

Esko Glove Chemical Resistance Chart

No one type of glove will protect against all chemical hazards. It is important to conduct a risk assessment prior to the selection of any gloves.

Take into account the degree of dexterity required. Tasks such as laboratory work may require a thinner glove material while operations such as cleaning industrial parts will require heavier gloves.

Some tasks may require only protection against splashes or intermittent contact, while others may involve complete immersion or continual contact with the chemicals. In selecting gloves for chemical resistance it is important to determine if you will have **incidental** or **extended** contact with the hazardous material:

Incidental contact (little or no direct contact with the hazardous material) includes:

- Possibility of minor accidental spills or splashes
- Accidental overspray from a dispensing device
- Handling infectious agents that require barrier protection

Extended contact includes:

- Handling highly contaminated materials
- Hands submerged in a chemical or hazardous substance
- Need for physical protection if there is risk from temperature extremes or sharp objects

For many chemicals, disposable-type gloves may be appropriate for incidental contact. Nitrile gloves have generally better strength and chemical resistance than latex. For extended contact more substantial gloves will be required. Other factors to consider are the temperature and concentration of the chemical and the features of the glove itself such as thickness, length and grip.

✓ = Suitable; expected breakthrough time 60 minutes to 480 minutes

✓✓ = Highly suitable; expected breakthrough time 480 minutes or more

Breakthrough time is defined as the elapsed time between initial contact of the liquid chemical with the outside surface of the glove and the time at which the permeation rate reaches 0.1 mg/m² /sec. When breakthrough occurs, the glove is no longer providing adequate protection.

Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
<ul style="list-style-type: none"> • Good for biological and water-based materials • Poor for organic solvents • Little chemical protection • Hard to detect puncture holes • Can cause latex allergies 	<ul style="list-style-type: none"> • Excellent general use glove • Good for solvents, oils, greases and some acids and bases • Clear indication of tears and breaks • Good dexterity and sensitivity • Good alternative for those with latex allergies 	<ul style="list-style-type: none"> • Good for acids, bases, alcohols, fuels, peroxides, hydrocarbons and phenols • Poor for halogenated and aromatic hydrocarbons • Good for most hazardous chemicals • Good dexterity, high density and tear resistance 	<ul style="list-style-type: none"> • Good for acids, bases, oils, fats, peroxides and amines • Can be used for immersion, good resistance to abrasion • Poor for most organic solvents • Lower dexterity and sensitivity 	<ul style="list-style-type: none"> • Protects against a wide variety of chemicals • Good for peroxide, strong acids, bases, ketones and esters • Poor for gasoline and aliphatic, aromatic and halogenated hydrocarbons 	<ul style="list-style-type: none"> • Good for most hazardous chemicals • But poor fit (grip and dexterity can be improved by using a heavier weight glove over the laminated film glove)

Because actual conditions of use are beyond our control these recommendations are advisory only. The suitability of a product for a specific application must be determined by testing by the user.

