Chemical resistance list DULCO flex tubes

Legend:

The data is taken from relevant manufacturer´s documentation and our own tests. Resistance of materials is also dependant on other factors, e.g. operating conditions and so this list must be treated as an initial guide only. It cannot claim to offer any guarantees. It should be taken into consideration in particular that usual dosing media are compounds and their corrosiveness cannot be deducted simply by adding the corrosiveness of each single component.

+	resistant
+/o	largely resistant
o	conditionally resistant
-	not resistant
	no information
	All concentrations given in weight %

	Boyser and DFYa					*DFXa*		
Medium	NR (Natural rubber)	NBR (Buna-N), NBR-A	EPDM	Hypalon®	Norprene® A-60-F	TPV Santoprene	PUR Polyurethan/Versilon	SEBS (Tygon)
Acetal	-	-	-	-				
Acetaldehyde						+	-	
Acetamide, 67% in H2O						+	-	

Acetate Solvents						-	-	
Acetic Acid 10%	+	-	+	+	+	+	o	+
Acetic Acid 20%	o	-	+	+		+	-	+
Acetic Acid 30%	o	-	+	+		+	-	+
Acetic Acid 50%	o	-	+	+	o	+	-	+
Acetic Acid 99%	-	-	+	o		o	-	+
Acetic Acid Anhydride	-	-	o	-	+	+/o	-	+/o
Acetic Acid (Ice-Cold)	o	-	o	o				
Acetophenone	-	-	-	-		+/o	-	
Acetone	+	-	+	-	-	o	-	o
Acetonitrile	-	-	-	-		-	-	-
Acetyl Bromide							-	
Acetyl Chloride						+/o	-	
Acryl Aryl Sulphonate Slurry	+	-	+	o				
Acrylate (Polymer)			+					
Acrylate (Monomer)	-	-	-	-				
Acrylic Acid (323 K)	-	-	-	-				
Acrylic Monomer	-	-	-	-				
Acrylonitrile	-	-	-	-		+	-	
Alcohol	+	+	+	+	+	+	-	+/o
Aliphatic Hydrocarbons						-	+/o	
Alkylaryl Benzene Sulphonate	-	+	+	-				
Allylalcohol	+	o	+	o	-	-	-	o
Allylchloride	-	-	-	-		+	-	
Alum	+	+	+	+	+			
Alum, 5 % in H2O							+	
Aluminium Chloride	+	+	+	+	+	+	+	+
Aluminum Hydroxide, 2% in H2O							+	
Aluminium Fluoride	+	+	+	+		+	-	
Aluminium Hydroxide	+	+	+	+	+	+	o	-
Aluminum Hydroxide, 2% in H2O						+	o	-
Aluminium Silicate	+	+	+	+		+	+	

Aluminium Sulphate	+	+	+	+	+	+	-	+
Aluminum Sulfate, 50 % in H2O						+	+	+
Amines						+	-	
Ammonia Anhydric	+	o	+	+	o	o	o	
Ammonia Liquor	+	+	+	+		+	-	
Ammonium Bicarbonate	+	+	+	+		+/o	-	+
Ammonium Bisulphate 50 %	+	-	+	+		+		+
Ammonium Bromide	o	-	+	+		+	+	
Ammonium Carbonate	+	+	+	+	+	+	o	+
Ammonium Carbonate, 50 % in H2O						+	o	+
Ammonium Chloride	+	+	+	+		+	+	+
Ammonium Formate	+	+	+	+		+	-	
Ammonium Hydroxide	+	+	+	+	+	+	-	-
Ammonium Hydroxide, 5-10 % in H2O							+	
Ammonium Hydroxide, 30 % in H2O							+	
Ammonium Metaphosphate	+	+	+	+		+	-	
Ammonium Nitrate	+	+	+	+		+	-	+
Ammonium Nitrite	+	+	+	+		+	-	
Ammonium Persulphate	o	o	+	+	+	+	-	
Ammonium Persulfate, 30 % in H2O							+	
Ammonium Phosphate	+	+	+	+		+	+/o	+
Ammonium Propionate	+	-	+	o		+	-	
Ammonium Sulphate	+	+	+	+	+	+	+	+
Ammonium Sulfate, 30 % in H2O						+	+	+
Ammonium Thiocyanate	+	+	+	+		+	o	
Amyl Acetate	o	o	o	-	o	o	-	o
Amyl Alcohol	+	o	+	o	-	-	o	-
Amyl Amine	-	-	-	-		o		
Amyl Borate	o	-	o	-		+/o	-	
Amyl Chloride	-	-	-	-	-	-	-	o
Amyl Chloronaphthalene	-	-	-	-		-	-	
Amyl Ether	-	-	-	-		o		

Amyl Iodine	-	-	-	-		o			
Amyl Naphtalene	-	-	-	-		-	-		
Amyl Phenol	-	-	-	-		-			
Amyl Bromide	o	-	o	-					
Amylene	-	-	-	-		o			
Aniline Paint	o	-	-	-			-		
Aniline (Oil)	-	-	-	-		-	-		
Animal Fat	-	o	-	o		+/o	+/o	+/o	
Animal Glue	+	+	+	+			+		
Anti-Freeze	+	+	+	+		+/o	-		
Antimonychloride 50%	o	-	+	+		+		+	
Antimony Salts						+/o	+		
Aqua Regia	-	-	o	o		-	+	+	
Arsenic Tri Oxide	+	+	+	+		+	-	+	
Arsenic Salts							+		
Arsenic Acid	-	-	o	+	-	+	-		
Ascorbic Acid	+	+	+	+		+	-		
Asphalt	-	o	-	-					
Astor Oil 1-2-3	-	-	-	-					
ASTM Reference No. 1 Oil						-	+		
ASTM Reference No. 2 Oil						-	+		
ASTM Reference No. 3 Oil						-	+		
Aviaton Gasoline	-	o	-	-		o			
Barium Carbonate	+	+	+	+	+	+	+/o	+	
Barium Carbonate, 1% in H2O							+		
Barium Chloride	+	+	+	+	+	+	+	+	
Barium Ferrite	+	+	+	+	+	+		+	
Barium Hydroxide	+	+	+	+	+	+	-	-	
Barium Hydroxide, 5 % in H2O						+	o	-	
Barium Sulphate	+	+	+	+	+	+	+	+	
Barium Sulphide	+	+	+	+	+	+	+	+	
Beer	+	+	+	+	+	+	+	+	

