

KRITIFLEX® BLACK 6070 (HDPE)

Chemical Resistance Tables

The following symbols are used in this table:

- + Specimen is resistant
- / Specimen has limited resistance only
- Specimen is not resistant
- D Discoloration
- *Or at the boil
- ** Does not hold for welded joints

Substance	Concentration	Behaviour HDPE	
		20 °C	60 °C
Acetaldehyde	Tech. grade	+	/
Acetaldehyde, aqueous	Any	+	/
Acetaldehyde + Acetic acid	90 : 10	+	
Acetamide		+	+
Acetic acid	100%	+	/D
Acetic acid, aqueous	70%	+	+
Acetic acid anhydride	Tech. grade	+	/D
Acetic acid anhydride	Tech. grade	+	/
Acetoacetic acid		+	+*
Acetone	Tech. Grade	+	+*
Acetophenone	Tech. grade	+	+
Acetylene		+	+
Acids, aromatic		+	+
Acronal dispersions	As supplied commercially		
Acrylonitrile	Tech. grade	+	+
Adipic acid, aqueous	Saturated	+	+
Adipic ester		+	/
Air	Tech. grade	+	+
Aktivin (chloramines, aqueous 1%)		+	+
Allyn acetate		+	+to/
Allyn alcohol(2-propenol-1)	96%	+	+
Allyn chloride		/	-
Aluminium chloride, aqueous	Any	+	+
Aluminium chloride, solid		+	+
Aluminium fluoride	Conc.	+	+
Aluminium hydroxide		+	+
Aluminium metaphosphate		+	+
Aluminium sulphate, aqueous	Saturated	+	+
Aluminium sulphate, solid		+	+
Alum, aqueous	Any	+	+
Amino acids 2-aminoethanol (ethanolamine)	Tech. grade	+	+
Ammonia, aqueous	Any	+	+
Ammonia, gaseous		+	+
Ammonia, liquid		+	+
Ammonia water	Any	+	+
Ammonia water		+	+
Ammonium acetate, aqueous	Any	+	+
Ammonium carbonate, aqueous	Any	+	+
Ammonium chloride aqueous	Any	+	+
Ammonium fluoride, aqueous	Saturated	+	+
Ammonium hydrogen Carbonate, aqueous	Saturated	+	+
Ammonium hydrosulphide, aqueous	Any	+	+
Ammonium metaphosphate		+	+
Ammonium nitrate, aqueous	Any	+	+
Ammonium phosphate, aqueous	Any	+	+

Ammonium sulphate, aqueous	Any	+	+
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Substance	Concentration	Behaviour HDPE	
Ammonium sulphide, aqueous	Any	+	+
Ammonium thiocyanate		+	+
Amyl acetate	Tech. grade	+	+
Amyl alcohol (C5 alcohols)	Tech. grade	+	+
Amyl chloride	100%	/	-
Amyl phthalate		+	/
Aniline	Any	+	+
Aniline hydrochloride, aqueous	Any	+	+
Animal oils		+	/
Aniseed		/	/to-
Aniseed oil		/	-
Anon (cyclohexanone)		/	/
Anthraquinone sulphonic acid, aqueous (susp.)		/	+
Antifreeze (automotive)	As supplied commercially	+	+
Antimony chloride, Anhydrous		+	+
Antimony pentachloride		+	+
Antimony trichloride		+	+
Amyl acetate	Tech. grade	+	+
Aqua regia (HCl + HNO3)		-	
Aromatic oils		/	-
Arsenic acid, aqueous	Any	+	+
Arsenic acid, anhydride		+	+
Ascorbic acid		+	+
Asphalt		+	/D
Aspirin		+	+
Barium hydroxide, aqueous	Any	+	+
Barium salts, aqueous	Any	+	+
Battery acid		+	+
Beater glue (animal glue)	As supplied	+	+
Beef tallow		+	+to/l
Beer		+	+
Beer sugar colouring	As supplied commercially	+	+
Beeswax		+	/to-
Benzaldehyde, aqueous	Any	+	+to/
Benzaldehyde in isopropyl alcohol	1%	+	+
Benzene	Tech. grade	/	-
Benzene sulphonic acid		+	+
Benzoic acid, aqueous	Any	+	+
(sp?)Benzoyl chloride		/	/
Benzyl alcohol		+	+
Benzyl chloride		/	-
Bichromate-Sulphuric acid	Conc.	-	-
Bismuth salts		+	+
Bisulphite liquor		+	+
Bitumen		+	/D
Bleaching solution containing 12.5% Active chlorine**		/	-
Bone oil		+	+
Borax (sodium Tetraborate),	Saturated	+	+
Boric acid, aqueous	Any	+	+
Boron trifluoride		+	+to/
Brake fluid		+	+
Brandy		+	+
Brandy		+	+
Bromic acid	Conc.	-	-
Bromine, liquid	100%	-	-
Bromine, vapours		-	-
Bromine, water	Cold saturated	+	/
1.3-butadiene, gaseous	Tech. grade	/	-
Butanediol, aqueous	Any	+	+
Butanediol, aqueous	Any	+	+
Butane, gaseous		+	+
Butanol, aqueous	Any	+	+
Butanone		+	/to-
2-butenediol-1.4	Tech. grade	+	+
2-Butynediol-1.4	Tech. grade	+	+
Butoxyl (methoxybutylacetate)		+/	/