Esko Latex gloves
NEDYB / MDNHD



Esko Nitrile gloves
RNF-15 / RNU22
/ MDNHD



Esko Neoprene gloves
NEO



Esko PVC gloves
E370 / E375



Glove Material

Chemical	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
1,2,4,5-Tetrachlorobenzene		✓✓				
1,3-Butadiene		✓✓			✓✓	✓✓
1-Methoxy-2-Propylacetate		✓				✓✓
1-Methyl-4-Tert-Butylbenzene					✓	✓✓
1-Nitropropane					✓✓	✓✓
2-Chloroethanol					✓✓	
2-Nitropropane					✓	
Acetaldehyde 50%			✓✓		✓✓	✓✓
Acetic Acid 30%	✓	✓	✓✓	✓✓	✓✓	
Acetic Acid 84%		✓	✓✓	✓	✓✓	
Acetic Acid, Glacial	✓	✓	✓			✓✓
Acetic Aldehyde					✓✓	✓✓
Acetic Anhydride	✓		✓		✓✓	
Acetic Ester					✓✓	✓✓
Acetone (2-Propanone)					✓✓	✓✓
Acetonitrile			✓		✓✓	✓✓
Acetylene	✓	✓	✓	✓✓		
Acrolein					✓✓	
Acrylamide					✓	
Acrylic Acid	✓	✓	✓		✓✓	✓✓
Acrylonitrile					✓✓	✓✓
Adipic Acid	✓✓	✓✓	✓✓			
Allyl Alcohol		✓✓			✓✓	✓✓
Aluminium Acetate	✓✓	✓	✓			
Aluminium Chloride	✓✓	✓✓	✓✓	✓✓		
Aluminium Fluoride	✓	✓✓	✓✓	✓✓		
Aluminium Hydroxide		✓✓	✓✓	✓✓		
Aluminium Nitrate	✓✓	✓✓	✓✓			
Aluminium Potassium Sulphate	✓✓	✓✓	✓✓	✓✓		
Aluminium Sulphate	✓✓	✓✓	✓✓	✓✓		
Amines	✓		✓		✓✓	
Ammonia, Anhydrous		✓		✓	✓✓	✓✓
Ammonium Acetate	✓	✓✓				
Ammonium Bifluoride		✓✓	✓✓	✓✓		
Ammonium Carbonate	✓✓	✓✓	✓✓	✓✓		
Ammonium Casenite			✓✓			
Ammonium Chloride	✓✓	✓	✓✓	✓✓		
Ammonium Fluoride 30-70%	✓	✓	✓	✓✓		
Ammonium Hydroxide up to 70%		✓	✓✓	✓✓	✓✓	
Ammonium Hydroxide 25%	✓	✓✓	✓✓	✓✓		
Ammonium Nitrate	✓✓	✓✓	✓✓	✓✓	✓✓	
Ammonium Oxalate			✓✓	✓✓		
Ammonium Persulphate	✓✓		✓✓	✓✓		

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Ammonium Phosphate	✓✓	✓✓	✓✓	✓✓		
Ammonium Sulphate	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Ammonium Thiosulphate		✓✓	✓✓			
Amyl Acetate		✓	✓		✓	
Amyl Alcohol		✓	✓	✓✓	✓✓	
Amyl Chloride		✓				
Aniline				✓	✓✓	✓✓
Animal Fats		✓✓	✓	✓✓		
Antimony Trichloride	✓✓			✓✓		
Aqua Regia		✓	✓	✓✓		
Arsenic Acid	✓	✓✓	✓✓	✓✓		
Arsenic Trichloride		✓✓	✓✓			
Asphalt		✓✓		✓		
AZT	✓					
Barium Carbonate	✓✓	✓✓	✓✓	✓✓		
Barium Chloride	✓✓	✓✓	✓✓	✓✓		
Barium Cyanide			✓✓			
Barium Hydroxide	✓✓	✓✓	✓✓	✓✓		
Barium Nitrate		✓✓	✓✓	✓		
Barium Sulphate	✓✓	✓✓	✓✓	✓		
Barium Sulphide	✓✓	✓✓	✓✓	✓✓		
Battery Acid	✓	✓✓	✓	✓✓	✓✓	
Beer	✓✓	✓✓	✓✓	✓✓		
Benzaldehyde	✓		✓		✓✓	
Benzene						✓✓
Benzoic Acid				✓✓		
Benzol			✓			
Benzoyl Chloride						✓✓
Benzyl Alcohol			✓			
Benzyl Chloride	✓	✓✓				
Benzylic Alcohol		✓✓		✓✓		
Bisphenol A		✓✓	✓✓			✓✓
Bleach (Chlorox)		✓	✓	✓✓		
Boric Acid	✓✓	✓✓	✓✓	✓✓		
Brake Fluid		✓✓				
Brine	✓✓		✓✓			
Bromine	✓			✓✓		
Bromoacetonitrile					✓✓	
Bromobenzene						✓✓
Bromopropionic Acid		✓✓	✓✓			✓✓
Bunker Oil		✓✓		✓		
Butane		✓✓	✓✓			
Butter		✓✓	✓			
Butyl Acetate	✓		✓		✓	✓✓
Butyl Alcohol (Butanol)	✓✓	✓✓	✓✓	✓	✓✓	✓✓
Butyl Cellosolve		✓	✓			
Butyl Glycol		✓	✓			✓✓
Butyl Stearate		✓				
Butylene		✓				
Butyraldehyde					✓✓	