Beet Root Syrup	+	+	+	+		+			
Benzaldehyde	-	-	o	-		o	-	-	
Benzene Sulphonic Acid	-	-	-	-		+	-		
Benzene (Benzol)	-	-	-	-	-	-	-		
Benzoyl Chloride	-	-	-	-		o	-	o	
Benzyl Alcohol	-	-	-	-	+	+/o	-	+/o	
Benzyl Benzoate	-	-	-	-		o	-		
Bird Lime (Glue)	+	+	+	+					
Bi Calcium Phosphate	+		+	+					
Bismuth Carbonate	+	+	+	+		+			
Black Sulphate liquor	+	+	+	+		+/o	-		
Blast Furnace Gas	-	+	-	-		+	-		
Bleach Liquor, 22% in H2O							+/o		
Boric Acid	+	+	+	+	+	+	+		
Boric Acid, 4% in H2O							+		
Borax	+	+	+	+	+	+	+		
Bromine, Anhydrous Liquid	-	-	-	o		+/o	-	+	
Butane Fluid	-	o	-	-					
Butter	-	+	-	-		+/o	+		
Butyl Acetate	-	-	o	-	o	o	-	o	
Butyl Alcohol	o	o	-	-	-	-	o		
Butyl Aldehyde	-	-	-	-		o	-		
Butyl Cellosolve	-	-	-	+		+	-		
Butyl Cellosolve Adipate	-	-	-	-			-		
Butyl Ether	-	-	-	-		-	-		
Butyl Glycol	+	+	+	+		o	-		
Butyl Iodide	-	-	-	-		o			
Butyl Stearate	-	o	-	-		-	+/o		
Butyric Acid	o	o	-	-			-		
Butyronitrile	-	-	-	-					
Calcium Acetate	+	+	+	+		+	-	+	
Calcium Bisulphate	+	+	+	+		+	+	+	

Calcium Bisulphite	+	+	+	+		o	-	o
Calcium Carbonate	+	+	+	+	+	+	-	+
Calcium Carbonate, 25 % in dilute acids							+	
Calcium Chlorate	+	o	+	+		+	+/o	+
Calcium Chloride	+	+	+	+	+	+	+	+
Calcium Chloride, 30 % in H2O						+	+	+
Calcium Fluoride	+	+	+	+		+	+	+
Calcium Hydroxide	+	+	+	+	+	+	o	o
Calcium Hydroxide, 10 % in glycerol							-	
Calcium Hypochloride	-	-	+	+	+		-	
Calcium Hypochlorite, 20 % in H2O							+/o	
Calcium Hypochloride 30%	o	o	+	+	+	+	-	+
Calcium Nitrate	+	+	+	+	+	+	+	
Calcium Nitrate, 55 % in H2O						+	+	+
Calcium Sulphate	+	+	+	+	+	+	o	+
Calcium Sulfate, 1% in H2O							+	
Calcium Sulphide	+	+	+	+		+	+	o
Calcium Tetra Fluoride	-	-	o	+				
Calic Liquor	+	+	+	+				
Cane Sugar Liquor	+	+	+	+		+	-	
Carbide Lime	+	+	+	+				
Carbitol	-	-	-	-		+/o	-	
Carbolic Acid, Phenol	-	-	-	-		o	+	
Carbon Disulphide	-	+	-	-	-			
Carbonic Acid	+	+	+	+	+	+	-	
Carbon Tetrachloride						-	-	-
Carboxil Methyl Cellulose 12%	+	+	+	+				
Castor Oil	-	o	-	-	-	-	+	
Caustic Soda (Max. 50%)	+	o	+	+		o	-	
Caustic Soda (Max. 20%)	+	o	+	+		+	-	-
Cellosolve	-	-	-	-	-	o	+	
Cellosolve Acetate	-	-	-	-	-	-	-	

Cellulose Acetate		o	-	-			-		
China Wood Oil (Tung Oil)	-	-	-	-		+/o	-		
Chloric Acid	-	-	+	+			-		
Chloric Acid Sulphurous	-	-	o	+					
Chlorinated Solvents	-	-	-	-		o	-		
Chlorine Aceton Nitrile	-	-	-	-					
Chlorine Acetone	-	o	o	-					
Chloroacetic Acid, 20 % in H2O						-	-		
Chlorine Benzene	-	-	-	-					
Chlorobenzene, Mono, Di, Tri						-	-		
Chlorine Benzol	-	-	-	-					
Chlorine Bromine Methane	-	-	-	-					
Chlorine Naphtene	-	-	-	-					
Chlorine Sulphonic Acid	-	-		-					
Chlorine Toluene	-	-	-	-					
Chlorine Water 3%	-	-	+	+					
Chlorine (Solvent)	-	-		-					
Chlorine - Ethyl-Acetate	-	-	-	-					
Chlorine-Lye	-	-	+	+					
Chlorine-Methyl	-	-	-	-					
Chlorine-Nitro-Ethane	-	-	-	-					
Chloroform	-	-	-	-	-	-	-	-	
Chlorosulfonic Acid						-	-		
Chromic Acid, 10-20 % in H2O	-	-		+	+	+	-	+	
Chromic Acid 25%	-	-		+	+	+	-	+	
Chromic Acid, 50 % in H2O	-	-		+	-	+/o	-	+/o	
Chromium Sulphate	-	-	+			+	+	+	
Citric Acid	+	o	+	+	+	+	+	+	
Citric Acid, 10-20 % in H2O							+/o		
Citrus Pulp	+	o	+	+		+		+	
Coconut Oil	-	o	-	-	-	-	+		
Cod Liver Oil	-	o	-	-		-	+		