Butter		+	+
Butylene glycol	Tech. grade	+	+
Substance	Concentration	Behaviour HDPE	
Butylene (butene), liquid	Tech. grade	/	
Butyl acetate		+	/
Butyl acetate	Tech. grade	+	/
Butyl acrylate		+	/
Butyl alcohol		+	+
Butyl benzyl phthalate		+	+
Butyl phenol	Tech. grade	+	+
Butyl phenone	Tech. Grade	-	
Butyl phthalate (dibutyl phthalate)	Tech. grade	+	/
Butyric acid, aqueous	a	+	/
Calcium carbide		+	+
Calcium carbonate		+	+
Calcium chlorate, aqueous	Saturated	+	+
Calcium chloride, aqueous	Saturated	+	+
Calcium hydroxide		+	+
Calcium hypochlorite, aqueous (suspension)	Any	+	+
Calcium nitrate, aqueous	50%	+	+
Calcium oxide (powder)		+	+
Calcium phosphate		+	+
Calcium sulphate		+	+
Calcium sulphide, aqueous	< 10%	/	/
Camphor		+	/
Camphor		+	/
Camphor oil		-	-
Cane sugar, aqueous	Any	+	+
Carbazole		+	+
Carbolic acid (phenol)		+	+D
Cabolineum	As supplied commercially	+	+
Carbolineum, aqueous (for fruit trees)		+D	/D
Carbonic acid, aqueous	Any	+	+
Carbonic acid, dry	100%	+	+
Carbon dioxide	100%	+	+
Carbon disulphide		/	/
Carbon monoxide, Gaseous	Tech. grade	+	+
Caster oil		+	+
Caustic soda solution		+	+
Cetyl alcohol (hexadecanol)		+	+
Chloral hydrate, aqueous	Any	+	+D
Chloral(trichloroacetaldehyde)	Tech. grade	+	+
Chloramines, aqueous	Saturated	+	+
Chloric acid, aqueous	10%	+	+
Chloric acid, aqueous	1%	+	+
Chloric acid, aqueous	20%	+	-
Chlorinated lime		+	+
Chlorine, aqueous solution (chlorine water)	Saturated	+	/
Chlorine, gaseous, dry		/	-
Chlorine, gaseous, moist		/	-
Chlorine, liquid		-	-
Chlorine bleaching Solution with 12.5% Active chlorine**		/	-
Chloroacetic acid, aqueous	< 85%	+	+
Chloroacetic acid (mono), aqueous	Any	+	+
Chlorobenzene		/	-
Chloroformic acid ester		+	/
Chloroform	Tech. grade	/to	-
Chlomethyl bromide		-	-
Chloropicrin		+to/	-
Chlorosulphonic acid	Tech. grade	-	-
Chrome alum (potassium Chromic sulphate), aqueous	Saturated	+	+
Chrome anode slime		+	+
Chrome salts, aqueous	Any	+	+
Chromic acid, aqueous**	50%	/	-D
Chromilium trioxide, aqueous**	50%	/	-D
Chromsulphuric acid		-	-
Cider		+	+
Citric acid, aqueous	Saturated	+	+
Citrus fruit juices		+	+
Citrus juices		+	+

