



Beständigkeitstabelle

Chemical resistance chart

LEGEND / LEGENDA	
A	Ausgezeichnet / Excellent
B	Gut / Good
C	Passend / Suitable
X	Nicht beständig / Do not use

Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hypalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
acetaldehyde, aqueous	B	X	B	X	B	X	A	B	B	X	-	-	-
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	-	-
acetone	X	-	X	-	X	-	B	C	-	-	X	-	X
acetylacetone	X	-	X	-	X	-	-	-	-	-	X	-	-
acetylene	A	A	A	A	B	C	A	-	A	B	A	-	-
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	-	B
aluminium fluoride	C	X	C	X	A	-	A	-	A	-	A	C	-
aluminium hydroxide	C	X	B	X	A	-	-	-	A	-	A	-	-
aluminium nitrate	C	-	B	-	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% (salmaic)	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	-	-	-	-
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	-	-
amyl alcohols - pentanols	-	-	-	-	-	-	-	-	-	-	-	-	X
amyl chlorides	X	-	X	-	X	-	-	-	X	-	X	-	X
aniline	X	-	X	-	X	-	-	-	B	C	C	-	-
aniline hydrochloride	X	-	X	-	B	X	-	-	X	-	X	-	-
anole - cyclohexanol (see cyclohexanol)	-	-	-	-	-	-	-	-	-	-	-	-	-
anone - cyclohexanone (see cyclohexanone)	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-

Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hypalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
antimony-III-chlorides, aqueous	C	X	B	X	A	A	A	A	A	A	B	X	-
aqua fortis (see nitric acid)	-	-	-	-	-	-	-	-	-	-	-	-	-
aqua regia (nitrohydrochloric acid)	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	-	A	-	-	-	A	-	C	-	-
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	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	-	-
benzaldehyde	X	-	X	-	X	-	A	-	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	-	-	-	-	-	A	-	A	-	-
benzylchloride	X	-	X	-	A	-	X	-	X	-	B	X	X
bismuth carbonates	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	-	-	-	B	C	-
borax, aqueous	B	C	A	A	A	-	A	-	-	-	A	-	-
boric acid, aqueous	B	C	A	B	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	-	A	-	-
brake fluid, out of glycol ethers	X	-	X	-	-	-	-	-	-	-	-	-	-
bromine	X	-	X	-	X	-	X	-	C	X	X	-	B
bromine water	X	-	X	-	X	-	-	-	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	-	-	-	A	-	C	-	X
butene, aqueous	A	-	A	-	B	-	X	-	A	-	C	-	-
butter	B	-	A	-	B	-	X	-	-	-	C	-	-
butter milk	B	-	A	-	B	-	A	-	B	-	A	-	-
butyl acetates	X	-	X	-	X	-	-	-	X	-	X	-	X
butyl benzoate	A	-	A	-	-	-	-	-	X	-	X	-	-
butyl carbitol	X	-	X	-	-	-	-	-	B	-	B	-	-
butyl oleate	X	-	X	-	-	-	-	-	X	-	A	-	-
butyl phenol	X	-	X	-	C	X	-	-	X	-	X	-	-
butyl stearate	A	-	A	-	A	-	-	-	B	-	X	-	-
butylalcohol	B	C	B	C	B	C	-	-	A	A	B	-	-
butylamine	B	-	B	-	X	-	-	-	-	-	B	-	-
butylether	X	-	C	-	A	-	-	-	-	-	C	-	-
butylglycol, aqueous	A	-	A	-	C	-	A	B	A	A	B	-	-
butylglycol, aqueous	X	-	X	-	B	-	X	-	X	-	B	-	-
butynediol	A	-	A	-	-	-	-	-	B	-	-	-	-



Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hyalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
	butyraldehyde	X	-	X	-	-	-	-	-	C	-	C	X
butyric acid	C	X	B	C	A	C	-	-	C	-	C	-	B
calcium acetate	B	-	B	-	A	A	-	-	B	-	C	X	-
calcium bisulfate, aqueous	C	X	B	C	A	-	A	-	A	-	A	-	X
calcium bisulphite, aqueous	C	-	C	-	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	-	-
calcium hydroxide, aqueous	A	C	A	B	A	A	A	-	A	-	B	-	-
calcium hypochlorite	X	-	X	-	A	A	-	-	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	-	-
calcium sulfide	A	-	A	-	A	-	-	-	A	-	A	-	-
camphor	X	-	X	-	-	-	-	-	C	X	-	-	-
carbitol	X	-	X	-	C	-	-	-	B	-	B	-	-
carbon dioxide, dry	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	-	-
carbon disulfite	X	-	X	-	X	-	X	-	X	-	X	-	-
carbon oxide (carbon monoxide)	A	A	A	A	A	A	A	A	A	A	A	-	-
caro's acid	-	-	-	-	A	-	-	-	B	-	A	-	-
castor oil	A	-	A	-	B	C	B	-	A	-	A	-	-
caustic potash (see potash lye)	-	-	-	-	-	-	-	-	-	-	-	-	-
celluloseacetate	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
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
chloroform (trichloromethanes) (see chloromethanes)	-	-	-	-	-	-	-	-	-	-	-	-	X
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	-	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	-	-
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	-	-	-	A	A	-
copper acetates, aqueous	B	-	B	-	A	-	A	-	-	-	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	-	-	-	-	-	-	-	-	-	-
copper nitrate, aqueous	C	X	C	X	C	-	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	-	-	-	C	-	A	-	-
creosols	X	-	X	-	X	-	C	X	C	-	A	-	X
crotonaldehyde (butenal)	C	X	B	C	X	-	-	-	A	-	A	-	-
cyclohexane	A	B	A	B	X	-	B	X	X	-	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	-	-
DEKALIN	X	-	X	-	A	-	-	-	X	-	A	-	-
detergents, generally (see exact media)	B	C	A	B	A	C	A	A	A	-	A	-	-

Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hyalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
	developing dyes, generally (see exact media)	B	-	B	-	A	-	A	-	A	-	A	-
dextrin, aqueous	-	-	-	-	A	-	A	-	A	-	A	-	-
diacetone alcohol	B	X	B	X	X	-	-	-	C	-	X	-	B
dibenzylether	X	-	X	-	X	-	-	-	X	-	A	-	-
dibutyl ether	X	-	X	-	B	X	C	X	-	-	X	-	-
dibutylamine	X	-	X	-	-	-	-	-	X	-	X	-	-
dichloroacetic acid	X	-	X	-	-	-	B	C	X	-	C	X	-
dichlorobenzenes	X	-	X	-	X	-	C	X	-	-	B	-	-
dichloroethanes	X	-	X	-	X	-	C	X	-	-	B	-	-
dichloroethylenes	X	-	X	-	X	-	X	-	X	-	B	-	-
diethyl ether	A	-	A	-	X	-	C	-	C	-	X	-	-
diethylamine	X	-	X	-	X	-	-	-	X	-	X	-	-
diethylbenzene	X	-	X	-	A	-	-	-	X	-	X	-	-
diethylene glycol	C	-	C	-	B	-	A	A	A	-	A	-	-
diglycolic acid, aqueous	A	-	A	-	A	C	A	A	-	-	A	-	-
dimethyl ether	C	-	C	-	X	-	-	-	X	-	X	-	-
dimethylamine	X	-	X	-	X	-	C	X	X	-	X	-	-
dimethylanilin (xylylides)	B	-	B	-	X	-	-	-	X	-	B	-	-
dimethylformamide	X	-	X	-	X	-	C	X	-	-	X	-	X
dimethylheptanon	X	-	X	-	X	-	C	X	-	-	X	-	-
dioxane	X	-	X	-	X	-	B	C	X	-	X	-	-
diphenyl	X	-	X	-	X	-	-	-	X	-	A	-	-
diphenyl chloride	X	-	X	-	X	-	-	-	X	-	A	-	-
diphenyl ether	X	-	X	-	X	-	B	C	X	-	B	-	-
dipropylene glycol	-	-	-	-	-	-	-	-	-	-	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	-	B
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	-	A
ethanol, 10% (ethyl alcohol, spirit)	B	C	A	B	A	A	-	-	A	A	A	-	A
ethyl chloride	X	-	X	-	X	-	C	X	C	-	A	-	B
ethylbenzene	X	-	X	-	X	-	X	-	X	-	X	-	-
ethylbromide	B	-	B	-	X	-	-	-	X	-	B	-	X
ethylene	A	-	A	-	A	-	-	-	X	-	B	-	-
ethylene chloride dichloroethanes	-	-	-	-	-	-	-	-	X	-	B	-	B
ethylene chlorohydrin	X	-	X	-	X	-	B	-	B	-	X	-	B
ethylene glycol (glycol)	B	X	A	C	B	-	A	A	A	A	A	A	B
ethylene oxide, gaseous	A	-	A	-	A	-	A	-	A	-	A	-	B
fatty acids with 1-7 C-atoms, generally	C	X	B	C	A	-	-	-	C	-	C	-	B
fatty acids with >7 C-atoms, generally	B	C	A	B	A	-	-	-	C	-	C	-	B
fatty alcohols, generally (see exact media)	C	-	B	-	B	-	C	-	B	-	B	-	-
fermentation gas (marsh gas)	A	-	A	-	A	-	A	A	A	A	A	-	-
fertilizing salt, aqueous	X	-	C	X	A	A	A	A	A	A	A	-	-
fish liver oil	A	-	A	-	X	-	A	-	B	-	B	-	-
fish needle oil	B	-	B	-	X	-	-	-	X	-	C	-	-
fluorbenzene	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	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	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	-</			



Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hyalpon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
furan	X	-	X	-	A	-	-	-	X	-	-	-	-
furfural	X	-	X	-	X	-	X	-	C	-	C	-	-
gallic acid	X	-	C	X	A	-	-	-	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	-	X	-	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	-	-
glue (e.g. for wood)	B	-	B	-	A	-	A	-	A	-	A	-	-
glycerol	A	A	A	A	A	C	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	-
heptane	A	A	A	A	X	-	A	-	B	C	X	-	-
hexanal	X	-	X	-	-	-	-	-	X	-	X	-	-
hexane	A	B	A	B	X	-	X	-	B	-	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	-	-	-	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	-	-	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
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	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	B	C	A
hydrofluoric acid 40%	X	-	C	X	A	B	-	-	A	A	B	C	-
hydrofluoric acid 70%	X	-	X	-	C	X	-	-	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	A	B	A	A	A	B	A	A	A	-	A
hydrogen peroxide, 30%	B	X	B	X	B	C	B	C	-	-	-	-	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	-	-
hydroquinone, aqueous	X	-	X	-	A	C	-	-	A	-	C	-	-
hydroxikloflouric 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	B	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	-	C	-	-
isophorone	C	-	C	-	X	-	-	-	X	-	X	-	-

Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hyalpon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
isopropanol (isopropyl alcohol)	B	X	A	X	C	X	-	-	X	-	X	-	-
isopropylacetate	C	X	B	X	C	X	-	-	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	-	-
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	-	-
lead acetates, aqueous	A	A	A	A	A	A	A	-	A	A	A	-	B
lead arsenate, aqueous	c	-	a	-	a	-	-	-	-	-	a	-	-
lead nitrate, aqueous	b	-	a	-	a	-	a	-	a	-	b	-	-
lead sulfate	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	-	-
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	-	-
magnesium silikates (talc)	A	-	A	-	A	-	-	-	A	-	A	-	-
magnesium sulfate, aqueous	A	B	A	B	A	A	A	A	A	A	A	C	-
magnesium sulfites, aqueous	C	-	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	A	-
mercury nitrates	B	X	B	C	A	-	-	-	-	-	A	-	-
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	-	-	-	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)	-	-	-	-	-	-	-	-	-	-	-	-	-
methyl chloroform trichloroethanes	-	-	-	-	-	-	-	-	-	-	-	-	-
methyl ethyl ketone (MEK)	X	-	X	-	X	-	C	X	C	X	X	-	-
methyl glycol - ethylene glycol	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-
mustard (fruit wine)	A	-	A	-	A	-	A	B	A	B	X	-	-
mustard	A	-	A	-	A	-	-	-	A	-	-	-	-
myristyl alcohol (tetradecanol)	A	-	A	-	A	-	-	-	A	-	B	-	-
naphtha	B	-	B	-	X	-	C	X	X	-	X	-	-
naphthalene	C	X	C	X	X	-	X	-	C	X	X	-	-



Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hyalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
	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	-	C	B	C	C	-	-
nickel acetate	X	-	X	-	-	-	-	-	X	-	C	-	-
nickel chloride	B	X	A	C	A	-	A	-	X	-	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	-	-
nitric acid, 25%	X	-	X	-	C	X	B	C	B	C	C	-	-
nitric acid, 50%	X	-	X	-	X	-	C	X	B	X	X	-	-
nitritetriethanol	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	-	-	-	-
nitroglycerin	X	-	X	-	A	C	-	-	A	-	X	-	-
nitromethane	X	-	X	-	B	-	C	-	C	X	X	-	-
nitropropanes	X	-	X	-	-	-	C	-	C	X	X	-	-
nitrotoluenes	X	-	X	-	X	-	X	-	X	-	-	-	-
nonyl alcohol nonanol)	X	-	X	-	-	-	-	-	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	-	-	C	-	C	-	A
oleic acid	X	-	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	-	-	-	C	-	B	-	B
palmitic acid	A	-	A	-	C	-	C	X	C	X	B	-	B
para formaldehyde	B	-	A	-	-	-	-	-	-	A	-	-	-
paraffin (paraffin oil)	A	-	A	-	B	X	X	-	C	X	B	-	-
pectins	A	-	A	-	A	A	A	-	A	-	A	-	-
pentachlorophenol	X	-	X	-	-	-	-	-	-	-	C	-	-
pentanes	A	-	A	-	A	-	-	-	X	-	X	-	-
pentanols (amyl alcohols)	X	-	X	-	X	-	-	-	X	-	X	-	-
pentyl acetates	X	-	X	-	X	-	C	X	X	-	X	-	-
perchloric acid, aqueous	X	-	X	-	B	C	B	X	A	A	X	-	-
petroleum	C	-	X	-	X	-	X	-	C	X	C	X	-
petroleum ether	C	-	X	-	X	-	X	-	X	-	X	X	-
phenol	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	-	-
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	-	-
potassium bromate 10%	X	-	X	-	A	-	A	A	A	A	B	C	-

Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hyalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
	potassium bromide, aqueous	C	X	B	X	A	-	A	A	A	A	A	-
potassium chromate, aqueous (potash)	C	X	C	X	A	-	A	-	A	-	A	-	-
potassium chlorate, aqueous	C	X	A	C	A	A	A	A	A	A	A	B	C
potassium chloride, aqueous	B	X	A	C	A	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	-	-
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)	-	-	-	-	-	-	A	-	-	-	-	-	-
potassium hypochlorite	X	-	X	-	A	-	-	-	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	-	X	-	-
potassium sulfate, aqueous	A	C	A	B	A	A	A	A	A	A	B	-	-
potassium sulfite	A	-	A	-	A	-	-	-	A	-	A	-	-
propane, wet or gaseous	A	-	A	-	X	-	X	-	X	-	C	X	-
propargyl alcohol, aqueous 7%	X	-	X	-	-	-	B	C	B	C	B	C	-
propene (propylene)	X	-	X	-	-	-	X	-	X	-	X	-	-
propionic acid (propene acid)	X	-	X	-	A	-	C	X	C	X	X	-	-
propyl acetates	X	-	X	-	-	-	-	-	X	-	X	-	-
propylamines	X	-	X	-	-	-	-	-	X	-	X	-	-
propylene	X	-	X	-	B	-	-	-	X	-	-	-	-
propylene glycols (propanediols)	X	-	X	-	X	-	A	A	A	A	A	-	-
propylene oxide	X	-	X	-	-	-	A	-	X	-	X	-	-
pyridine	X	-	X	-	X	-	C	X	-	-	X	-	-
pyrrole	X	-	X	-	-	-	-	-	X	-	X	-	-
radiation, radioactive 108 Rad	B	B	B	B	B	C	C	-	A	-	X	X	-
radiation, ultraviolet	B	B	B	B	B	B	B	B	A	A	B	B	-
rapeseed oil	A	X	-	-	-	-	-	-	-	-	-	-	-
raw sugar juice	X	-	C	-	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	A	B	C
silicon dioxide - silicic acids	-	-	-	-	-	-	-	-	-	-	-	-	-
silicon oil/ - fat	A	B	A	B	X	-	-	-	B	C	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	-	-
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	-	-
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	-	-
sodium dichromate	C	X	C	X	X	-	-	-	A	-	B	-	-
sodium fluorides, generally	C	X	C	X	A	-	-	-	A	-	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	B	-
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	-	-	-	B	-	A	-	-
sodium nitrate, aqueous 10%	B	C	B	C	A	B	A	A	A	A	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	-	-



Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hypalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
	sodium silicate, aqueous	X	-	C	-	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	-	B	X	B	C	B	-	A	-	-
spirits	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	-	-
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	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-
tannins (tanning acid)	C	B	B	C	A	-	A	-	A	A	A	-	-
tar (tar oil)	X	-	X	-	C	X	-	-	X	-	C	-	-
tartaric acid, aqueous	B	C	A	B	A	-	A	A	A	A	A	-	-
tea tree oil	B	-	B	-	-	-	-	-	B	-	C	-	-
tee, aqueous	-	-	-	-	A	A	-	-	-	-	-	-	-
tetrachlorocarbonates - chloro-methanes	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrachloroethane	X	-	X	-	X	-	X	-	X	-	X	-	-
tetrachloroethylene (perchloroethylene)	X	-	X	-	X	-	X	-	C	X	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-ll-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	-	-
town gas, free of benzene	A	-	A	-	A	-	C	X	C	X	C	X	-
transformer oil (see oil)	-	-	-	-	-	-	-	-	-	-	-	-	-
tributyl phosphate	X	-	X	-	X	-	-	-	X	-	X	-	-
trichlorethanes (methyl chloroform)	X	-	X	-	C	-	-	-	X	-	X	-	-
trichloroacetic acid	X	-	X	-	B	-	C	-	C	X	X	-	-
trichloroethylene	X	-	X	-	X	-	X	-	X	-	X	-	-
trichloromethanes (see chloromethanes)	-	-	-	-	-	-	-	-	-	-	-	-	-
tricresyl phosphate	X	-	X	-	X	-	B	-	X	-	X	-	-
triethylenamine	B	-	B	-	B	-	-	-	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	-	-
varnish	C	-	B	-	X	-	-	-	X	-	X	-	-
vaseline	A	-	A	-	B	X	-	-	X	-	B	-	-
vinegar	X	-	C	-	B	-	-	-	C	-	A	-	-
vinyl acetate	X	-	X	-	X	-	-	-	C	-	X	-	-
vinyl chloride	x	-	x	-	x	-	b	c	x	-	x	-	-
waste water	x	-	-	-	a	-	-	-	A	-	B	-	-
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	-	-

Media	Ester-PUR		Ether-PUR		Soft-PVC		TPV		Hypalon		Silicon		TPE
	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	60 °C	23 °C	80 °C	23 °C	80 °C	23 °C
	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	-	-

LEGEND / LEGENDA

A	Ausgezeichnet / Excellent
B	Gut / Good
C	Passend / Suitable
X	Nicht beständig / Do not use

Lagerung und Wartung

Recommendations of storage and maintenance

Kunststoffen unterliegen Veränderungen ihrer mechanischen und physikalischen Eigenschaften und können beeinflusst durch Temperatur, Luftfeuchtigkeit und andere Faktoren. Im folgenden werden allgemeine Anweisungen zur richtigen Lagerung von Schläuchen und Verstärkungen beschreiben. Eine unsachgemäße Lagerung kann die Lebensdauer von Schlauchprodukten erheblich reduzieren.

Lagerungsdauer

Die Lagerung sollte auf das Mindeste reduziert werden und, wenn möglich, durch eine regelmäßige geplante Rotation der Produkte. Sofern unmöglich, eine Inspektion des Schlauches ist in regelmäßigen Zeitabständen durchzuführen, um zu überprüfen, ob der Schlauch für den weiteren Einsatz noch geeignet ist. Die empfohlene max. Zeit ist für die Schläuche spätestens innerhalb von zwei Jahren nach der Herstellung (innerhalb eines Jahres für Schlauch mit Armatur).

Temperatur und Feuchtigkeit

Die ideale Temperatur für die Lagerung von Kunststoff-Schläuchen liegt zwischen +10°C und +25°C. Die Schläuche sollten nicht über 40°C und unter 0°C gelagert. Sollte die Temperatur unter -15°C liegen, sollten besondere Vorsichtsmaßnahmen beim Handling von Schläuchen angewandt werden. Das Lagern in der Nähe von Wärmequellen oder in feuchten Lagerräumen soll vermieden werden. Am günstigsten ist eine relative Luftfeuchte unter +65%.

Beleuchtung

Die Schläuche sollen vor Licht geschützt werden, insbesondere von direkter Sonnenbestrahlung und vor starkem künstlichem Licht mit einem hohen ultravioletten Anteil. Die Fenster der Lagerräume sind aus diesem Grunde mit einem Schutzanstrich zu versehen.