Compressor Oil	-	+	-	o					
Copper Oxi Choride	o	o	+	+					
Copper Arsenate	o	o	+	+					
Copper Chloride	+	+	+	+		+	+		
Copper Cyadine	o	+	+	+		+	+		
Copper Naftanate									
Copper Nitrate	+	o	+	+		+	+		
Copper Sulphate	+	o	+	+		+	+		
Corn Syrup							+		
Cottonseed Oil	-	o	-	-	-	-	+		
Creosote Oil	-	-	-	-					
Creosote Wood	-	-	-	-		-	o		
Creosote-Coal Tar	-	-	-	-		-	o		
Cresol 90%,Xylol 5%,Ddt 5%	-	-	-	-		o	-	o	
Cresol 90%,Xylol 5%	-	-	-	-					
Cresol (m, o or p)							-		
Cresylic Acid	-	-	-	-	o	o	-		
Crude Oil	-	o	-	o					
Cryolite 10%	o	o	o	+					
Cyadine	+	+	+	+			+		
Cyclohexane	-	o	-	-	-	-	o	o	
Cyclohexanol	o	-	-	-		-	+/o	o	
Cyclohexanone	o	-	-	-	-	-	-	o	
Cyclopentane	-	-	-	-		o	+	o	
Cymene	-	-	-	-		+/o	-		
DDT2 Kerosene	-	o	-	-		o			
Decalin	-	-	-	-		-	-		
Decane	-	-	-	-		-	o		
Deca-Hydro-Naphtene	-	-	-	-					
Detergent Solutions						+/o	+		
Diesel Oil	-	-	-	-	-	-	+/o		
Dioxane	-	-	-	-					

Diethylamine 2 % in H2O							-	-	
Diethylene Glycol						+	-		
Dimethylformamide						o	-	-	
Dimethylsulfoxide						+	-		
Dioctyl Phthalate						-	-		
Dioxane						o	-		
Divinyl Benzene	-	-	-	-		o	-		
Di-Acetone-Alcohol	-	-	-	-		o	-		
Di-Amyl- Ftalate	-	-	-	-					
Di-Amyl-Naphtene	-	-	-	-					
Di-Benzyl-Ether	-	-	-	-		-	o		
Di-Butyl-Acetate		-	-	-					
Di-Butyl-Amine	-	-	-	-		-	-		
Di-Butyl-Ether	-	-	-	-		+/o	+/o		
Di-Butyl-Phtalate	-	-	-	-		+/o	-		
Di-Butyl-Sebacate	-	-	-	-		+/o	-		
Di-Chlorine-Acid	-	-	-	-					
Di-Chlorine-Benzene	-	-	-	-					
Di-Chlorine-Butene	-	-	-	-					
Di-Chlorine-Di-Fluor-Methane	-	-	-	-					
Di-Chlorine-Propene	-	-	-	-					
Di-Chlorine-Tetra-Fluor-Ethane	-	-	-	-					
Di-Chloromethane	-	-	-	-		-	-		
Di-Chlorophoxy Acetic Acid	-	-	-	-					
Di-Cyclo-Hexyl-Amine	-	-	-	-		+/o	-		
Di-Dowtherm(A+E)	-	-	-	-					
Di-Ethyl-Amine		-	-	-	+	+	-		
Di-Ethyl-Carbonate	-	-	-	-		-	-		
Di-Ethyl-Ether	-	-	-	-		+/o	-		
Di-Ethyl-Fatty Acid		-	-	-					
Di-Ethyl-Phtalate	-	-	-	-		+	-		
Di-Ethyl-Glycol	+	+	+	+	+	+	-		

Di-Ethyl-Ketone	o	-	o	-		+			
Di-Ethyl-Oxalate	-	-	-	-					
Di-Ethyl-Sebacate	-	-	-	-		+/o	-		
Di-Isobutene	-		-	-					
Di-Isobutyl-Ketone	o	-	-	-		-	+/o		
Di-Isopropyl-Ether	-	-	-	-		-	o		
Di-Isopropyl-Ketone		-	-	-		-	-		
Di-Methyl-Amin	-	-	-	-		+/o	-		
Di-Methyl-Aniline	-	-	-	-		+/o	-		
Di-Methyl-Ether	-	-	-	-		o	+/o		
Di-Methyl-Formamide	+	o	+	-		+	-		
Di-Methyl-Fosphite	o	-	o	-					
Di-Methyl-Phtalate	-	-	-	-		+	-		
Di-Methyl-Sulphide	-	-	-	-			-		
Di-Octyl-Adipate	-	-	-	-					
Di-Octyl-Ftalate	-	-	-	-		-	-		
Di-Octyl-Sebacate	-	-	-	-		o	-		
Dodecyl Benzene	-	-	-	-			o		
Dodecyl Toluene	-	-	-	-					
Epi-Chloro-Hydrine	-	-	-	-		+/o	-		
Ethanolamine	-	-	-	-		+	-		
Ether	-	-	-	-	-	-	-		
Ethylene Bromide							-		
Ethylene Chlorohydrin							-		
Ethylene Dichloride							-		
Ethylene Glycol							+		
Ethylene oxide	-	-	-	-	+	+	+		
Ethyl Acetate	o	-	o	-	o	o	-		
Ethyl Alcohol	+	+	+	o	+	+	-	+	
Ethyl Amine		-	-	-		+	-		
Ethyl Amyl Ketone		-	-	-		o			
Ethyl Benzene	-	-	-	-		-	-		