Clophen A50 and A60		+	/to-
Substance	Concentration	Behaviour HDPE	
Coal tar oil		+D	/
Coconut oil		+	+
Coconut oil, alcohol	Tech. grade	+	/
Cod liver oil		+	/
Coffee extract		+	+
Cognac		+	+
Cola concentrates		+	+
Common salts, aqueous	Any	+	+
Coolants and lubricants for metalworking Hoechst		/	/
Copper chloride, aqueous saturated	Saturated	+	+
Copper cyanide, aqueous saturated	Saturated	+	+
Copper fluoride, aqueous saturated	Saturated	+	+
Copper nitrate, aqueous	30%	+	+
Copper salts, aqueous	Cold saturated	+	+
Copper sulphate, aqueous	Any	+	+
Corn oil		+	/
Cottonseed oil	Tech. grade	+	+
Coumarone resin		+	+
Creosote		+	+D
Cresol	100%	+	/D
Cresol, aqueous	Dilute	+	+D
Crotonaldehyde	Tech. grade	+	/
Crude oil		+	/
Cyclanone (fatty alcohol sulphate)	As supplied commercially	+	+
Cyclohexane		+	+
Cyclohexanol		+	+
Cyclohexanol (Anon)		+	/
Decahydronaphtalene (Dekalin)	Tech. grade	+	/
Defoamers		+	+to/
Detergents		+	+
Detergents, synthetic	End use Conc.	+	+
Developer solution (photographic)		+D	+D
Dextrin (starch gum), Aqueous	18%	+	+
Dextrose		+	+
Dextrose, aqueous	Any	+	+
1.2-Diaminoethane (ethylenediamine)	Tech. grade	+	+
1.2-Dibromoethane		/	-
Dibutyl ether		+to/	-
Dibutyl phthalate (butyl phthalate)	Tech. grade	+	/
Dibutyl sebacate		+	/
Dichloroacetic acid	Tech. grade	+	/D
Dichloroacetic acid	50%	+	+
Dichloroacetic acid Methyl ester		+	+
Dichlorobenzene		/	-
Dichlorodiphenyltrichloroethane (DDT, powder)		+	+
Dichloroethane		/	/
1.1-Dichloroethylene (vinylidene chloride)	Tech. grade	-	-
Dichloropropane		/	-
Dichloropropane		/	-
Diesel fuel		+	/
Diethanolamine	Tech. grade	+	+
Diethylene glycol		+	+
2-Diethylhexylphthalate (DOP)		+	/
Diethylketone		+	/
Diethyl ether		+to/	/*
Diglycolic acid, aqueous	30%	+	+
Dihexyl phthalate	Tech. grade	+	/
Disobutylketone	Tech. grade	+	/to-
Diisooctyl phthalate	Tech. grade	+	/
Diisopropyl ether		+to/	-
Dimethylamine		+	/
Dimethyl formamide	Tech. grade	+	+to/
Dimethyl sulphoxide		+	+

