

Chemical Resistance
van de Lande B.V.
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+ Good resistance
~ Limited resistance
- Not resistant

| Substance | Conc. | PVC-U | | PP | | PE | | EPDM | | NBR | | FPM | |
|------------------------------|----------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | | 20°C | 60°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 | <20% 20-30% 30-60% >60% | + | + | + | + | + | + | + | ~ | + | | + | ~ |
| Acetic anhydride | | - | - | + | | + | ~ | ~ | | | | - | - |
| Acetone | | - | - | + | + | + | + | + | + | - | - | - | - |
| 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 | | + | | - | | - | | - | | - | | ~ | |
| Arsenic acid | 80% | + | ~ | + | + | + | + | + | + | + | + | + | + |
| Barium hydroxide | | + | ~ | + | + | + | + | + | + | + | + | + | + |
| Barium salts | | + | + | + | + | + | + | + | + | + | + | + | + |
| Beer | | + | + | + | + | + | + | + | | + | | + | |
| Benzaldehyde | | - | | + | | + | + | + | + | ~ | | + | + |
| Benzene | | - | - | ~ | - | ~ | - | - | - | ~ | | + | |
| Benzine | | + | + | ~ | - | + | ~ | - | - | + | + | + | + |
| Benzoic acid | | ~ | - | + | + | + | + | - | - | - | - | + | + |
| Benzyl alcohol | | ~ | | + | ~ | + | + | - | | - | | + | |
| Borax | | + | ~ | + | + | + | + | + | + | + | + | + | + |
| Boric acid | | + | ~ | + | + | + | + | + | + | + | + | + | + |
| Bromine gas | | - | | - | | - | | - | | - | | + | |
| Bromine liquid | | - | | - | | - | | - | | - | | + | |
| Bromine water | | + | | - | | - | | - | | - | | + | |
| Butadiene | | + | | + | + | ~ | - | - | | - | | ~ | |

| | | | | | | | | | | | | | |
|--------------------------------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| Butane | | + | + | + | | + | | - | | + | | + | |
| Butanediol | 10% | + | | + | + | + | | + | + | + | + | + | + |
| Butanol | | + | ~ | + | ~ | + | | + | + | + | + | + | - |
| Butyl acetate | | - | | ~ | | + | ~ | + | - | - | | ~ | - |
| Butyl phenol | | ~ | - | + | | + | + | - | | - | | ~ | - |
| Butylene glycol | | + | ~ | + | + | + | | + | + | - | | + | ~ |
| Butylene liquid | | + | | - | | - | | ~ | | + | | + | |
| Butyric acid | 20% | + | - | | | + | + | + | | - | | + | |
| | 98% | - | - | | + | ~ | ~ | ~ | | - | | ~ | |
| Calciumbisulphite | | + | | | | | | + | | - | | + | + |
| Calcium chloride | | + | ~ | + | + | + | + | + | + | + | + | + | + |
| Calcium hydroxide | | + | + | + | + | + | + | + | + | + | ~ | + | + |
| Calcium hypochlorite | | + | | + | + | + | + | + | + | + | | + | - |
| Calcium nitrate | | + | + | + | + | + | + | + | + | + | | + | + |
| Carbon dioxide, moist | | + | ~ | + | + | + | + | + | + | + | + | + | + |
| Carbon dioxide, anhydrous | | + | + | + | + | + | + | + | + | + | + | + | + |
| Carbon disulphide | | - | | ~ | | ~ | - | - | | - | | + | |
| Carbon tetrachloride | | - | - | - | - | ~ | - | - | - | - | - | + | + |
| 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% | ~ | | + | | | | ~ | | - | | ~ | |
| Diglycolic acid | 30% | + | ~ | + | + | + | + | + | ~ | | | + | + |
| Dimethylamine | | ~ | | + | | + | ~ | ~ | | - | | - | |

| | | | | | | | | | |
|------------------------|--------|---|---|---|---|---|---|---|---|
| Dioxane | | - | ~ | ~ | + | + | + | ~ | - |
| Ethanol | 96% | + | ~ | + | + | + | + | + | + |
| Ethyl acetate | | - | - | + | ~ | ~ | ~ | - | - |
| Ethyl alcohol | 96% | + | ~ | + | + | + | + | + | ~ |
| Ethyl chloride | | - | | ~ | | - | | - | ~ |
| Ethyl ether | | - | | + | ~ | - | | - | - |
| Ethylene chloride | | - | | ~ | | - | ~ | | + |
| Ethylene diamine | | ~ | | + | + | + | + | ~ | - |
| Ethylene glycol | | + | + | + | + | + | + | + | ~ |
| Fertilizer salts | | + | ~ | + | + | + | + | + | + |
| Fluorosilicic acid | | + | + | + | | + | + | ~ | - |
| Formaldehyde | 40% | + | | + | | + | + | + | ~ |
| Formamide | | - | | + | + | + | | + | |
| Formic acid | <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 | | + | ~ | + | + | + | + | ~ | |
| Hydrofluoric acid | 40% | ~ | - | + | ~ | + | ~ | - | - |
| | 60% | ~ | - | + | + | + | ~ | - | - |
| | 70% | ~ | - | + | | + | ~ | - | - |
| Hydrogen | | + | + | + | + | + | + | + | + |
| Hydrogen chloride | | + | ~ | + | + | + | + | ~ | |
| Hydrogen peroxide | 10% | + | ~ | + | + | ~ | - | + | - |
| | 30% | + | | + | ~ | ~ | - | ~ | ~ |
| | 90% | + | | - | | ~ | ~ | ~ | ~ |
| Hydrogen sulphide | | + | + | + | + | + | ~ | + | - |
| Hydroxylamine sulphate | | + | | + | + | + | + | + | |
| Iron trichloride | | + | ~ | + | + | + | + | + | + |
| Kerosene | | + | + | + | | + | ~ | ~ | - |
| Lactic acid | <10% | + | ~ | + | + | + | + | ~ | ~ |
| | >10% | ~ | - | + | + | + | + | ~ | - |
| Lead acetate | | + | + | + | + | + | + | + | + |
| Lead tetraethyl | | + | | + | | + | | ~ | |
| Magnesium chloride | | + | ~ | + | + | + | + | + | + |
| Maleic acid | | + | ~ | + | + | + | + | ~ | - |

| | | | | | | | | | | | | | |
|-------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|
| 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% | - | - | ~ | - | + | - | + | ~ | - | - | + | ~ |
| 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 | | + | | + | + | + | + | + | + | + | | + | + |
| Sodium benzoate | | + | ~ | + | + | + | + | + | + | + | | + | + |
| Sodium bicarbonate | | + | + | + | + | + | + | + | + | + | + | + | + |
| Sodium bisulphate | 10% | + | ~ | + | + | + | + | + | + | + | - | + | + |
| Sodium bisulphite | | + | - | + | + | + | + | + | + | ~ | - | ~ | - |
| Sodium bromate | | + | | + | | + | | + | + | + | - | + | + |
| Sodium bromide | | + | ~ | + | + | + | + | + | + | + | | + | + |
| Sodium carbonate | | + | + | + | + | + | + | + | + | + | + | + | + |
| Sodium chlorate | | + | ~ | + | + | + | + | + | + | + | - | + | + |