Ethyl Benzoate	-	-	-	-		-	-		
Ethyl Bromide	-	-	-	-		-	-		
Ethyl Butyrate	-	-	-	-					
Ethyl Cellulose	+	o	+	o		+	o		
Ethyl Chloride	-	-	-	-	-	-	-	+/o	
Ethyl Chlorofomate	-	-	-	-		-	-		
Ethyl Cyano Acetate		-		-					
Ethyl Ether	-	-	-	-	-	o	-		
Ethyl Formate	-	-	o	-		+/o	-		
Ethyl Hexanol		-	-	-		+	-		
Ethyl Hexyl Diphenyl	-	-	-	-					
Ethyl Iodide	-	-	-	-		-	o		
Ethyl Isobutyl Ether	-	-	-	-		o			
Ethyl Isobutyrate	-	-	-	-		o			
Ethyl Mercaptan	-	-	-	-		o	-		
Ethyl Methyl Ketone	o	-	o	-		o	+		
Ethyl Oxalate		-	-	-		+/o	+		
Ethyl Penta Chloor Benzene	-	-	-	-		-	-		
Ethyl Propinate	-	-	-	-		-			
Ethyl Propyl Ether	-	-	-	-					
Ethyl Silicate	+	+	+	+		+/o	-		
Ethyl Di Chloride	-	-	-	-		-	-		
Faeces	+	+	+	+		+			
Fatty Acids						+/o	+/o		
Ferric Chloride, 43 % in H2O						+	0	+	
Ferric Nitrate, 60 % in H2O						+	+		
Ferric Oxide	+	+	+	+		+			
Ferric Sulfate, 5 % in H2O						+	+/o		
Ferriferous Chloride (338 K)	+	+	+	+	+	+		+	
Ferro Hydroxide (Fe(OH)3)	-	-	+	+		+		-	
Ferrous Chloride, 40 % in H2O						+	+		
Ferrous Sulfate, 5 % in H2O						+	+/o	+	

Flexol 300				-		o			
Fluoboric	+	o	+	+	-	-			
Fluoric Acid	-	-	o	+		+	-	+	
Fluorine Benzene	-	-	-	-					
Fluoroboric Acid, 48 % in H2O							-		
Fluorine Boric Acid 65%	-	-	-	+					
Fluorine Silicon Acid		-		+					
Fluorosilicic Acid, 25 % in H2O							+		
Fluorsilicon Acid 50 %		-		+					
Formaldehyde 37%	+	o	+	o	-	+	-	+	
Formaldehyde 40% (343 K)	-	-	+	-		+	-	+	
Formamide (Formylamine)	+	o	+	+		+	-		
Formic Acid	-	-	o	-	+	+	-		
Formic Acid, 25 % in H2O						+	-	+	
Formic Acid, 40-50 % in H2O							-		
Freon 11						-	-		
Freon 12 Liquid	-	-	-	-	+		+		
Freon 22						-	-		
Fuel Oil	-	o	-	-	-	o	o		
Fuming Sulphuric Acid	-	-	o	o			-		
Furan	-	-	-	-		o	-		
Furfural	-	-	-	-	-	o	-		
Gallic Acid, 17 % in acetone						+/o	-		
Gallnutoil	o	-	o	+					
Garlic	+	+							
Gasoline, Automotive						-	+		
Gasoline 100 Octane	-	-	-	-	-	-	+		
Gasoline 65 Octane	-	-	-	-	-	-	+		
Gelatin						+	-	+	
Gelatin (Glue)	+	+	+	+	+	+	-	+	
Glucose	+	+	+	+	+	+	+/o	+	
Glucose, 50 % in H2O							+		

Glycerol, (Glycerin)	+	+	+	+	+	+	+/o		
Glycerol	+	+	o	+		+	+/o		
Glycol	+	+	+	+	+	+	-		
Glycolic Acid, 70 % in H2O						+	-		
Grainseed-oil	-	o	-	-					
Green Sulfate Liquor	+	o	+	+		+	+		
Heptane	-	-	-	-	-	-	+/o	-	
Hexaldehyde	+	o	+	+		o	o		
Hexane	-	-	-	-	-	-	+/o	-	
Hexene	-	o	-	-		-	o	-	
Hexyl-Alcohol	+	+	o	-		o	-		
Hog Fat	-	o	-	o					
Hydraulic Oil Ester Base	o	-	-	-					
Hydraulic Oil Mineral Base	-	o	-	-		o	+		
Hydraulic Oil Pydraul Base	-	-	-	-		o	+		
Hydraulic Oil Skydrol Base	-	-	-	-		o	+		
Hydrazine						+	-		
Hydrobromic Acid	o	o	+	+	-	+	-	+	
Hydrobromic Acid, 20-50 % in H2O						+	-	+	
Hydrobromic Acid 40%	-	-	o	+	-	+	-	+	
Hydrobromic Acid, 100 % in H2O							-		
Hydrochloric Acid, 10 % in H2O						+	-	+	
Hydrochloric Acid 15%	+	+	+	+	+	+	-	+	
Hydrochloric Acid 30%	+	o	+	+	o	o			
Hydrochloric Acid, 37 % in H2O						+	-		
Hydrochloric Acid (338 K)	-	-	+	+	+				
Hydrochloric Acid 33%, (323 K)	-	-	o	+	+				
Hydrochloric Acid Conc. 38%	o	-	+	+	+				
Hydrocyanic Acid	+	o	+	o	+	+	-	+	
Hydrofluoric Acid (Cold)	o	-	-	-		+	-	+	
Hydrofluoric Acid (Hot)	o	-	-	-					
Hydrofluoric Acid, 10 % in H2O							-		

Hydrofluoric Acid, 25 % in H2O							-	
Hydrofluoric Acid, 40-48 % in H2O							-	
Hydrofluosilicic Acid	+	o	+	-		+	-	
Hydrogen Peroxide, 3 % in H2O						+	o	+
Hydrogen Peroxide 10%	-	-	+	+	+	+	-	+
Hydrogen Peroxide 30%	-	-	-	+	+	+	-	+
Hydrogen Peroxide 90%	-	-	-	+	o	o	-	o
Hydrogen Sulphide	+	o	+	+	+	+	o	o
Hydrogen Sulphide Dry Cold	+		+	+		+	+	
Hydrogen Sulphide Dry Warm	+	o	+	+		+	+	
Hydrogen Sulphide Wet Cold	+	-	+	+		+	-	
Hydrogen Sulphide Wet Warm	+	+	+	+		+	-	
Hydrogen Sulphide Dry	+	o	+	+		+		
Hydrogen Sulphide Moist	o	o	+	+				
Hydrogen Superoxide 35%			+	+				
Hydroquinone, 7 % in H2O						+	+	
Hypochlorous Acid, 25 % in H2O						+	o	
Ink-Oil	-	o	-	+			+	
Iodine	-	-	o	+	+	+	-	o
Iodine, 50 ppm in H2O						+	+	
Iron Acetat Solution	+	+	+	+				
Iron Chloride	+	+	+	+		+		+
Iron Chloride Sulphate	o		+	+		+		+
Iron Hydroxide	-	-	+	+		+		-
Iron and Zinc Phosphate Solution	+	+	+	+				
Iron Nitrate (338 K)	+	+	+	+		+		+
Iron Sulphate → FeCl II	+	+	+	+		-	-	
Isoamyl Acetate	-	-	-	-		-	-	
Isoamyl Alcohol	-	-	-	-		o	o	
Isoamyl Formate	-	-	-	-		o		
Isobutene	-	-	-	-		o		
Isobutyl Acetate	-	-	-	-		-	-	

