Van de Lande

+ Good resistance
~ Limited resistance
- Not resistant

Substance	Conc.	PVC-U		PVC-C		PP		PE		EDPM		NBR		FPM	
		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Acetaldehyde	40%	~		-	-	+	+	+	~	+	+	-		+	~
	100%	-		-	-	~		+		+	-	-		~	
Acetic acid	<10%	+	+	+	+	+	+	+	+	+	~	+		+	~
	10-20%	+	+	~		+	+	+	+	+	~	+		+	~
	20-30%	+	+	~		+	+	+	+	~	~	-		~	~
	30-60%	+	-	~		+	+	+	~	~	~	-		-	-
	>60%	+	-	~		+	+	+	~	~	~	-		-	-
Acetic anhydride		-	-	-	-	+		+	~	~				-	-
Acetone	<5%	-	-	+	+	+	+	+	+	+	+	-	-	-	-
	>5%			-	-										
Acrylic ester		-		-	-	-				~		-		-	
Acrylonitrile		-		-	-	+		+	+	+	~	-		~	-
Adipic acid		+	-	+	+	+	+	+	+	+	+	+	+	+	+
Alcoholic spirits	40%	+				+		+		+		+		+	
Allyl alcohol	96%	~	-	~		+	+	+	+	~	~	+	+	~	-
Aluminium chloride		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Aluminium potassium sulphate		+	~	+	+	+	+	+	+	+	+	+	~	+	+
Aluminium sulphate		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ammonia, dry gas		+	+	-	-	+		+	+	+	~			+	
Ammonia, liquid		~	-	-	-	+		+		+				-	
Ammonium acetate		+	~	+	+	+	+	+	+	+	+	+		+	+
Ammonium carbonate	50%	+	~	+	+	+	+	+	+	+	+	+	+	+	+
Ammonium chloride		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Ammonium fluoride	20%	+	~	+	+	+	+	+	+					+	+
Ammonium hydroxide		+	~	-	-	+	+	+	+	+	+	+	~	-	
Ammonium nitrate		+	+	+	+	+	+	+	+	+	+	+	~	+	+
Ammonium phosphate		+	+	+		+	+	+	+	+	+	+	~	+	+
Ammonium sulphate		+	+	+	+	+	+	+	+	+	+	+	~	+	+
Ammonium sulphide		+	~	+	+	+	+	+	+	+	+	+	+	+	-
Amyl acetate		-	-	-	-	~	-	+	+	~		-		-	
Amyl alcohol		+	~	~		+	+	+	~	+	+	+	+	~	
Aniline		-		-	-	~		+	+	-		-		~	~
Aniline hydrochloride		+				+	~	+	+	+	+	~		~	
Antimony trichloride	90%	+		+	+	+	+	+	+	+		-		+	
Aqua regia		+		+	-	-		-		-		-		~	

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		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Arsenic acid	80%	+	~	+	-	+	+	+	+	+	+	+	+	+	+
Barium hydroxide		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Barium salts		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Beer		+	+	+	+	+	+	+	+	+		+		+	
Benzaldehyde		-		-	-	+		+	+	+	+	~		+	+
Benzene		-	-	-	-	~	-	~	-	-	-	~		+	
Benzine		+	+			~	-	+	~	-	-	+	+	+	+
Benzoic acid		~	-	+	-	+	+	+	+	-	-	-	-	+	+
Benzyl alcohol		~		-	-	+	~	+	+	-		-		+	
Borax		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Boric acid		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Bromine gas		-		-	-	-		-		-		-		+	
Bromine liquid		-		-	-	-		-		-		-		+	
Bromine water, aqueous, sat'd		+		+	+	-		-		-		-		+	
Butadiene		+				+	+	~	-	-		-		~	
Butane		+	+	+	+	+		+		-		+		+	
Butanediol	10%	+				+	+	+	+	+	+	+	+	+	+
Butanol		+	~	~		+	~	+	~	+	+	+	+	+	-
Butyl acetate		-		-	-	~		+		+	-	-		~	-
Butyl phenol		~	-			+		+		-		--		~	
Butylene glycol		+	~			+	+	+	+	+	+	+		+	~
Butylene liquid		+				-		-		~		-		+	
Butyric acid	1%	+	-	+	+			+		+		-		+	
	20%	+	-	-	-			+		+		-		+	
	98%	-	-	-	-		+	~	+	~		-		~	
Calcium Bisulphite		+		+	+					+		+		+	+
Calcium Chloride		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Calcium hydroxide		+	+	+	+	+	+	+	+	+	+	+	~	+	+
Calcium Hypochlorite		+		+	+	+	+	+	+	+	+	+		+	-
Calcium Nitrate		+	+	+	+	+	+	+	+	+	+	+		+	+
Carbon dioxide, moist		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Carbon dioxide, anhydrous		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carbon disulphide		-		-	-	~		~		-		-		+	
Carbon tetrachloride		-	-	-	-	-	-	~	-	-	-	-	-	+	+

