

# TABELLA RESISTENZE CHIMICHE CHEMICAL RESISTANCE CHART

LEGENDA	
<b>A</b>	Eccellente / Excellent
<b>B</b>	Buono / Good
<b>C</b>	Idoneo / Suitable
<b>X</b>	Non utilizzare / Do not use
-	Dati non disponibili / No data

Sostanza/ Substance	ESTER TPU		ETHER TPU		SOFT-PVC		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	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	C
acetic acid 100%	X		X		X		X		B	C	X		
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		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 ethylester	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		
aethylenediamine	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	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	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	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		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	C	
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	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	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		A		
ammonium fluorides, aqueous	X		X		A	C	A	A	A	A			
ammonium metaphosphat, aqueous	A		A		A		A		A		A		
ammonium nitrate, aqueous	C	X	B	X	A	A	A	A	A	A	A		B
ammonium phosphates, aqueous	B	X	B	X	A	A	A	A	A	A	A		B
ammonium sulfate	A	X	A	C	A	A	A	A	A		A		B
ammonium thiocyanate	C		B		A		A				A	A	
amyl alcohols-pentanols	C		C		A		A		A		C		X
amyl chlorides	X		X		X		B		X		X		X

Sostanza/ Substance	ESTER TPU		ETHER TPU		SOFT-PVC		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	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	B
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	A		
barium hydroxide, aqueous	C	X	B	C	A	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 (seealuminium 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		
benzaldehyde	X		X		X		A		X		X	X	X
benzene	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	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		B		X		X		B	C	
borax, aqueous	B	C	A	A	A		A		A	B	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 glycoethers	X		X				A						
bromine	X		X		X	X	X		C	X	X	X	B
bromine water	X		X		X		C		B		X		
bromobenzene	X		X		X		C	X		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		

Sostanza/ Substance	ESTER TPU		ETHER TPU		SOFT-PVC		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	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	C	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	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	A	B		X				
calcium carbonate	A	A	A	A	X	A	A						
calcium chloride, aqueous 10%	B	X	A	C	A	A	A	A					
calcium hydroxide, aqueous	A	C	A	B	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	B		
carbon dioxide, wet (carbonic acid)	B	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					
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	X	C	X	X	B	B				
chlorine, gaseous dry	X	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	X					
chloroform (trichloromethanes) (see chloromethanes)													
chloromethanes (chloroform, dichloromethane)	X	X	X	X	X	X	X						
chloroprene (chloro butadiene)	X	X	X	X	B	X							
chlorosulfuric acid	X	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	X	B							
citric acid, aqueous	B	X	A	C	A	A	A	B	B	X			
coal tar	C	C	B	B	C	A							
coconut oil	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						

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

Sostanza/ Substance	ESTER TPU		ETHER TPU		SOFT-PVC		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	60°C	23°C
	fermentation gas (marsh gas)	A		A		A		A	A	A	A		
fertilizing salt, aqueous	X		C	X	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	B	A
formamide	X		X		X		A	A	A	A			
formic acid 10%	C	X	B	X	A		A	C	A	B	B	X	B
formic acid 100%	X		X		B	X	B	X	C	X	X		
formic acid 3%	B	X	A	B	A	A	A	B	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	
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		A		C		
gasoline, ASTM-Fuel B	C		X		X	X	X		X		C		
gasoline, ASTM-Fuel C	X		X		X	X	X		X		X		
gasoline, diesel/diesel oil/ heating oil	C		X		X	X	X		X		C		
gasoline, FAM-Fuel DIN 51604-A	A		A		X	X	X						
gasoline, FAM-Fuel DIN 51604-B	B		B		X	X	X						
gasoline, FAM-Fuel DIN 51604-C	X		X		X	X	X						
gasoline, flight- (kerosene)	X		C		X	X	X		X		C		
gasoline, generally (see exact media)	X		X		X	X	X		X		C	X	X
gasoline, white spirits	X	X	X	X	X	X	X		X		X		
gasoline-benzene (50/50%)	X		X		X	X	X		X		X		
gasoline-benzene (60/40%)	X		X		X	X	X		X		X		
gasoline-benzene (70/30%)	X		X		X	X	X		X		C		
gasoline-benzene (80/20%)	X		X		X	X	X		X		C		
gasoline-benzene-ethanol (50/30/20%)	X		X		X	X	X		X		X		
gelatin	B	C	A	B	X		A	A	A		A		
glucose (dextrose)	B	C	A	B	A	B	A	A	A		A	A	
glue (e.g. for wood)	B		B		A		A		A		A		
glycerol	A	A	A	A	A	C	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		
helium	A	A	A	A	A	A	A	A	A	A	A	A	A
heptane	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		
hexanol	X		X		X		X		C		X		
hexene	A		A						C		X		
hydraulic fluid, hydraulic oils DIN 51 524	A	A	A	A	C		A		X		C		
hydraulic fluid, oil-in-water-emulsion HFA	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		C		
hydrobromic acid 50%	X		C	X	A	A	A	A	A	A	A	B	B