Berührungen mit anderen Materialien

Die Schläuche sollten niemals weder mit chemischen Substanzen, flüssigen Treibstoffen, Säuren, Fette, Lösungsmittel usw. in Berührung kommen.

Lagerungsbedingungen und Reinigung

Die Schläuche sollten unter ordnungsgemäßen Bedingungen eingelagert werden, um Spannungen, Verformungen, Komprimierungen zu vermeiden. Sie dürfen nicht derart gestapelt oder übereinandergelegt werden, dass das Gewicht des Stapels eine Verformung der unterliegenden Schläuche bewirkt. Sofern möglich, lagern sie die Schlauchprodukte, die als Rollen verschickt werden, horizontal. Der Innendurchmesser des Gebindes sollte niemals das Doppelte des vom Hersteller angegebenen Biegeradius in Übereinstimmung mit den technischen Daten unterschreiten. Es ist empfehlenswert, die Schläuche auf spezialgestellten oder auf trockenen Ablageflächen einzulagern. Das Lagern der Schläuche auf Stäben oder Haken soll vermieden werden und ausserdem müssen die Produkte gegen Nager und Ungeziefer geschützt werden.

Plastic Materials are subjected during their service life to changes which could affect their physical properties. Even the reinforcement materials, both textile and steel ones, could be affected by different factors, not least an inadequate storage. The following recommendations contain some guidelines to minimize or prevent the deterioration of the stored products.

Storage duration: storage times should be reduced to a minimum through a scheduled rotation system.

Where a long storage time cannot be avoided, it should be suggested a thorough inspection of the hose before its actual use. The entry into the service of unconnected hoses (see the date stated on the hose marking) should take place within two years whereas a year should be advisable for assemblies.

Temperature and humidity: the ideal temperature for an appropriate storage ranges from 10°C and 25°C. Hoses should not be exposed at temperatures exceeding 40°C or under 0°C. In case of temperatures inferior to -15°C we recommend to take some precautions when handling the hoses: they should not be stored neither near heat sources nor in the presence of high or low humidity levels (they should not exceed 65%).

Light exposure: we recommend to store the hoses in rather unlit spaces, especially avoiding direct sunlight or intense illumination sources.

In presence of windows, a solar shielding is recommended.

Contact with other materials: hoses must not come into contact with solvents, fuels, oils, grease, volatile chemical substances, acids, disinfectants and organic liquids in general.

Storage and cleaning conditions: Hoses must be stored without stress, elongations, compressions, extreme deformations and avoiding any contact with sharp or cutting objects. A proper storage on adequate shelves or on a dry floor /ground is recommended. Packaged rolled hoses must be stored horizontally, not piled up. If it is not possible, the height of the pile should be appropriate, to avoid permanent deformations of the hoses placed on the lowest bottom. During storage operations, the internal diameter of the coil must be adequate, in order to keep the mechanical properties of the hose and it must not be inferior to the rate stated by the manufacturer. It's a good rule anywhere, not to hang the hoses on hooks and to store horizontally those hoses which are delivered straight, to avoid any bending. In case of assemblies, it is recommended to place the hoses carefully. The hoses must be protected from rodents.

In addition to a correct storage and handling, a regular cleaning is equally important, to avoid any pollution of the transported media, which may damage the devices connected to the hose. It is recommended to close carefully both edges of the hose, to prevent the possible entry of foreign bodies.



Wenn vom Hersteller keine Reinigungsanweisungen gegeben wurden, sollten die Schläuche mit Wasser oder entsprechenden Seifen gereinigt werden. Deshalb vermeiden Sie den Gebrauch von Lösungsmitteln und abrasive, spitze oder scharfkantige Werkzeuge.

Handling

Es ist empfehlenswert die Schläuche vorsichtig zu verlagern und Schläge, Komprimierungen, Schleifen auf rauen Flächen zu vermeiden. Die schweren Schläuche, die normalerweise in geraden Stücken geliefert werden, sollten des Transportes halber auf Spezialträger gelegt werden.

You should use specific cleaning solutions and we recommend not to use neither solvents (petroleum or paraffin, etc.) nor abrasive, sharp or cutting tools (wire brushes, sandpaper, etc.). For further details contact our offices.

Handling: *Hoses must be moved carefully, avoiding collisions, dragging on abrasive surfaces and compressions. If bent or coiled, they must be pulled gently. Heavy-weight hoses, which are usually delivered straight, must be transported on special supports.*

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Dal 1975

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