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Butyric Acid				✓		
Butyrolactone 99%	✓✓	✓				
Calcium Acetate	✓✓	✓	✓			
Calcium Bisulphate	✓✓	✓✓	✓	✓✓		
Calcium Bisulphide		✓✓	✓✓	✓✓		
Calcium Bisulphite			✓✓	✓		
Calcium Carbonate	✓✓	✓✓	✓✓	✓✓		
Calcium Chlorate	✓✓		✓✓	✓✓		
Calcium Chloride	✓✓	✓✓	✓✓	✓✓		
Calcium Hydroxide	✓✓	✓✓	✓✓	✓✓		
Calcium Hypochlorite		✓	✓	✓✓	✓✓	
Calcium Nitrate	✓✓	✓✓	✓✓			
Calcium Sulphate		✓✓		✓✓		
Calcium Sulphide	✓	✓✓	✓✓			
Calgon		✓✓	✓✓			
Cane Juice	✓✓	✓✓	✓✓	✓✓		
Carbitol		✓	✓			
Carbon Bisulphide						✓✓
Carbon Dichloride		✓✓				
Carbon Disulphide						✓✓
Carbon Tetrachloride		✓				✓
Carbonic Acid	✓✓	✓	✓✓	✓✓		
Castor Oil	✓✓	✓✓	✓✓	✓✓		
Cellosolve (2-Ethoxyethanol)	✓	✓	✓✓			
Cellosolve Acetate	✓		✓	✓	✓✓	
Chlorine	✓✓	✓✓	✓✓	✓	✓✓	
Chlorine (Dry)				✓✓		
Chlorine (Wet)				✓✓	✓✓	✓✓
Chloro Naphthalenes		✓				
Chloroacetic Acid				✓		
Chloroacetone			✓			
Chloroethene		✓				
Chloroform			✓			✓✓
Chloroprene						✓✓
Chocolate Syrup		✓✓	✓✓			
Chromic Acid 10%	✓	✓		✓✓		
Chromic Acid 30%				✓		
Chromic Acid up to 70%		✓		✓	✓✓	
Cisplatin	✓	✓				
Citric Acid	✓✓	✓✓	✓✓	✓	✓✓	
Citric Oils	✓✓	✓✓				
Clove Oil		✓✓				
Cobalt	✓✓	✓✓	✓✓			
Coconut Oil		✓✓	✓			
Cod Liver Oil		✓✓	✓			
Coffee	✓✓	✓✓	✓✓			
Copper Acetate	✓✓	✓	✓			
Copper Chloride	✓✓	✓✓	✓	✓✓		
Copper Cyanide	✓✓	✓✓	✓✓	✓✓		
Copper Fluoroborate	✓✓	✓	✓✓	✓✓		

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Copper Nitrate		✓✓	✓✓	✓		
Copper Sulphate		✓✓	✓✓	✓✓		
Corn Oil		✓✓				
Cottonseed Oil		✓✓	✓✓	✓✓		
Creosol		✓✓		✓		
Creosote (Coal Tar)		✓✓		✓✓		
Cresols			✓	✓	✓✓	
Crude Oil		✓✓		✓✓		✓✓
Cumene		✓✓				
Cutting Oil	✓	✓✓	✓✓			
Cyclohexane		✓✓	✓	✓		✓✓
Cyclohexanol		✓	✓✓	✓	✓	✓✓
Cyclohexanone	✓				✓	✓✓
Denatured Alcohol	✓✓	✓✓	✓✓			
Detergent Solution Non-Hydrocarbon	✓	✓✓	✓	✓✓		
Diacetone Alcohol 99%	✓	✓✓		✓		
Diamine		✓✓				
Dibutyl Phthalate		✓✓	✓		✓	✓✓
Dichloromethane						✓✓
Dicotyl Phthalate (DOP)		✓	✓			
Diesel Fuel		✓✓	✓	✓✓		✓✓
Diethanolamine	✓✓	✓✓				
Diethyl Ether	✓					✓✓
Diethyl Oxide						✓✓
Diethylamine		✓		✓		✓✓
Diethylaminoethanol		✓✓			✓✓	
Diethylene Ether					✓✓	
Diethylene Glycol	✓✓	✓✓	✓✓			
Diethylene Oxide					✓✓	
Diethylenetriamine			✓		✓✓	
Dihydrogen Monoxide	✓✓	✓✓	✓✓			
Di-Isobutyl Ketone 80%		✓		✓	✓	✓✓
Di-Isobutylamine		✓✓				
Dimethyl Acetamide					✓✓	✓
Dimethyl Ether		✓				
Dimethyl Formamide (DMF)	✓		✓		✓✓	✓✓
Dimethyl Ketone					✓✓	✓✓
Dimethyl Mercury						✓✓
Dimethyl Sulphoxide (DMSO)		✓	✓✓		✓✓	✓
Di-N-Amylamine		✓				
Di-N-Butyl Phthalate		✓				
Di-N-Butylamine		✓				
Di-N-Octyl Phthalate		✓✓	✓		✓✓	
Dioxane	✓	✓	✓✓		✓✓	
Dioxyethylene Ether					✓✓	
Dipentene		✓				
Diphenyl (Phenylbenzene)						
Diphenyl Oxide		✓✓				
Divinyl Benzene					✓	✓✓