Sostanza/ Substance	ESTER TPU		ETHER TPU		SOFT-PVC		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	60°C	23°C
	hydrochloric acid 10%	X		B	C	A	B	A	B	A	A	B	C
hydrochloric acid 3%	C	X	A	B	A	A	A	A	A	A	A	B	B
hydrochloric acid 40%	X		X		B	C	B	C	B	C	X		A
hydrofluoric acid 10%	C	X	B	X	A	A	A		A	A	B	C	
hydrofluoric acid 40%	X		C	X	A	B	B		A	A	B	C	
hydrofluoric acid 70%	X		X		C	X	C		A	A	X		A
hydrogen	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	A		A
hydrogen peroxide 30%	B	X	B	X	B	C	B	C	B	C	A	B	X
hydrogen sulfide, dry or wet	B	X	B	X	X		A		A	A	B	C	
hydrogen sulfites	X		C	X	A		B		A		C		
hydroquinon, aqueous	X		X		A	C	C		A		C		
hdrosilikofluoric 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		
iron sulfates, aqueous	B	C	A	B	A		A		A		A		
iron(III)-chloride, aqueous 10%	B	C	A	B	A		A	B	A	A	A		
isobutylalcohol	X		X		A		A		A		A		
isooctane	A	B	A	C	X		X		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		
isopropylacetate	C	X	B	X	C	X	A		X		X		
isopropylbenzene (cumene)	X		C	X	X		X		X		X		
isopropylchloride	X		X				X		X		X		
isopropylether	C	X	B	X	C		X		B	C	X		
ketones, generally (see exact media)	X		X		X		B	C	X		B	C	X
lactic acid, aqueous 3%	B	C	A	B	A	B	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	B	B	
lanolin (wool fat)	A	A	A	A	B	X	X		C		C		
laughing gas	A		A		A		A		A		A		
lavender oil	B		X				X		X		X		
lead acetates, aqueous	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		B		
lead sulfate	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		X
liquide manure	X		A		A				A		A		
lithium bromide	A		A				A		A		B		
lithium chloride	A		A		A		A		A		A		
magnesium chloride, aqueous 10%	A	X	A	C	A	B	A	A	A	A	A		A
magnesium hydroxide, aqueous	A		A		A		A		A		A	A	
magnesium silikates (talco)	A		A		A		A		A		A		
magnesium sulfate, aqueous	A	B		B	A	A	A	A	A	A	A	C	
magnesium sulfites, aqueous	C		A		A		A		A		A		
maize germ oil	B	C	B	C	B	C			A		B		
maleic acid, aqueous	C	X	B	C	A	C	A	B	A	A	B	C	
malic acid, aqueous (apple juice)	X		C	X	A		A		A		A		
margarine	A	A	A	A	A	B	X		B	C	C	X	
marsh	A		A		A		A		A		A		
menthol	C	X	C	X			A	B	A	A	X		
mercury	A	A	A	A	A	A	A	A	A	A	A		
mercury nitrates	B	X	B	C	A						A		

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

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

Sostanza/ Substance	ESTER TPU		ETHER TPU		SOFT-PVC		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	60°C	23°C
radiation, ultraviolet	B	B	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		A		
salicylic acid	B		A		A	C	A		A		A		
sebacic esters	X		X		X		B		X				
silver salts, generally (see exact media)	C	X	C	X	A	C	A	B	A	A	B	C	
silicic acids, aqueous	X		C	X	A	B	A	A	A	A	B	C	
silicium dioxide - silicic acids													
silicon oil/ - fat	A	B	A	B	X		A		B	C	B	B	
silver nitrate, aqueous	X		X		A	C	A	B	A	A	B	C	
sodium acetate, aqueous	C	X	B	X	A		A		A		B	B	
sodium benzoate, aqueous	A		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	A	
sodium chlorate, aqueous	C	X	B	X	A	A	A	C	A	A	B	B	
sodium chloride, aqueous (table-salt)	B	C	B	C	A	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	A	
sodium dichromate	C	X	C	X	X		A		A		B		
sodium fluorides, generally	C	X	C	X	A		A		A		B	B	
sodium hydrogencarbonate, 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	C	
sodium hydroxide (caustic soda), aqueous 50%	X		X		X		C	X	A	A	C	X	
sodium hypochlorite, aqueous 10%	C	X	B	C	A		C	X	A	B	C	X	
sodium metaphosphates	A		A		A		A		B		A		
sodium nitrate, aqueous 10%	B	C	B	C	A	B	A	A	A	A	B	B	
sodium nitrite	C	X	B	X	A	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	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	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		B	X	B	C	B		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		
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	A	
sugar, dry	A	B	A	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	X	
sulfuric acid, 25%	X		C	X	B	C	A	B	A	B	C	X	
sulfuric acid, 3%	C	X	A	B	A	A	A	A	A	A	A	C	
sulfuric acid, 50%	X		X		C	X	B	C	B	C	X	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	A	

Sostanza/ Substance	ESTER TPU		ETHER TPU		SOFT-PVC		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	60°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	X		
tetrahydrofuran	X		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	B		
tincture of iodine	X		X		B				B		X		
toluene	X		X		X		X		X		X	X	
town gas, free of benzene	A		A		A		C	X	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	X		
trichloroethylene	X		X		X		X		X		X		
trichloromethanes (see chloromethanes)													
tricesyl 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	X	
urine	A		A		A		A		A		A		
varnish	C		B		X		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	X	
waste water	X				A				A		A		
water	A	C	A	A	A	A	A	A	A	A	A	A	
water, mineral water - water	B	C	A		A	A	A	A	A	A	A	A	
water, sea water/salt water - eau	A	C	A	A	A	A	A	A	A	A	A	A	
water-glass, aqueous	X		C	X	A	B	A	A	A	A	B	C	
weathering, generally	B	B	B	B	B	C	B	B	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		
xylenes	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	A		
zinc sulfate, aqueous	B	C	B	C	A	A	A	A	A	A	A		

#### LEGENDA

<b>A</b>	Eccellente / Excellent
<b>B</b>	Buono / Good
<b>C</b>	Idoneo / Suitable
<b>X</b>	Non utilizzare / Do not use
<b>-</b>	Dati non disponibili / No data