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		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Chloral hydrate		-				~	-	+	+	~	+	-		~	
Chlorethanol		-				+	+	+	+	~	+	+		-	
Chloric Acid	10%	+	~	+	+	-		+	+	+	+	-		-	
	20%	+	~	+	+	-		~		+		-		-	
Chlorine, aqueous		~	-			-	-	+	~	-	~	-	-	-	-
Chlorine, dry gas		~	-	-	-	-	-	~	-	-	-	-	-	+	-
Chlorine water		~		+	+	~				~		-		~	
Chloroacetic acid		+	~			+	+	+	+	~	+	-		+	
Chlorobenzene		-		-	-	+		~	-	-	-	-		-	
Chloroform		-		-	-	~		~	-	-	-	-		~	
Chlorosulphonic acid	100%	~	-			-	-	-	-	-	-	-	-	-	-
Chrome alum		+	+			+	+	+	+	+	+	+	+	+	+
Chromic acid	<50%	+	~	+	+	~	-	~	-	~	-	-		+	+
Cider		+		+		+		+	+	+	+	+		+	
Citric acid	20%	+	~	+	+	+	+	+	+	+	+	+	~	+	+
Coal gas, benzene free		+				+		+		-		+		+	
Compressed air, containing oil						~		+		-		+		+	
Copper chloride		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Copper fluoride	2%	+	+	+	+	+	+	+	+	+	+	+	~	+	+
Copper salts		+	~	+	+	+	-	+	+	+	+	+	~	+	+
Copper sulphate		+	+	+	+	+	+	+	+	+	+	+	~	+	+
Cresols		~	-	-	-	+	-	+	~	-	~	~		~	
Crotonic aldehyde		~		-	-	+		+		+		+		+	
Cyclohexane		-		-	-	+		+	+	-		+		+	
Cyclohexanol		+	+	-	-	+	~	+	+	-		~		+	
Cyclohexanone		-	-	-	-	+	~	+	~	~		-	-	-	
Densodrine		+	+									+		+	
Detergents		+	~	~		+	+	+	+	+	+	+	+	+	+
Dextrine		+	+	+	+	+		+	+	+	+	+	+	+	+
Dichloroacetic acid		+	~			+	~	+	~	+	+	-		~	
Dichloroethane		-	-	-	-	~		~	~	~	-	-		-	
Dichloromethane		-	-			~	-	~	~	-		-		~	
Diesel oil		+				~		+	~	-		+		+	
Diethylamine	30%	~		-	-	+				~		-		~	

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		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Diglycolic acid	30%	+	~			+	+	+	+	+	~			+	+
Dimethylamine		~				+		+	~	~		-		-	
Dioxane		-				~	~	+	+	+		~		-	
Ethanol	<5%	+	~	+	+	+	+	+	+	+	+	+	+	+	+
Ethyl acetate		-	-	-	-	+	~	+	~	~	~	-	-	-	-
Ethyl alcohol	96%	+	~			+	+	+	+	+	+	+	+	~	~
Ethyl chloride		-		-	-	~		~		-		-		~	
Ethyl ether		-		-	-	+		+	~	-		-		-	
Ethylene chloride		-		-	-	~		~		-	~	~		+	~
Ethylene diamine		~		-	-	+		+	+	+	+	~	-	~	-
Ethylene glycol	<50%	+	+	+	+	+	+	+	+	+	+	+	~	+	+
	>50%			~											
Fertilizer salts		+	~			+	+	+	+	+	+	+	+	+	+
Fluorosilicic acid	<25%	+	+	+	+	+		+	+	~	-	-		-	-
Formaldehyde	40%	+		-	-	+		+	+	+	+	+	~	+	+
Formamide		-				+	+	+	+	+		+		~	
Formic acid	<25%	+	~	+	+	+	~	+	+	+	~	-	-	+	~
	25-50%	+	~	~											
Fruit juices		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fuel oil		+				~		+	~	-		+	+	+	+
Furfuryl alcohol		-	-			+	~	+	+	~		-		~	-
Gelatine		+				+	+	+	+	+		+		+	
Glucose		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Glycerine		+	+	+	+	+	+	+	+	+	+	+	+	~	+
Glycocoll	10%	+				+		+		+		+		+	
Glycolic acid	37%	+				+		+	+	+		+		+	
Heptane		+		~		+	~	+	~	-		+	+	+	+
Hexane		+				+	~	+	~	-		+	+	+	+
Hydrazine hydrate		+				+	+	+	+	+		-		+	
Hydrobromic acid	10%	+	+					+	+	+	+			+	+
	50%	+	~			+	+	+	+	+	~	~	-	+	+
Hydrochloric acid	<25%	+	+	+	+	+	+	+	+	+	+	-	-	+	+
	25-40%	+	~	+	+	+	~	+	+	~	~	-	-	+	~
Hydrocyanic acid		+	~			+	+	+	+	+		~		+	