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Epichlorohydrin					✓✓	
Epoxy Resins	✓✓	✓✓	✓✓		✓✓	
Esters					✓✓	
Ethanol	✓	✓✓	✓✓	✓	✓✓	✓✓
Ethanolamine	✓	✓	✓	✓	✓✓	
Ethyl Acetate	✓				✓	✓✓
Ethyl Alcohol	✓✓	✓	✓✓	✓	✓✓	
Ethyl Aldehyde					✓✓	✓✓
Ethyl Benzene						✓✓
Ethyl Benzoate	✓✓					
Ethyl Cellulose	✓	✓	✓			
Ethyl Chloride		✓✓				
Ethyl Ether						✓✓
Ethyl Formate			✓			
Ethyl Glycol		✓	✓			✓✓
Ethyl Silicate		✓✓	✓✓			
Ethylamine (70% In Water)		✓	✓		✓✓	✓
Ethylene		✓✓				
Ethylene Chlorohydrin	✓		✓			
Ethylene Diamine	✓	✓✓	✓✓			
Ethylene Dichloride (1,2-Dichloroethane)		✓			✓	✓✓
Ethylene Glycol	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Ethylene Oxide				✓	✓	✓✓
Ethylglycol Acetate						✓✓
Fatty Acids				✓		
Ferric Chloride	✓✓	✓✓	✓	✓✓	✓✓	
Ferric Nitrate	✓✓	✓✓	✓✓	✓✓		
Ferric Sulphate	✓✓	✓✓	✓✓	✓✓		
Ferrous Chloride	✓✓	✓✓	✓✓	✓✓		
Ferrous Sulphate	✓✓	✓✓	✓✓	✓✓		
Fertilizers		✓✓		✓✓		
Fish Oil		✓✓				
Fluorides				✓✓		
Fluorine	✓✓			✓✓		
Fluoroboric Acid	✓✓	✓	✓✓	✓✓		
Fluosilic Acid	✓	✓✓	✓	✓✓		
Formaldehyde 35%		✓✓	✓✓	✓		✓✓
Formaldehyde 100%		✓		✓	✓✓	
Formalin Solution		✓✓				
Formic Acid	✓	✓	✓✓	✓	✓✓	
Freon 11		✓	✓			
Freon 113		✓✓	✓✓			
Freon 113 Or Tf		✓✓				
Freon 114	✓✓	✓✓	✓✓			
Freon 12		✓	✓	✓		
Freon 13	✓✓	✓✓	✓✓			
Freon 21		✓✓	✓			
Freon 22	✓	✓	✓✓			
Freon Tf		✓		✓		✓✓