Isobutyl Alcohol	o	-	-	-	-	o/-	-		
Isobutyl Aldehyde	-	-	-	-			o		
Isobutyl Formate	-	-	-	-					
Isocyanate	-	-	-	-			+/o		
Isopropyl Acetate	o	-	o	o	o	+/o	-		
Isopropyl Alcohol	+	o	+	-	-	+/o	-		
Isopropyl Chloride	-	-	-	+		-	-		
Isopropyl Ether	-	-	-	-	-	-	+/o		
Iso Decane	-	-	-	-		-	o		
Iso Dodecane	-	-	-	-		-	+/o		
Iso Octane	-	o	-	-		-	+/o		
Isopropyl Acetate						+/o	-		
Isopropyl Alcohol						+/o	-		
Isopropyl Ether						o	-		
Jet Fuels (JP1,TIL, JP5)	-	o	-	-		-	o		
Jet Fuel, JP8							+		
Kerosene	-	o	-	-	-	-	+	-	
Lacquers	-		-	-		-	-		
Lacquer-Solvents	-		-	-	o	-	-		
Lactic Acid	o		o	+	+	+	-	+	
Lactic Acid, 3-10 % in H2O						+	+/o		
Lactic Acid, 85 % in H2O						+	+/o		
Lactol	-	o	-	-					
Lard	-	o	-	o	-	+/o	+		
Lauryl Ether Sulphate	o	-	+	o		+			
Lead Acetate	+	+	+	+	+	+	-	+	
Lead Acetate, 35 % in H2O						+	o		
Lead Nitrate	+	+	+	+		+	-		
Lead Salts							+/o		
Leadarsenate	+	o	+	+			+/o		
Leadsulphamate	+	+	+	+		+			
Lemon Oil						o	+/o		

Limesulphur	+	+	+	+		+/o	+/o		
Limewater	+	+	+	+		+			
Limonene-D							+/o		
Linoleic Acid						+/o	o		
Linseed Oil	-	-	-	o	-	+/o	+	o	
Liquid Manure	+	+	+	+					
Lithiumhydroxide	+	+	+	+		+	-	-	
Lubricating Oil	-	o	-	o		o	+		
Lye (Caustic)	+	+	+	+		+	-		
Magnesium Carbonate	+	+	+	+	+	+	+/o		
Magnesium Carbonate, 1 % in H2O						+	+/o		
Magnesium Chloride	+	+	+	+	+	+	o	+	
Magnesium Chloride, 35 % in H2O						+	o	+	
Magnesium Hydroxide	+	+	+	+	+	+	-	-	
Magnesium Hydroxide, 10 % in dil. acid						+	+		
Magnesium Nitrate	+	+	+	+	+	+	+		
Magnesium Nitrate, 50 % in H2O						+	+		
Magnesium Sulphate	+	+	+	+	+	+	+/o		
Magnesium Sulfate, 25 % in H2O						+	+/o		
Magnesium Sulphide			+	+			+		
Magnesium Suphite			+	+		+	+		
Maleic Acid, 30 % in H2O						+	o		
Malic Acid, 36 % in H2O						+	o		
Manganese Sulphate	+	+	+	+			-		
Manganese Salts						+	+		
Margarine Oil	-	+	-	-			+/o		
Mercaptane	-	-	-	-			+/o		
Mercury	+	+	+	+	+	+	+	+	
Mercurychloride	+	o	+	+	+	+	+	+	
Mercuric Chloride, 6 % in H2O						+	+	+	
Mercurycyanide	+	o	+	+	+	+	-	+	
Mercuric Cyanide, 8 % in H2O						+	o		

Mercury Salts						+	-	
Methanol (Methylalcohol)	+	+	+	+	+	+	-	-
Methylene Chloride	-	-	-	-	-	-	-	
Methyl Acetate	o	-	o	-	o	o	-	
Methyl Acetone	o	o	-	-		o	-	
Methyl Aceto Acetate	-	-	-	-		o	-	
Methyl Amine	-	-	-	-		o		
Methyl Amyl Acetate	-	-	-	-		o		
Methyl Amyl Carbinol	-	-	-	-		o		
Methyl Aniline	-	-	-	-		+/o	-	
Methyl Bromide	-	-	-	-	-	-	-	
Methyl Butyl Ketone	o	o	o	-		o	-	
Methyl Butyrate	-	-	-	-		o		
Methyl Cellosove	-	-	-	-		+/o	-	
Methyl Chloride	-	-	-	-	-	-	-	+
Methyl Ethyl Ketone	-	-	-	-	-	o	-	-
Methyl Formate	-	-	-	-		+/o	-	
Methyl Iodide	-	-	-	-		+	+	
Methyl Isobutyl Carbinol	-	-	-	-		o		
Methyl Isobutyrate	-	-	-	-		o		
Methyl Ethyl Ketone						o	-	
Methyl Isopropyl Ketone	-	-	-	-		-	-	
Methyl Methacrylate	-	-	-	-		o	-	
Methyl Oleate	-	-	-	-		o	-	
Methyl Propionate	-	-	-	-		o		
Methyl Salicylate	-	-	-	-		+/o	-	
Methyl Isobutyl Ketone	o	o	-	-	-	-	-	
Milk	o	+	o	+	+	+	+	+
Mineral Oil	-	+	-	+	-	-	+	
Mineral Spirits						+/o	+/o	
Molasses	+	+	+	+	+	+	+/o	
Mono Sodium Glutamate	-	+	+	o				