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		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Hydrofluoric acid	40%	~	-	-	-	+	~	+	~	-	-	-	-	+	
	60%	~	-	-	-	+	+	+	~	-	-	-	-	+	
	70%	~	-	-	-	+		+	~	-	-	-	-	+	
Hydrogen		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydrogen chloride		+	~	+		+	+	+	+	+	+	~		+	+
Hydrogen peroxide	10%	+	~	+	+	+	+	~	-	+	-	~		+	-
	30%	+		+	+	+	~	~	-	~		-		+	~
	90%	+				-		~	~	~		-		~	
Hydrogen sulphide		+	+			+	+	+	~	+	-	+	-	+	~
Hydroxylamine sulphate		+				+	+	+	+	+		+		+	
Iron trichloride		+	~			+	+	+	+	+	+	+	+	+	+
Kerosene		+	+	-	-	+		+	~	~	-	+	~	+	+
Lactic acid	<10%	+	~	+	+	+	+	+	+	~	~	~	~	~	~
	10-25%	~	-	+	+	+	+	+	+	~	-			~	+
	>25%	~	-	+											
Lead acetate		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lead tetraethyl		+				+		+		~		+		+	
Magnesium chloride		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Maleic acid	<50%	+	~	+	+	+	+	+	+	~	-	-		+	+
Methyl alcohol		+	~			+	+	+	+	+	+	+	+	~	~
Milk		+	+			+	+	+	+	+		+		+	
Mineral oil		+	+					+	~	-	-	+	+	+	+
Molasses		+	~	+		+	+	+	+	+	+	+	+	+	+
Nickel sulphate		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nitric acid	<50%	+	~	+	-	~	-	~	-	-	-			+	~
	>50%	-	-	+	-	-	-	-	-	-	-			-	-
Oils and Fats		+	+	-	-	+	+	+	~	-	-	+		+	+
Oleic acid		+	+			+	~	+	~	-		~	-	+	-
Oleum, 10% SO3		-	-	-	-	-	-	-	-	-	-	-	-	-	~
Oxalic acid		+	+	+	-	+	+	+	+	+	+	~	-	+	+
Oxygen		+	+	+	+	+	~	+	+	+	+	-		+	+
Ozone		+				~	-	~	-	+	-	-		+	-
Perchloric acid	10%	+	~	+		+	+	+	+	~	+	-	-	+	+
	70%	-	-			~	-	+	-	+	~	-	-	+	~

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		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Phenol	10%	+				+	+	+	~	+	+	-		+	+
	90%	~				+	+	+	~	-		-		+	-
Phenylhydrazine		-	-	-	-	~		~	-	~		-	-	+	~
Phenylhydrazine hydrochloride		~		-	-	+	~	+	-	+	~	~		+	~
Phosphine		+	+			+	+	+	+						
Phosphoric acid	<50%	+	+	+	+	+	+	+	+	+	+	~	-	+	+
	50-85%	+	+	+	+	+	+	+	~	+	+	-	-	+	+
Picric acid	1%	+		-	-	+		+		+	~	~		+	+
Potassium bichromate		+	~	+	+	+	+	+	+	+	+	+		+	+
Potassium borate	10%	+	~	+	+	+	+	+	+	+	+	+	+	+	+
Potassium bromate		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Potassium bromide		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Potassium chlorate		+	+	+	+	+	+	+	+	+	+	+		+	+
Potassium chloride		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Potassium chromate		+	+	+	+	+	+	+	+	+	+	+	-	+	+
Potassium cyanide		+	+	+	+	+	+	+	+	+	+	+	+	+	-
Potassium dichromate		+	+	+	+	+	+	+	+	+	+	~		+	+
Potassium iodide		+	+	+	+	+	+	+	+	+	+	+	-	+	+
Potassium nitrate		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Potassium perchlorate		+	~	+	+	+	+	+	~	+	+	+		+	+
Potassium permanganate		+	~	+	+	+	+	+	~	+	+	+		+	+
Potassium persulphate		+	~	+		+	+	+	+	+	+	-		+	+
Potassium phosphates		+	~	+	+	+	+	+	+	+	+	+	-	+	+
Potassium sulphate		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Pyridine		-	-	-	-	~		+	~	+	~	-		~	
Sea water		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Silver nitrate		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Soap		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Sodium acetate		+		+	+	+	+	+	+	+	+	+		+	+
Soduim benzoate		+	~	+	+	+	+	+	+	+	+	+		+	+
Sodium bicarbonate		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sodium bisulphate	10%	+	~	+	+	+	+	+	+	+	+	+	-	+	+
Sodium bisulphite		+	-	+	+	+	+	+	+	+	+	~	-	~	-
Sodium bromate		+						+		+	+	+	-	+	+