Substance	Concentration	Behaviour HDPE	
Dinonyl phthalate (DNP)	Tech. grade	+	/
Diocetyl phthalate		+	/
Dioxane		+	+
Diphenylamine		+	/
Diphenyl oxide		+	/
Disodium phosphate		+	+
Disodium sulphate		+	+
Dodecylbenzenesulphonic Acid		+	/
Drinking water, also chlorinated		+	+
Dyes		+D	+D
Eau de Javelle (potassium Hypochloride bleaching solution)		+to/	-
Eau de Labarraque(sodium Hypochlorite bleaching solution)		+to/	*to/
Electrolytic baths for Electroplanting		+to/	/
Emulsifiers		+	+
Emulsions (photographic)		+	+
Ephetin, aqueous	10%	+	+
Epichlorohydrin		+	+
Esters, aliphatic	Tech. grade	+	+to/
Ethane		+	+
Ethanolamine (2-aminoethanol)	Tech. grade	+	+
Ethanol	96%	+	+
Ethanol, denatured with toluene 96% (v/v) + Ethereal oils		/	-
Ether		+to/	/*
Ethylenediamine Tetra-acetic acid		+	+
Ethylene		+	+
Ethylene chlorohydrin		+	+D
Ethylene chlorohydrin (chloroethanol)	Tech. grade	+	+
Ethylene diamine (1.2-diaminoethane)	Tech. grade	+	+
Ethylene dibromide	Tech. grade	/	-
Ethylene dichloride (dichloroethane)		/	-
Ethylene glycol		+	+
Ethylene glycol Monobutyl ether	Tech. Grade	+	+
Ethylene glycol monobutyl ether (butyl glycol)	Tech. Grade	+	+
Ethylene oxide, gaseous		+	+
Ethyl acetate		+	/
Ethyl alcohol		+	+
Ethyl alcohol	96%	+	+
Ethyl alcohol + acetic acid (fermentation mixture)	As used in production	+	+
Ethyl benzene	Tech. grade	/	/
Ethyl chloride	Tech. grade	/	-
Ethyl chloride (chloroethane)	Tech. grade	/*	-
Ethyl ether	Tech. grade	+to/	/*
Ethyl ether (diethyl ether)		+to/	/*
Euron B		/	/
Euron G		+	+
Fatty acid (C6)		+	+to/
Fatty acid amides		+	/
Fatty alcohols		+	/
Ferric alum (terrific Ammonium sulphate), Aqueous	Saturated	+	+
Ferric ammonium Sulphate, aqueous	Saturated	+	+
Ferric chloride, aqueous	Any	+	+
Ferric chloride, aqueous	Saturated		+
Ferric nitrate, aqueous	Saturated	+	+
Ferric sulphate, aqueous	Saturated	+	+
Ferrous chloride, aqueous	Saturated	+	+
Ferrous sulphate, aqueous	Saturated	+	+
Fertilizer salts, aqueous	Any	+	+
Fixing salt, aqueous	Any	+	+
Fixing salt, solid		+	+
Fluorine, gaseous		-	-
Fluoroboric acid, aqueous		+	/

Substance	Concentration	Behaviour HDPE	
Fluorosilicic acid	Any	+	+
Fluorosilicic acid, aqueous	Any	+	+
Formaldehyde, aqueous	Up to 40%	+	+
Formamide		+	+
Formic acid, aqueous	10%	+	+
Formic acid, aqueous	85%	+	+
Frigen 12 (Freon 12) Fructose (fruit sugar), aqueous	100%any	/+	-+
Fruit juices	Any	+	+
Fruit juices, fermented		+	+
Fruit juices, unfermented	Any	+	+
Fruit pulp		+	+
Fuel oil		+	/
Fuming sulphuric acid (H2SO4 = SO3)	Any	-	-
Furfurol		+	/
Furfuryl alcohol		+	+D
Gas manufactured	As supplied commercially	+	+
Gas natural	Tech. grade	+	+
Gelatin		+	+
Genantin		+	+
Gin		+	+
Glacial acetic acid (100% acetic acid)	Tech. grade	+	/D
Glauber's salt, aqueous	Any	+	+
Glucose, aqueous	Any	+	+
Glue		+	+
Glycerin, aqueous	Any	+	+
Glycerin, chlorohydrin		+	+
Glycerine (aminoacetic acid)		+	+
Glycolic acid, aqueous	Up to 70%	+	+
Glycolic acid butyl ester		+	+
Glycol, aqueous	As supplied commercially	+	+
Glystantin		+	+
Grisiron 8302		/	/
Grisiron 8702		+	+
Halothan		/	/to-
Heptane		+	/
Hexafluorosilicic acid, aqueous	40%	+	+
Hexane		+	/
Hexanetriol		+	+
Honey		+	+
Hydraulic fluid		+	/
Hydrazine hydrate		+	+
Hydrobromic acid, aqueous	50%	+	+
Hydrochloric acid, aqueous	Any	+	+
Hydrocyanic acid		+	+
Hydrofluoric acid, aqueous	40-85%	+	/
Hydrogen		+	+
Hydrogen bromide, gaseous	Tech. grade	+	+
Hydrogen chloride gas, dry and moist		+	+
Hydrogen peroxide, aqueous	10%	/	-
Hydrogen peroxide, aqueous	30%	/	-
Hydrogen sulphide, aqueous	Saturated	+	+
Hydrogen sulphide, gaseous		+	+
Hydroquinone		+D	+D
Hydroxylamine sulphate, 12% aqueous	12%	+	+
Hypochlorous acid		+	/
Hyposulphite, aqueous	Up to 10%	+	+
Iodine in potassium Iodide solution 3% iodine		+	+
Iodine tincture, DAB 6	As supplied commercially	+	/D
Isoamyl alcohol	Tech. grade	+	/
Isobutyl alcohol (isobutanol)		+	+
Isobutyric acid	Tech. grade	+	/
Isooctane		+	/
Isopropanol	Tech. grade	+	+
Isopropyl acetate	100%	+	/
Isopropyl ether	Tech. grade	+to/	-
i-Propanol (i-propylalcohol)		+	+
Kerosene		+	/