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Fuel Oil		✓		✓✓		
Furan Resin				✓✓		
Furfural			✓	✓	✓✓	✓✓
Gallic Acid	✓✓	✓		✓✓		
Gamma Butyrolactone			✓			✓✓
Gasoline		✓✓	✓			✓✓
Gelatine	✓✓	✓✓	✓✓	✓✓		
Ginger Oil		✓✓	✓✓			
Glucose	✓✓	✓✓	✓✓	✓✓		
Glue PVA	✓	✓✓	✓✓			
Glutaraldehyde <5%	✓✓		✓✓		✓✓	✓✓
Glutaraldehyde 50%	✓		✓✓		✓✓	✓✓
Glycerine	✓✓	✓✓	✓✓	✓✓		
Glycerol	✓	✓✓		✓✓		
Glycols	✓✓	✓✓	✓✓			
Gold Monocyanide		✓✓	✓✓			
Grease		✓		✓✓		
Green Sulphate Liquor	✓	✓	✓			
Heptane (n-Heptane)		✓✓	✓✓	✓✓		✓✓
Hexahydrophenol		✓✓			✓✓	✓✓
Hexamethyldisilazane		✓				✓✓
Hexamethylene		✓			✓	✓✓
Hexanaphthene		✓			✓	✓✓
Hexane		✓✓	✓			✓✓
Hexyl Alcohol	✓✓	✓✓	✓			
Household Detergents	✓	✓✓	✓✓	✓✓		
Hydraulic Oil (Petroleum)		✓✓	✓	✓✓		
Hydraulic Oil (Synthetic)				✓✓		
Hydrazine		✓✓	✓✓	✓✓	✓✓	
Hydrobromic Acid	✓✓			✓		
Hydrochloric Acid ≤37%	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Hydrochloric Acid 37%+	✓	✓✓	✓✓		✓✓	✓✓
Hydrocyanic Acid	✓✓		✓	✓✓		
Hydrofluoric Acid 48%		✓	✓✓	✓	✓✓	✓✓
Hydrofluosilic Acid 20%	✓✓	✓			✓✓	
Hydrogen Fluoride	✓		✓		✓✓	
Hydrogen Peroxide 10%	✓	✓✓	✓✓	✓✓	✓	
Hydrogen Peroxide 30%		✓✓	✓✓	✓✓		✓✓
Hydrogen Peroxide 50%		✓✓	✓✓	✓✓		✓✓
Hydrogen Sulphide (Aqua)				✓		
Hydrogen Sulphide (Dry)	✓✓	✓✓	✓✓	✓✓		
Hydroquinone	✓	✓	✓	✓	✓	
Hydroxyacetic Acid 70%		✓✓	✓✓			
Iodine	✓✓	✓✓		✓✓	✓	
Iodoform				✓✓		
Iodomethane					✓	
Isobutane		✓✓		✓✓		
Isobutyl Acrylate					✓✓	
Isobutyl Alcohol	✓	✓✓	✓✓	✓✓	✓✓	✓✓
Iso-Octane		✓✓	✓			✓✓
Isophorone		✓				✓✓

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Isopropyl Alcohol (Isopropanol)	✓	✓✓	✓	✓✓	✓✓	✓✓
Isopropyl Benzene		✓✓				
Isopropyl Ether		✓		✓		
Jet Fuel <30% Aromatics		✓				
Kerosene		✓✓	✓	✓✓	✓	✓✓
Ketohexamethylene	✓				✓✓	✓✓
Lacquer			✓			
Lactic Acid	✓✓	✓	✓✓	✓	✓✓	
Lard		✓✓		✓✓		
Latex		✓✓				
Lauric Acid	✓	✓✓	✓✓	✓	✓✓	
Lavender Oil		✓				
Lead Acetate	✓✓	✓	✓	✓✓		
Lead Nitrate	✓✓	✓✓	✓✓			
Lead Sulphamate	✓	✓	✓✓	✓✓		
Lime		✓✓	✓✓	✓✓		
Linoleic Acid		✓	✓✓	✓		
Linseed Oil		✓✓	✓✓	✓✓		
Liquefied Petroleum Gas (LPG)		✓✓	✓	✓		
Lubricating Oil	✓	✓✓	✓	✓✓		
Lye	✓	✓	✓			
Magnesium Carbonate		✓✓	✓✓	✓✓		
Magnesium Chloride	✓✓	✓✓	✓✓	✓✓		
Magnesium Hydroxide		✓	✓	✓✓		
Magnesium Nitrate		✓✓	✓✓	✓✓		
Magnesium Oxide		✓✓	✓✓			
Magnesium Sulphate		✓✓	✓✓	✓✓		
Malathion	✓	✓	✓			
Maleic Acid	✓	✓✓	✓✓	✓	✓✓	
Maleic Acid, Aqueous Solution		✓✓	✓✓			✓✓
Malic Acid				✓✓		
Mayonnaise		✓✓				
Mercuric Chloride	✓	✓	✓	✓	✓✓	
Mercuric Chloride (Dilute)	✓✓	✓✓	✓✓	✓✓		
Mercuric Cyanide		✓✓	✓✓	✓		
Mercury	✓✓	✓✓	✓✓	✓	✓✓	
Methacrylic Acid		✓			✓✓	
Methacrylonitrile					✓✓	✓✓
Methenyl Trichloride						✓✓
Methyl Acetate			✓		✓✓	
Methyl Acetone			✓			
Methyl Acrylate	✓					✓✓
Methyl Alcohol (Methanol)	✓	✓	✓✓	✓	✓✓	✓✓
Methyl Benzene						✓✓
Methyl Bromide		✓	✓		✓	
Methyl Butyl Ketone (Propyl Acetone)				✓✓		
Methyl Cellosolve		✓	✓✓	✓		
Methyl Chloride		✓✓	✓	✓✓	✓✓	✓✓
Methyl Chloroform (1,1,1-Trichloroethane)		✓			✓	✓✓

