes	X	X	X	X	X		X		X	X
yeast, aqueous	X		A		A		A		A	A
zinc acetate, aqueous	X		X		X				B	X
zinc chloride, aqueous	B	C	B	C	A	B	A	A	A	A
zinc sulfate, aqueous	B	C	B	C	A	A	A	A	A	A

#### LEYENDA / LEGENDA

A	Excelente / Excellent
B	Bueno / Good
C	Aceptable / Suitable
X	No resistente / Do not use
-	Sin datos / No data