Substance	Concentration	Behaviour HDPE	
Kerosine		+	/
Ketones		+to/	/to-
Lactic acid, aqueous	Any	+	+
Lactose (milk sugar)		+	+
Lanolin (wool fat)		+	+
Latex		+	+
Lead acetate, aqueous	Any	+	+
Lead tetraethyl		+	+
Lime		+	+
Lime water		+	+
Linseed oil	Tech. grade	+	+
Liqueur		+	+
Liquid manure		+	+
Liquid soap		+	+
Lithium bromide		+	+
Lubricating oils	Tech. grade	+	+to/
Lysol		+	/
Machine oil		+	/
Magnesium carbonate		+	+
Magnesium chloride, aqueous	Any	+	+
Magnesium fluorosilicate		+	+
Magnesium hydroxide		+	+
Magnesium iodide	Any	+	+
Magnesium salts, aqueous	Any	+	+
Magnesium sulphate, aqueous	Any	+	+
Magnesium sulphate (Epsom salts), aqueous	Up to 100%	+	+
Maleic acid, aqueous		+	+
Malic acid, aqueous	50%	+	+
Manganese sulphate		+	+
Margarine		+	+
Mash	As supplied	+	+
Mayonnaise		+	+
Menthol		+	/
Mercury		+	+
Mercury chloride		+	+
Mercury salts		+	+
Metal soaps		+	+
Methacrylic acid		+	+
Methanol	Tech. grade	+	+
Methoxybutanol		+	/
Methoxybutyl acetate (Butoxyl)		+	/
Methylamine, aqueous	32%	+	+
2-Methylbutanol-2	Tech. grade	+	/
Methylene chloride** (dichloromethane)		/	/*
Methylisobutyl ketone		+	/to
Methyl acetate	Tech. grade	+	+
Methyl acetate (acetic acid methyl ester)	Tech. grade	+	+
Methyl acrylate		+	+
Methyl alcohol		+	+
Methyl benzene		/	-
Methyl benzoic acid (toluyl (? Sp)acid)	Saturated	/	
Methyl bromide, gaseous	Tech. Grade	-	-
Methyl bromide (bromo-methane), gaseous	Tech. grade	-	-
Methyl chloride, gaseous	Tech. grade	/	-
Methyl chloride (chloromethane), gaseous	Tech. grade	/	-
Methyl cyclohexane		/	/to
Methyl ethyl ketone	Tech. grade	+	/
Methol Methyl? glycol		+	+
Methyl methacrylate		+	+
4-methyl pentanol-2		+	+to/D
Methyl propyl ketone		+	/
n-Methyl pyrrolidone		+	+
Methyl salicylate (salicylic Acid methyl ester)		+	/
Methyl sulphuric acid	50%	+	+
Milk		+	+
Mineral oil Without		+	+to/
Mineral water		+	+