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Methyl Dichloride				✓✓		
Methyl Ethyl Ketone (MEK)			✓		✓	✓✓
Methyl Iodide					✓	
Methyl Isobutyl Ketone					✓	✓✓
Methyl Methacrylate	✓				✓✓	✓✓
Methylamine		✓	✓	✓✓	✓	
Methylamine (40% In Water)		✓✓			✓✓	✓
Methylene Chloride						✓✓
Methyl-T-Butyl Ether		✓✓				✓✓
MIBK					✓	
Milk	✓✓	✓✓	✓✓	✓✓		
Mineral Oil		✓✓	✓✓	✓		✓✓
Mineral Spirits		✓✓	✓			
Molasses	✓✓	✓✓	✓✓	✓✓		
Monochlorobenzene						✓✓
Monoethanolamine	✓	✓✓	✓✓	✓✓	✓✓	✓✓
Monovinyl Acetylene	✓	✓✓	✓			
Morpholine			✓✓	✓	✓✓	✓✓
Mustard	✓		✓	✓		
NN-Dimethylformamide 99%	✓	✓				
Naphthalene		✓✓	✓	✓✓		
Naphthas, Aliphatic		✓✓	✓✓			✓✓
Naphthas, Aromatic		✓	✓			✓✓
Naphthenic Acid		✓				
N-Hexane						✓✓
Nickel Acetate	✓✓	✓	✓			
Nickel Chloride	✓✓	✓✓	✓	✓✓		
Nickel Sulphate	✓	✓✓	✓✓	✓✓		
Nitric Acid <30%		✓	✓✓	✓✓	✓✓	✓✓
Nitric Acid 30-70%		✓	✓	✓	✓✓	✓✓
Nitric Acid 70+ %			✓			
Nitrobenzene		✓			✓✓	✓✓
Nitroethane	✓					
Nitromethane			✓✓		✓✓	
Nitropropane	✓					
Nitrous Acid				✓✓		
N-Methyl-2-Pyrrolidone	✓	✓	✓	✓	✓✓	✓✓
N-Nitrosodiethylamine					✓	
N-Propyl Acetate					✓	✓✓
N-Undecane		✓✓	✓			✓✓
Octane		✓✓				
Octyl Alcohol	✓	✓✓	✓	✓✓	✓✓	✓✓
Oleic Acid		✓✓	✓✓	✓✓	✓	
Olive Oil		✓✓	✓			
Orange Oil		✓✓				
Oxalic Acid	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Oxalic Acid, Aquous Solution		✓✓	✓✓			✓✓
Paint Remover		✓✓	✓			
Palm Oil		✓✓		✓✓		
Palmitic Acid	✓	✓✓	✓✓	✓✓		
Paraffin	✓	✓✓	✓✓	✓✓		