Monobrominebenzol	-	-	-	-					
Monochlorobenzene	-	-	-	-		-	-		
Monochloro Aniline	-	-	-	-					
Monochloro Difluoro Methane	-	-	-	-		o			
Monochloro Trifluoro Methane	-	-	-	-		o			
Mono Ethanol Amine	-	-	-	-	-	+/o	-		
Motor Oil	-	o	-	o			+/o		
Naphta	-		-	-	-	-	+/o	-	
Naphtalene	-	-	-	-	-	-	+/o		
Naphthene	-	-	-	-		-	+/o		
Nickel Chloride	+	+	+	+	+	+	o	-	
Nickel Chloride, 40 % in H2O						+	o		
Nickel Hydroxide	o		+	+		+	o	+	
Nickel Nitrate	+	+	+	+	+	+		+	
Nickel Nitrate, 75 % in H2O						+	+	+	
Nickel Sulphate	+	+	+	+	+	+	o	+	
Nickel Sulfate, 25 % in H2O						+	o	+	
Nicotine Bentonite	-	o	-	-					
Nicotine Sulphate	+	+	+	+			-		
Nitric Acid 2%	-	-	+	+	+	+	-	+	
Nitric Acid 25%	-	-	o	+	+	+/o	-	+	
Nitric Acid, 35 % in H2O						+/o	-	+	
Nitric Acid 40%	-	-	o	+	+	o	-	+	
Nitric Acid 60%	-	-	-	o	+	-	-	+	
Nitric Acid 70%	-	-	-	-	+	-	-		
Nitric Acid (Fuming)	-	-	-	-	+	-	-		
Nitro Benzene	-	-	-	-		o	-	o	
Nitro Glycerine	-	-	-	-			-		
Nitrosyl Chloride	-	-	-	-					
Nitrous Acid	-	-	+	+	+	+	+/o		
Nitrous Acid, 10 % in H2O						+	-	+	
Nitro Ethane	-	-	-	-		+	-		

Nitro Methane	-	-	-	-		+	-		
Nitro Octane	-	-	-	-		o	-		
Nitro Propene	-	-	-	-					
Octane	-	o	-	-		+/o	-		
Octyl Alcohol	+	+	+	+		o	-		
Octyl Aldehyde	-	-	-	-		o			
Oils, Animal							+		
Oils, Essential							+/o		
Oils, Hydraulic (Phosphate Ester)							+/o		
Oils, Hydrocarbon							+		
Oils, Vegetable							+		
Oleic Acid	-	-	-	o	-	+/o	-		
Oleinic Acid	-	o	-	-					
Ortho Dichlorobenzene						-	-		
Oxalic Acid, 12 % in H2O						+	-		
Olive Oil	-	o	-	-	-	o	+		
Oxalic Acid	+	o	+	+	o	+	-	+	
Oxalic Acid, 12 % in H2O						+	-	+	
Palmitic Acid	-	o	-	-	-	+/o		+/o	
Palmitic Acid, 100 % in ether							+/o		
Palmoil	-	o	-	-		+/o	+		
Paraformaldehyde	-	o	-	-			-		
Paraffin Oil 50%	-	-	-	-	-	o	+		
Paraffins						+	+		
Pelarbonicacid	-	-	-	-					
Pentane	-	o	-	-		+	-		
Penta-Chlorine-Phenol	-	-	-	-		o			
Perchloric Acid, 67 % in H2O						-	-		
Perchloroethylene						-	-		
Perchlorine-Acid	-	-	-	o		+	-	+	
Perchlorine-Ethene	-	-	-	-		o			
Petroleum						-	+		

Petroleum Till (363 K)	-	-	-	-		-	+		
Phenol	-	-	-	-	+	-	-		
Phenol, 5-10 % in H2O						o	-		
Phenol, 91 % in H2O						-	-		
Phenyl-Ethyl-Ether	-	-	-	-		o	-		
Phosphoric Acid 7% (323 K)	+	+	+	+	+	+	+	+	
Phosphoric Acid 7% (343 K)	o	o	+	+	+	+	+	+	
Phosphoric Acid 8% (353 K)	-	-	+	+	+	+	+	+	
Phosphoric Acid, <10 % in H2O						+	o	+	
Phosphoric Acid, 25 % in H2O						+	-	+	
Phosphoric Acid, 85 % in H2O						o	-	o	
Phosphoric Acid 50%	+	o	+	+	+	+	+	+	
Phosphoric Acid 75%	+	o	+	+	+	o	o	+	
Phosphoric Acid 85%	+	o	+	+	+	o	-	o	
Phosphor-Tri-Butyrate		-	-	-					
Phosphorous Trichloride Acid						+/o	-		
Phosphorous Oxochloride	-	-	-	-		o	-		
Photographic Solutions							o		
Phthalic Acid, 9 % in Alcohol						+	-		
Phthalic Anhydride, 9 % in alec						+	-		
Pickl.Sol.(20%Nitr.Acid,4%Hf)	-	-	o	+		+	-		
Picric Acid	o	-	+	+	-	o	-		
Pine Oil	-	o	-	-		o	+		
Pinetree Oil	-	o	-	-					
Plating Solutions						+	o		
Poly Acryl Acid	-	-	-	-					
Polyalcylene-Glycol	-	o	-	o		o		o	
Polyaluminium Chloride	o	+	o			+	+		
Polyvinyl Acetate	+		+			+	-		
Polyvinyl Alcohol Solvent	+	-	+						
Polyvinyl Alcohol Conc.	-	-	-						
Potassium Bichromate	o	o	+	+		+	o		