Substance	Concentration	Behaviour HDPE	
Molasses		+	+
Molasses Wort		+	+
Monochloroacetic acid		+	+
Monochloroacetic acid Ethyl ester		+	+
Monochloroacetic acid Methyl ester		+	+
Monochlorobenzene		/	-
(sp?)Mordants, methallic		+	
Morpholine		+	+
Motor oil (heavy duty oil)		+	+to/l
Mowilith(?) emulsions		+	+
Must		+	+
Nail varnish remover		+	/
Naphthalene		+	/
Naphtha		+	/
Naphtha	Tech. grade	+	/
Naphthabenzene mixture 80/20	80/20	+	/
Nickel chloride		+	+
Nickel nitrate		+	+
Nickel salts, aqueous	Any	+	+
Nickel sulphate, aqueous		+	+
Nicotine	<10%	+	+
Nicotinic acid	Any	+	+
Nitric acid**	25%	+	+
Nitric acid**	50%	/	-
2,2',2''-Nitrilotriethanol (triethanolamine), aqueous		+/	+
Nitrobenzene		+	/
Nitrocellulose		+	+
o-Nitroluene		+	/
Nonyl alcohol (nonanol)		+	+
Nut oil		+	+
Octyl cresol	Tech. grade	/	-
Oils, ethereal		/	-
Oils, vegetables and animal		+	/
Oleic acid		+	/
Olive oil		+	+
Optical brighteners		+	+
Orange juice		+	+
Oxalic acid, aqueous	Any	+	+
Oxygen		+	+
Ozone	50 ppm	/	-
Palmitic acid		+	+
Palityl alcohol		+	+
Palm nut oil		+	+
Paraffin, liquid		+	+
Paraffin emulsions	As supplied commercially	+	/
Paraformaldehyde		+	+
Peanut oil	Tech. grade	+	+
Pentanol		+	+
Peppermint oil		+	+
Perchloric acid, aqueous	20%	+	+
Perchloric acid, aqueous	50%	+	/
Perchloric acid, aqueous	70%	+	-
Perchloroethylene		/	-
Petroleum ether		+	/
Petrol, regular-grade (D/N 51635)		+	/
Phenolic resin moulding compounds		+	+
Phenol		+	+D
Phenol (carbolic acid)		+	+D
Phenyl ethyl alcohol		+	+
Phenyl hydrazine	Tech. grade	/	/to-
Phenyl hydrazine Hydrochloride		+	-
Phenyl sulphonate (sodium dodecylbenzene sulphonate)		+	+
Phosgene, gaseous		/	/
Phosgene, liquid	100%	-	-
Phosphates, aqueous	Any	+	+
Phosphoric acid, aqueous	50%	+	+
Phosphoric acid, aqueous	80%-.95%	+	/D
Phosphoric oxychloride		+	/

Substance	Concentration	Behaviour HDPE	
Phosphoric pentoxide	100%	+	+
Phosphoric trichloride		+	/
Photographic developers		+D	+D
Photographic emulsions	As supplied commercially	+	+
Photographic fixing baths	As supplied commercially	+	+
Phthalic acid, aqueous	50%	+	+
Phthalic acid dibutyl ester (dibutyl phthalate)	Tech. grade	+	/
Phthalic acid ester		+	+to/
Picric acid, aqueous	1%	+	+
Pineapple juice		+	+
Pine needle oil		+	+
Plant protection agents, aqueous	As supplied commercially	+	+
Plasticizers		+	/
Polyacrylic acid emulsions		+	+
Polyester plasticizers		+	+to/
Polyester resins		/	-
Polyglycols		+	+
Polysolvan O (glycolic Acid butyl ester)		+	+
Potassium aluminium sulphate, aqueous	Any	+	+
Potassium bicarbonate, aqueous	Saturated	+	+
Potassium bichromate, aqueous	Any	+	+
Potassium bisulphate, aqueous	Saturated	+	+
Potassium bisulphite, aqueous	Saturated	+	+
Potassium borate, aqueous	1%	+	+
Potassium bromate, aqueous	Up to 10%	+	+
Potassium bromide, aqueous	Any	+	+
Potassium carbonate, aqueous	Any	+	+
Potassium chlorate, aqueous	Any	+	+
Potassium chloride, aqueous	Any	+	+
Potassium chromate, aqueous	40%	+	+
Potassium chromic sulphate (chrome alum), aqueous	Saturated	+	+
Potassium cyanide, aqueous	Any	+	+
Potassium dichromate, aqueous	Saturated	+	+
Potassium ferricyanide, aqueous	Any	+	+
Potassium ferricyanide And ferrocyanide	Any	+	+
Potassium fluoride, aqueous	Any	+	+
Potassium hexacyano-ferrate, aqueous	Any	+	+
Potassium hydrogen Carbonate, aqueous	Saturated	+	+
Potassium hydrogen sulphate, aqueous	Saturated	+	+
Potassium hydrogen sulphite, aqueous	Saturated	+	+
Potassium hydroxide		+	+
Potassium hydroxide, aqueous	Any	+	+
Potassium hydroxide solution	50%	+	+
Potassium hypochlorite, aqueous	Saturated	+	+
Potassium iodide, aqueous	Any	+	+
Potassium nitrate, aqueous	Any	+	+
Potassium perborate		+	+
Potassium perchlorate, Aqueous	Up to 10%	+	/
Potassium perchlorate, aqueous	1%	+	+
Potassiumpermanganate		+	+
Potassiumpermanganate, aqueous	Up to 6%	+	+D
Potassium persulphate, aqueous	Any	+	+