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Peanut Oil		✓✓		✓✓		
Pentachlorophenol		✓✓	✓✓			
Pentane		✓✓	✓	✓✓		
Peppermint Oil		✓				
Peracetic Acid 39%			✓✓			✓✓
Perchloric Acid 60%		✓✓	✓✓	✓	✓	
Perchloroethylene		✓				✓✓
Perchloromethane		✓				✓✓
Peroxyacetic Acid					✓	
Petrolatum		✓✓	✓			
Petroleum		✓✓	✓	✓✓		
Petroleum Ether		✓✓	✓			
Phenol (Carbolic Acid)			✓✓	✓	✓	✓✓
Phenyl Hydrazine	✓✓					
Phenylamine		✓			✓✓	✓✓
Phosphoric Acid		✓✓	✓✓	✓	✓	✓✓
Photo Developer Fixer	✓	✓✓	✓✓	✓		
Phthalic Anhydride		✓	✓✓			
Picric Acid	✓	✓✓	✓	✓✓	✓	
Pimelic Ketone	✓				✓✓	✓✓
Pine Oil (Terpene Alcohol)		✓✓	✓✓	✓		
Piperazine, Aqueous Solution		✓✓	✓✓			✓✓
Polychlorinated Biphenyls (PCBs)			✓✓		✓✓	
Polyvinyl Acetate Emulsion	✓		✓			
Potash	✓	✓✓	✓	✓		
Potassium Acetate		✓	✓			
Potassium Bicarbonate	✓	✓✓	✓✓	✓✓		
Potassium Bromide	✓	✓✓	✓✓	✓✓		
Potassium Carbonate	✓	✓✓	✓✓	✓✓		
Potassium Chlorate	✓		✓✓	✓✓		
Potassium Chloride	✓✓	✓✓	✓✓	✓✓		
Potassium Chromate	✓	✓✓	✓✓	✓✓		
Potassium Cupro Cyanide	✓✓	✓✓	✓✓			
Potassium Cyanide	✓✓	✓✓	✓✓	✓✓	✓✓	
Potassium Dichromate	✓	✓✓	✓✓	✓✓	✓✓	
Potassium Ferrocyanide	✓✓			✓		
Potassium Hydroxide	✓	✓✓	✓✓	✓✓	✓✓	
Potassium Iodide	✓✓	✓✓				
Potassium Nitrate	✓✓	✓✓	✓✓	✓✓		
Potassium Permanganate	✓		✓✓	✓✓		
Potassium Sulphate	✓	✓✓	✓✓	✓✓		
Potassium Sulphide	✓	✓✓	✓✓	✓✓		
Printing Ink	✓✓	✓✓	✓	✓		
Propanol (N-Propyl Alcohol)	✓	✓✓	✓✓	✓		✓✓
Propionitrile						✓✓
Propyl Acetate			✓		✓	✓✓
Propyl Alcohol	✓	✓✓	✓✓	✓	✓✓	
Propylene Glycol (1-Methoxy-2-Propanol)		✓	✓✓		✓	✓✓
Propylene Oxide (1,2-Epoxypropane)					✓	

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
P-Tert-Butyltoluene					✓	✓✓
Pyranol (Transformer Oil)		✓✓	✓			
Pyridine					✓✓	✓✓
Pyrogallic Acid				✓✓		
Rocket Fuels					✓✓	
Sal Ammoniac	✓✓	✓✓	✓✓			
Salicylic Acid	✓✓	✓	✓✓			
Salt Water	✓✓	✓✓	✓✓	✓✓		
Sesame Seed Oil		✓✓		✓✓		
Sewage	✓	✓✓	✓✓			
Silicates				✓✓		
Silicone Greases	✓✓	✓✓	✓✓	✓✓		
Silicone Oils	✓✓	✓✓	✓✓	✓✓		
Silver Nitrate	✓✓	✓	✓✓	✓✓		
Soap Solutions	✓	✓✓	✓	✓✓		
Sodium Acetate	✓✓	✓	✓	✓		
Sodium Aluminate	✓	✓✓	✓✓			
Sodium Bicarbonate	✓✓	✓	✓	✓✓		
Sodium Bisulphate	✓✓	✓		✓✓		
Sodium Bisulphite	✓✓	✓✓	✓✓	✓✓		
Sodium Borate (Borax)	✓✓	✓✓	✓✓			
Sodium Carbonate (Soda Ash)	✓✓	✓✓	✓✓	✓✓		
Sodium Chlorate	✓✓		✓✓	✓✓		
Sodium Chloride (Brine)	✓✓	✓✓	✓✓	✓✓		
Sodium Chromate		✓✓	✓✓			
Sodium Cyanide	✓✓	✓✓	✓✓	✓✓	✓✓	
Sodium Fluoride	✓	✓				
Sodium Hydroxide 20%	✓	✓✓	✓✓	✓✓	✓✓	
Sodium Hydroxide 50%	✓	✓✓	✓✓	✓✓	✓✓	✓✓
Sodium Hypochlorite		✓	✓	✓✓		
Sodium Hypochlorite <20%		✓✓	✓	✓✓		
Sodium Metaphosphate	✓✓	✓✓	✓			
Sodium Metasilicate		✓✓	✓✓	✓✓		
Sodium Nitrate	✓	✓	✓	✓✓		
Sodium Perborate	✓	✓	✓	✓✓		
Sodium Peroxide	✓	✓	✓	✓		
Sodium Phosphate	✓✓	✓✓	✓			
Sodium Polyphosphate	✓✓	✓✓		✓✓		
Sodium Silicate	✓✓	✓✓	✓✓	✓✓		
Sodium Sulphate	✓	✓✓	✓✓	✓✓	✓✓	✓✓
Sodium Sulphide	✓	✓✓	✓✓	✓✓		
Sodium Sulphite	✓	✓✓	✓✓	✓✓		
Sodium Tetraborate		✓✓		✓✓		
Sodium Thiosulphate	✓	✓	✓✓	✓✓	✓✓	
Sorghum		✓✓	✓✓			
Soybean Oil				✓✓		
Stannic Chloride	✓✓	✓✓		✓✓		
Stannic Fluoborate		✓✓	✓✓			
Stannous Chloride	✓✓	✓✓		✓✓		
Starch			✓✓	✓✓		
Stearic Acid		✓	✓	✓		