Potassium Borate	+	+	+	+		+	-		
Potassium Bromide	+	+	+	+		+	-		
Potassium Carbonate	+	+	+	+	+	+	-	+	
Potassium Carbonate, 55 % in H2O						+	o		
Potassium Chlorate	o	o	+	+		+	-	+	
Potassium Chloride	+	+	+	+		+	+		
Potassium Cyanide	+	+	+	+	+	+	-		
Potassium Cyanide, 33 % in H2O						+	+		
Potassium Dichromate	o	o	+	+	+	+	+/o		
Potassium Dichromate, 5 % in H2O						+	+		
Potassium Hydroxide	+	o	+	+	+	+	-	-	
Potassium Hypochlorite, 70 % in H2O						+	+		
Potassium Iodide, 56 % in H2O						+	+		
Potassium Nitrate	+	+	+	+		+	+		
Potassium Permanganate	+	+	+	+	+	+	-		
Potassium Permanganate, 6 % in H2O						+	o		
Potassium Sulphate	+	+	+	+		-	+		
Potassium Sulphite	+	+	+	+		+	+		
Propene Bromide	-	-	-	-		o			
Propene Carbonate	+	-	+	-		+			
Propene Chloric Hydrine	-	-	-	-		o	o		
Propene Chloride	-	-	-	-		o	o		
Propene Glycol	+	+	+	+					
Propene Glykol	+	+	+	+		o	-		
Propene Oxide	-	-		-					
Propene-Dichloride	-	-	-	-		o	o		
Propene-Di-Amine	-	-	-	-					
Propene-Trichloride	-	-	-	-					
Propionacid	-	-	-	-					
Propionic Acid						+	-		
Propionitrile	+	+	+	-		-			
Propyl Acetate	o	-	o	-		+/o	-		

Propyl Alcohol (Propanol)	+	-	+	-		+	-		
Propyl Benzene	+	+	+	-			-		
Propyl Di Chloride	-	-	-	-					
Propylene Glycol							+		
Propylene Oxide							+		
Propyl Formate	-	-	-	-					
Propyl Propionate	-	-	-	-			-		
Prussic Acid 20%	+	o	+	+		+	o		
Prussic Acid 98% concentrated	o	o	+	+					
Pyranol 1467/ 76	-	-	-	-					
Pyridine	-	-	-	+	-	+/o	-		
Quicksilver Nitrate	+	+	+	+	+	+			
Rapaseed Oil	-	o	-	-		+/o	+/o		
Resin (Rosin)	-	o	-	-		+	-		
Rotenone In Water	+	+	+	+					
Salicylic Acid, 1 % in H2O							+		
Seawater	+	+	+	+		+	+	+	
Sewage Water - no hydrocarbon	+	+	+	+		+	+/o	+	
Shell DD	-	o	-	+					
Silicon Carbide Slurry	+	+	+	+					
Silicone Oils						+/o	+		
Silicon-Fluoride	+	-	+	+					
Silicon Tetra Chloride									
Silicone-Oil	+	+	+	+	-	-	+		
Silver Cyanide (74 g/L)	+	o	+	+		+	-		
Silvernitrate	+	+	+	+	+	+	+	+	
Silver Nitrate, 55 % in H2O						+	+		
Soap Oil	-	o	-	+					
Soap Solutions	+	o	+	+	o	+/o	+	+	
Soda	+	+	+	+		+	+		
Soda Lye 1,25%	o	-	o	-					
Soda Lye 2,5%	o	-	o	o					

Soda Lye 50% (338K)	-	-	o	o		+	-		
Sodium Acetate	+	+	+	+	+	+	-		
Sodium Acetate, 55 % in H2O						+	o		
Sodium Aluminate 3%	+	o	+	+		+	-		
Sodium Aluminium Silicate	+	+	+	+		+			
Sodium Benzoate, 22 % in H2O							+		
Sodium Bicarbonate	+	+	+	+	+	+	+	+	
Sodium Bicarbonate, 7 % in H2O						+	+	+	
Sodium Bisulfate	+	+	+	+		+	+	+	
Sodium Bromide	+	-	+	+		+	-		
Sodium Carbonate	+	+	+	+	+	+	-	+	
Sodium Chlorate	-	-	+	+	+	+	-	+	
Sodium Chlorate, 45 % in H2O						+	+		
Sodium Chloride	+	+	+	+	+	+	+	+	
Sodium Chloride, 20 % in H2O						+	+		
Sodium Chloride 25%	+	+	+	+	+	+	+		
Sodium Cyanide	+	+	+	+	+	+	+		
Sodium Cyanide, 30 % in H2O						+	o		
Sodium Dichromate	o	o	+	+		+	o		
Sodium Iodide	o	-	+	+		+	-		
Sodium Fluor Aluminate	+	+	+	+			+/o		
Sodium Fluoride	+	+	+	+	+	+	+		
Sodium Fluoride, 3 % in H2O						+	+		
Sodium Hydrosulphide	+	+	+	+		+	-		
Sodium Hydroxide, 10-15 % in H2O						+	-		
Sodium Hydroxide, 30-40 % in H2O						+	-		
Sodium Hydroxide 50% Max.	+	o	+	+	+	+	-	-	
Sodium Hypochloride 20%	+	-	+	+		+	-		
Sodium Hypochlorite	-	-	+	+	+	+/o	-	+	
Sodium Hypochlorite, 5 % in H2O						+	-	+	
Sodium Hypochlorite, 12 % in H2O						+	-	+	
Sodium Metabisulphate <2%	-	-	o	-					

Sodium Metabisulphite <2%	-	-	o	-					
Sodium Metabisulphate >2%	-	-	-	-					
Sodium Metabisulphite >2%	-	-	-	-					
Sodium Meta Phosphate	+	+	+	+		+	-		
Sodium Metaborate 18%, (333 K)	+	+	+	+		+	-		
Sodium Nitrate	+	+	+	+	+	+	+	+	
Sodium Nitrate, 3 % in H2O						+	+	+	
Sodium Nitrite	+	+	+	+		+	+	+	
Sodium Oleate	-	-	-	-			-		
Sodium Perborate	o	-	+	+		+	-		
Sodium Peroxide	-	-	+	+		+/o	o		
Sodium Phosphate	+	+	+	+		+	+		
Sodium Phosphate Di Basic	+	+	+	+		+	+		
Sodium Phosphate Mono Basic	+	+	+	+		+	+		
Sodium Phosphate Tri Basic	+	+	+	+		+	+		
Sodium Salt	+	+	+	+	+	+	+		
Sodium Silicate	+	+	+	+		+	-	+	
Sodium Silico Aluminate	+	+	+	+		+			
Sodium Sulfate	+	+	+	+	+	+	+		
Sodium Sulfate, 5 % in H2O						+	+		
Sodium Sulfide	+	+	+	+	+	+	+	+	
Sodium Sulfide, 45 % in H2O						+	+	+	
Sodium Sulfite	+	+	+	+	+	+	+	+	
Sodium Sulfite, 10 % in H2O						+	+	+	
Sodium Thiosulfate	+	+	+	+		+	+		
Soya Oil	+	+	+	+		o	+/o		
Spent Sulphite Liquor			+	+					
Spirit (Ethyl Alcohol)	+	o	+	+		+	-		
Stannic Chloride	+	+	+	+	+	+	+		
Stannic Chloride, 45 % in H2O						+	+		
Stannic Chloride, 50 % in H2O						+	o		
Stearic Acid	-	o	-	-	-	+/o	+/o		