Substance	Concentration	Behaviour HDPE	
Potassium phosphate, aqueous	Saturated	+	+
Potassium sulphate, aqueous	Any	+	+
Potassium sulphide, Aqueous	Saturated	+	+
Potassium sulphite, aqueous	Saturated	+	+
Potassium tetracyanocuprate, aqueous	Saturated	+	+
Potassium thriosphate, aqueous	Saturated	+	+
Propane, gaseous	Tech. grade	+	+
Propanol (propyl alcohol)		+	+
i-Propanol (i-propyl alcohol)		+	+
n-Propanol (n-propyl alcohol)		+	+
Propargyl alcohol, aqueous	7%	+	+
Propionic acid, aqueous	Any	+	+
Propylene dichloride	100%	-	-
Propylene glycol		+	+
Propylene oxide		+	+
Pseudocumene		/	/
Pyridine		+	/
Release agents		+	+
Roasting gases, dry	Any	+	+
Rubber dispersions (latex)		+	+
Sagrotan		+	/
Salicylic acid		+	+
Salt brines Saturated		+	+
Saturated steam Condensate		+	+
Sauerkraut (pickled cabbage)		+	+
Sea water		+	+
Silicic acid, aqueous	Any	+	+
Silicone emulsion	As supplied commercially	+	+
Silicone oil Technical		+	+
Silver nitrate		+	+
Silver nitrate, aqueous	Any	+	+
Silver salts, aqueous	Cold saturated	+	+
Soap solution, aqueous	Any	+	+
Soda (sodium carbonate), aqueous	Any	+	+
Sodium acetate, aqueous	Any	+	+
Sodium aluminium sulphate		+	+
Sodium benzoate, aqueous	Saturated	+	+
Sodium bicarbonate, aqueous	Saturated	+	+
Sodium bisulphate, aqueous	Saturated	+	+
Sodium bisulphate, aqueous		+	+
Sodium borate		+	+
Sodium bromide		+	+
Sodium carbonate, aqueous	Any	+	+
Sodium chlorate, aqueous	Saturated	+	+
Sodium chloride, aqueous	Any	+	+
Sodium chlorite, aqueous	50%	+	+
Sodium chromate		+	+
Sodium cyanide		+	+
Sodium dichromate		+	+
Sodium dodecylbenzene-Sulphonate		+	+
Sodium ferricyanide		+	+
Sodium fluoride		+	+
Sodium hexacyanoferrate(iii)(sodium ferricyanide), aqueous		+	+
Sodium hexacyanoferrate(ii)		+	+
Sodium hexametaphosphate, aqueous	Saturated	+	+
Sodium hydrogen carbonate, aqueous		+	+
Sodium hydrogen sulphate, aqueous	Saturated	+	+
Sodium hydrogen sulphite, aqueous	Saturated	+	+
Sodium hydroxide		+	+
Sodium hydroxide, aqueous	Any	+	+
Sodium hydroxide, solid		+	+
Sodium hypchlorite, aqueous with 12.5% active chlorine		/	-
Sodium nitrate, aqueous	Any	+	+
Sodium nitrite, aqueous	Any	+	+