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Stoddard Solvent		✓✓	✓	✓✓		✓✓
Styrene					✓	✓✓
Sugar (Liquids)	✓✓	✓✓	✓			
Sulphate (Liquor)		✓✓		✓		
Sulphuric Acid 10%		✓	✓	✓✓		
Sulphuric Acid 10-75%	✓	✓		✓✓	✓✓	✓✓
Sulphuric Acid 75+ %	✓	✓	✓✓	✓✓	✓✓	✓✓
Sulphuric Trioxide				✓✓		
Sulphurous Acid			✓	✓✓		
Sulphuryl Chloride				✓✓		
Tallow		✓✓	✓			
Tannic Acid	✓	✓✓	✓	✓✓		
Tar Bituminous		✓		✓✓		
Tartaric Acid		✓✓		✓✓		
Terpinol		✓				
Tertiary Butyl Alcohol	✓	✓	✓			
Tetrachloroethylene		✓				✓✓
Tetrachloromethane		✓				✓✓
Tetraethyl Lead		✓	✓			
Tetrahydrofuran					✓	✓✓
Tetrahydrothiophene						✓✓
Thioglycolic Acid					✓✓	
Thionyl Chloride						✓
Toluene						✓✓
Toluene Diisocyanate		✓			✓✓	✓✓
Transformer Oil		✓✓	✓			
Transmission Fluid		✓✓	✓	✓✓		
Trichlorethylene (TCE)		✓				
Trichloroacetic Acid		✓				
Trichloroethylene						✓✓
Trichloromethane						✓✓
Trichloropropane		✓✓	✓✓			
Tricresyl Phosphate (TCP)		✓✓	✓✓	✓		✓✓
Triethanolamine	✓	✓✓	✓✓	✓	✓✓	✓✓
Triethylamine		✓✓	✓	✓✓		✓✓
Trinitrotoluene			✓			
Tung Oil		✓✓	✓✓	✓		
Turbine Oil		✓✓	✓✓	✓		
Turpentine		✓✓	✓	✓		
Varnish		✓				
Vegetable Oil		✓✓	✓✓	✓		
Vinegar	✓	✓✓	✓	✓✓		
Vinyl Chloride		✓✓			✓	
Vinyl Styrene					✓	✓✓
Whisky, Wines	✓✓	✓✓	✓✓	✓✓		
White Spirit		✓✓				✓✓
Wood Oil		✓✓	✓			
Xylene		✓				✓✓

	Latex	Nitrile	Neoprene	PVC	Butyl	Laminated film
Zinc Chloride	✓✓	✓✓	✓✓	✓✓		
Zinc Hydrosulphite		✓✓	✓✓			
Zinc Sulphate		✓✓	✓✓			

These recommendations given in good faith, based on the best internationally available material. Because actual conditions of use are beyond our control these recommendations are advisory only. The suitability of a product for a specific application must be determined by testing by the user.