Stearic Acid, 5 % in Alcohol						+/o	+/o		
Stromtium Ferrite	+								
Styrene (Monomer)	-	-	-	-		-	-		
Succinic / Amber Acid	+		+				-		
Sulfamine Acid 2%	+	o	+	+					
Sulfur (363 K)	-	-	-	-		+	-		
Sulfur Chloride	o	-	+	+		-	-	+	
Sulfuric Acid 5% (358 K)				+	+	+/o	-	+	
Sulfuric Acid 10% Cold	+	+	+	+	+	+/o	-	+	
Sulfuric Acid, 10 % in H2O						+/o	-	+	
Sulfuric Acid 10% (348 K)			+	+	+	+/o	-	+	
Sulfuric Acid 20%	+	o	+	+	+	+/o	-	+	
Sulfuric Acid 30%	+	o	+	+	+	+/o	-	+	
Sulfuric Acid, 30 % in H2O						+/o	-	+	
Sulfuric Acid (338 K)				+	+	+/o	-		
Sulfuric Acid 50%	o	o	+	+	+	+	-		
Sulfuric Acid 75% Cold	-	-	+	+	+	+	-		
Sulfuric Acid 95% Cold	-	-	o	+	+	o	-		
Sulfuric Acid, 98 % in H2O						-	-		
Sulfurous Acid						+	-		
Sulfurous Acid 10%	+	o	+	+	+	+	-		
Sulfurous Acid 75%	o	-	+	+	+	+	-		
Sulphur Dioxide 5% In Water	+	o	+	+		+	-	+	
Sulphonic Acid	-	-	-	o					
Sunflower Oil	-	+	-	-					
Tallow	-	o	-	o		+/o	+		
Tannic Acid	+	+	+	+	o	+	+		
Tar	-	-	-	-		o	-		
Tartaric Acid	+	+	+	o	+	+	o	+	
Tannic Acid, 75 % in H2O							-		
Tartaric Acid, 56% in H2O							+		
Tartaric Oil	+	o	+	+			+		

Tetra-Bromo-Ethane	-	-	-	-		o	-	o	
Tetra-Butyl-Titanate	-	-	-	-		+/o			
Tetra-Chloro-Carbon	-	-	-	-		o			
Tetra-Chloro-Difluor-Ethane	-	-	-	-		o			
Tetra-Chloro-Ethane	-	-	-	-		-	-		
Tetra-Chloro-Naftaline	-	-	-	-		o	-		
Tetra-Fluor-Carbon	-	-	-	-		o	-		
Tetra-Hydro-Furan	-	-	-	-		+/o	-	-	
Thorium Slurry	+	o	+	+					
Thionyl Chloride						+/o	o		
Tin Salts						+	+/o		
Titanium Salts						+	-		
Titanium Dioxide 30%	+	o	+	+		+	-		
Titanium Sulphate						+	-		
Titanium Sulphate 1%	+	o	+	+					
Toluene	-	-	-	-	-	-	-		
Tributoxy Phosphate	-	-	-	-		o	-		
Tributyl Phosphate	-	-	-	-		o	-		
Trichloroacetic Acid, 90 % in H2O						o	-		
Trichloro Benzene	-	-	-	-		o	-		
Trichloroethane						-	-		
Trichloro Ethene	-	-	-	-	-	-			
Trichloroethylene						-	-		
Trichloro Fluorine Methane	-	-	-	-		o	-		
Trichloropropane						-	-		
Trichloro Trifluor Ethane	-	-	-	-		-	+/o		
Tricesyl Phosphate	-	-	-	-	+	+	-		
Triethanol Amine	-	-	-	-	-	o	-		
Trifenyl Phosphate	+	+	+	+		+			
Trisodium Phosphate	-	-	-	+	+	+	+/o	+	
Tung Oil (China Wood Oil)	-	-	-	-		+/o	-		
Turpentine	-	-	-	-		+/o	-	+/o	

Urea	+	+	+	+	+	+			
Urea, 20 % in H2O							+		
Urine	+	o	+	+		+	+		
Uric Acid						+	-		
Vegetable Oil	-	o	-	o	-	o	+		
Vinegar	o	-	+	+	+	+	-		
Vinegar Anhydride 50%	-	-	o	+					
Vinyl Acetate						+/o	-		
Vinylchloride	-	-	-	-		-	-		
Water	+	+	+	+	+	+	+	+	
Water, Condensation	+	+	+	+	+	+	+	+	
Water, Deionized						+	+	+	
Water, Distilled	+	+	+	+	+	+	+	+	
Water, Drink	+	+	+	+	+	+	+		
Water, Min.With Oxyd.Salts	o	-	+	+		+	+		
Water, Min.Without Oxyd. Salts	+	+	+	+		+	+		
Whisky And Wine	+	+	+	+		+	-		
White Oil 10%	-	+	-	-		-	+		
White Spirit	-	o	-	-					
Wood Oil	-	-	-	-		+/o	+		
Woolfat	-	-	-				+/o		
Yeast	+	+	+	+			o		
Xylene	-	-	-	-	-	-	-	o	
Zinc Borat	+	+	+	+		+			
Zinc Chloride	+	+	+	+	+	+	+		
Zinc Chloride, 80 % in H2O						+	o	+	
Zinc Oxide (300 K)	+	+	+	+		+			
Zinc Salts							+		
Zinc Sulfate	+	+	+	+		+	-		
Zinc ammonium Chloride	+	-	+	+			-		
Zinc Hydroxide Precipitate	+	o	+	+