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		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Sodium bromide		+	~	+	+	+	+	+	+	+	+	+		+	+
Sodium carbonate		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sodium chlorate		+	~	+	+	+	+	+	+	+	+	+	-	+	+
Sodium chloride		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Sodium chlorite		~		+	+	+	~	+		+	+	-		+	+
Sodium chromate		+	~	+	+	+		+		+	+	+	-	+	+
Sodium disulphite		+	~			+		+		+	+	~		+	+
Sodium dithionite	10%	+	~			+	+	+	+	+	+	+	-	+	+
Sodium fluoride		+		+	+	+		+	+	+	+	+	~	+	+
Sodium hydroxide	10%	+	~			+	+	+	+	+	+	+	+	~	~
	50%	+	+			+	+	+	+	+	~	~	-	-	-
Sodium hypochlorite		+	~	+	+	~	-	~	-	+		-		+	
Sodium iodide		+	~	+		+		+		+	+	+	~	+	+
Sodium nitrate		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Sodium nitrite		+		+	+	+		+	+	+	+	+	-	+	+
Sodium oxalate		+	~			+		+		+		+		+	
Sodium persulphate		+	~			+	+	+	+	+	+	-		+	+
Sodium phosphate		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Sodium silicate		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Sodium sulphate		+	~	+	+	+	+	+	+	+	~	+	+	+	+
Sodium sulphide		+	~	+	+	+	+	+	+	+	+	+	+	-	
Sodium sulphite		+	~	+	+	+	+	+	+	+	+	+	-	+	+
Sodium thiosulphate		+	~	+	+	+	+	+	+	+	+	+	-	+	+
Stannous chloride		+	+	+	+	+	+	+	+	+	-	+	~	+	+
Sugar		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sulfuric acid	<50%	+	~	+	+	+	+	+	+	+	+	~		+	+
	50-80%	+	-	+	+	+		+	~	+	-	-	-	+	+
	80-96%	~	-	+	-	-	-	~	-	-	-	-	-	+	-
Sulfurous acid		+	~	+	+	+	+	+	+	+	-	-	-	+	~
Sulphur dioxide, moist		~	-			+		+	+	+		-		+	
Sulphur dioxide, anhydrous		+	+			+		+	+	+		-		+	
Tannic acid	30%	+	+	+		+	+	+	+	+		+		+	+
Tartaric acid		+	+	+		+	+	+	+	+	-	+	~	+	+
Toluene		-	-	-	-	~	-	~	-	-	-	-	-	~	-

Van de Lande

+ Good resistance
~ Limited resistance
- Not resistant

Substance	Conc.	PVC-U		PVC-C		PP		PE		EDPM		NBR		FPM	
		[20°C]	[60°C]	[20°C]	[80°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]	[20°C]	[60°C]
Trichloroethylene		-	-	-	-	-	-	-	-	-	-	-	-	+	-
Urea	10%	+	~	+	+	+	+	+	+	+	+	+	+	+	+
Urine		+	~	+	+	+	+	+	+	+	+	+	+	+	+
Vinegar		+	+	+	+	+	+	+	+	+	+	-	-	~	-
Vinyl acetate		-	-	-	-	+	~	+	+	+	-	+		+	
Wine		+	+	+		+	+	+	+	+		+		+	
Xylenes		-	-	-	-	-	-	~	-	-	-	-	-	+	-
Yeast		+	~			+	+	+	+	+		+		+	
Zinc chloride		+	+	+	+	+	+	+	+	+	+	+	+	+	+