Substance	Concentration	Behaviour HDPE	
Sodium perborate, aqueous	Any	+	/
Sodium perchlorate, aqueous	Any	+	+
Sodium peroxide, aqueous	Saturated	/	
Sodium peroxide, aqueous	10%	+	+
Sodium phosphate, aqueous	Saturated	+	+
Sodium silicate		+	+
Sodium silicate, aqueous	Any	+	+
Sodium sulphate, aqueous	Cold saturated	+	+
Sodium sulphide	Saturated	+	+
Sodium sulphite, aqueous	40%	+	+
Sodium tetraborate (borax), aqueous	Saturated	+	+
Sodium thiosulphate, aqueous	Saturated	+	+
Soft soap		+	+
Soya bean oil		+	+
Spermaceti		+	/
Spindle oil		+to/	/
Spirits		+	+
Stain remover		+to/	/
Stannic chloride, aqueous	Saturated	+	+
Stannous chloride, aqueous	Any	+	+
Starch, aqueous	Any	+	+
Starch gum (dextrin), aqueous	18%	+	+
Starch syrup		+	+
Stearic acid		+	/
Styrene		/	-
Succinic acid, aqueous	50%	+	+
Sugar beet juice		+	+
Sugar syrup		+	+
Sulphates, aqueous solutions	Any	+	+
Sulphuric acid, aqueous	Up to 50%	+	+
Sulphuric acid, aqueous	70%	+	+
Sulphuric acid, aqueous	80%	+	+
Sulphuric acid, aqueous	98%	/1)	-
Sulphur		+	+
Sulphurous acid		+	+
Sulphuryl chloride (sulphonyl chloride)	Tech. Grade		-
Sulphur dioxide, aqueous	Any	+	+
Sulphur dioxide, gaseous		+	+
Sulphur trioxide		-	-
Tallow	Tech. grade	+	+
Tannic acid (tannin), aqueous	10%	+	+
Tanning extract, vegetables	As supplied	+	+
Tannin (tannic acid), aqueous	10%	+	+
Tartaric acid, aqueous	Any	+	+
Tetrabromomethane		/to-	-
Tetrachloroethane		/to-	-
Tetrachloroethylene			
Tetrachloromethane (carbon tetrachloride)	Tech. grade	/to-	-
Tetrahydrofuran	Tech. grade	/to-	-
Tetrahydronaphtalene (tetralin)	Tech. grade	+	-
Thioglycolic acid		+	+
Thionyl chloride		-	-
Thiophene		/	-
Toluene	Tech. grade	/	-
Toluic acids (methyl Benzoic acids)	Saturated	/	/
Tomato juice		+	+
Transformer oil	Tech. grade	+	/
Tributyl phosphate		+	+
Trichloroacetaldehyde (chloral)	Tech. grade	+	+
Trichloroacetic acid	Tech. grade	+	/to-
Trichloroacetic acid, aqueous	50%	-	-
Trichlorobenzene		-	-
Trichloroethylene	Tech. grade	+to/	-
Tricresyl phosphate		+	+
Triethanolamine		+	+D
Triethanolamine(2,2'2"-nitrilotriethanol), aqueous	s	+	/
Triethylene glycol		+	+
Trilon		+	+

Substance	Concentration	Behaviour HDPE	
Trimethylol propane, aqueous		+	+
Trimethyl borate		+	/to-
Trioctyl phosphate		+	/
Trisodium phosphate		+	+
Tri-chloroethylphosphate		+	+
Turpentine oil	Tech. grade	+to/	/
Tutogen U		+	+
Tween 20 and 80		+	-
Two-stroke oil		+	/
Urea, aqueous	Up to 33%	+	+
Uric acid		+	+
Urine		+	+
Vaseline	Tech. grade	+to/	/
Vaseline oil	Tech. grade	+to/	/
Vinegar (wine vinegar)	As supplied commercially	+	+
Vinylidene chloride (1.1-dichloroethylene)	Tech. grade	-	-
Vinyl acetate		+	+
Viscose spinning solutions		+	+
Vitamin C		+	+
Vitamin preparations, dry (powder)		+	+
Walnut oil		+	/
Washing up liquids Usual		+	+
Waste gases containing carbonic acid derivatives	Any	+	+
Waste gases containing carbon dioxide	Any	+	+
Waste gases containing carbon monoxide	Any	+	+
Waste gases containing hydrochloric acid	Any	+	+
Waste gases containing hydrogen fluoride	Trace	+	+
Waste gases containing nitrose	Trace	+	+
Waste gases containing SO 2	Low	+	+
Waste gases containing sulphuric acid (moist)	Any	+	+
Waste gases containing Sulphur trioxide (fuming sulphuric acid)	Trace	-	
Water, distilled		+	+
Waxes		+	+to/
Wax alcohols	Tech. Grade	/	/
Whey		+	+
Whiskey		+	+
White spirits	Tech. Grade	+	/
Wine		+	+
Wine vinegar (table vinegar)	As supplied commercially	+	+
Wood stains End use concentration		+	+to/
Xylene		/	-
Yeast		+	+
Zinc carbonate		+	+
Zinc chloride, aqueous	Any	+	+
Zinc oxide		+	+
Zinc salts, aqueous	Any	+	+
Zinc sludge		+	+
Zinc stearate		+	+
Zinc sulphate, aqueous	Any	+	+

*88,25 parts water, 10 parts sodium perchlorate, 1 part sodium hydroxide, 0,25 parts aniline, 0,25 parts manochlorobenzene, 0,25parts toluenediamine.