NOTE: For applications not shown, consult Vanton Pumps Ltd.

KEY:
A = EXCELLENT
B = FAIR (REFER TO VANTON)
C = NOT GOOD
* = PREFERRED MATERIAL
- = NO INFORMATION

	BODY BLOCK					FLEX-I-LINER				
CHEMICAL SUBSTANCE	POLYETHYLENE	POLYPROPYLENE	TEFLON®/RULON®	NEOPRENE®	NATURAL RUBBER	BUNA-N®	NORDEL®	BUTYL	VITON®	HYPALON®
Acetaldehyde CH_3-CHOC	C	C	A	C	C	C	A	C	C	B
Acetamide CH_3CONH_2	-	A	A	C	C	C	A	C	A	A*
Acetic Acid CH_3 COOH 20%	A	A	A	B	C	B	A*	A	C	A
Acetic Acid CH_3 COOH 20%-80%	B	B	A	A	C	B	A	A	C	A
Acetic Acid Glacial 100%	C	B	A	B	C	C	B	A*	C	C
Acetic Anhydnde $(CH\text{-}CO)_2O$	C	B	A	A	-	A	A*	-	C	A
Acetone CH_3-CO-CH_3	C	A	A	B	B	C	A*	A	C	B
Acetyl Chloride CH_3COCl	C	B	A	-	-	-	A	-	-	-
Acrylonitrile CH_2-CH-CN (Vinyl Cyanide)	C	C	A	C	C	C	A*	C	C	C
Adipic Acid HOOC-$(CH_2)_4$-COOH	A	A	A	-	-	-	B	-	A*	-
Allyl Alcohol H_2C=CH-CH_2-OH	A	A	A	A*	A	B	C	C	A	A
Alodene (Amchem) Inhibitor	A	B	A	A	C	A	B	A	A	A*
Alum	A	A	A	A	A*	A	A	A	A	A
Aluminium Chloride $AlCl_3$	A	A	A	A	A*	A	A	A	A	A
Aluminium Fluoride AlF_3	A	A	A	A	A*	A	-	A	A	A
Aluminium Nitrate Al $(NO_3)_3$	A	A	A	A	A*	A	-	-	A	A
Aluminium Potassium Sulphate	A	A	A	A*	-	-	-	-	A	A
Aluminium Sulphate $Al_2(SO_4)_3$	A	A	A	A	A*	A	A	A	A	A
Ammonium Acetate CH_3COONH_4	A	A	A	A*	C	A	A	B	A	A
Ammonium Bifluoride NH_4FHF	A	A	A	A	C	C	A*	A	A	A
Ammonium Carbonate $(NH_4)_2CO_3$	A	A	A	A	A*	A	A	A	A	A
Ammonium Chloride NH_4Cl	A	A	A	A*	A	-	A	A	A	A
Ammonium Fluoride	A	A	A	A*	A	A	A	A	A	A
Ammonium Hydroxide	A	A	A	A	C	C	A*	A	A	A
Ammonium Metaphosphate	A	A	A	A	A*	A	A	A	A	A
Ammonium Nitrate NH_4NO_3	A	A	A	A	A*	A	A	A	A	A
Ammonium Oxalate	A	A	A	A	A*	-	A	-	-	A
Ammonium Persulphate $(NH_4)_2S_2O_8$	A	A	A	A	-	-	A*	-	A	A
Ammonium Phosphate $NH_4H_2PO_4$	A	A	A	A	A*	A	A	A	A	A
Ammonium Sulphate $(NH_4)_2SO_4$	A	A	A	A*	-	-	A	A	A	A
Ammonium Sulphide $(NH_4)_2S$	A	A	A	A	-	-	A*	-	A	-
Ammonium Thiocyanate	A	A	A	-	-	-	-	-	-	-
Amy Acetate $CH_3(CH_2)_4OOCCH_3$	C	C	A	C	C	C	C	C	C	C
Amyl Alcohol (normal) $CH_3(CH_2)_3$-CH_2-OH	A	A	A	A*	A	A	A	A	A	A

Amyl Chloride $C_5H_{11}Cl$	C	C	A	-	-	-	-	-	A	C
Aniline NH_2	C	C	A	C	C	C	A	A	A	B
Anthraquinone	C	C	A	-	-	-	B	-	-	-
Antimony Trichloride $SbCl_3$ (check solvent)	A	A	A	B	-	-	-	A*	B	B
Aqua Regia (75% HCl, 25% HNO_3)	C	C	A	C	C	C	C	C	A*	B
Arsenic Acid H_3ASO_4	B	A	A	A	A	-	-	A*	A	-
Barium Carbonate Ba_2CO_3	A	A	A	A*	A	A	A	A	A	A
Barium Chloride $BaCl_2$	A	A	A	A*	A	A	A	A	A	A
Barium Hydroxide $Ba(OH)_2$	A	A	A	A*	A	A	A	A	A	A
Barium Nitrate $Ba(NO_3)_2$	A	A	A	A*	A	-	A	A	A	A
Barium Sulphate $BaSO_4$	A	A	A	A	A	-	A	A	A	A
Barium Sulphide BaS	A	A	A	A	A*	-	A	A	A	A
Beer	A	A	A	A	A*	C	-	A	A	A
Beet Sugar Liquor	A	A	A	A	A*	A	C	A	A	A
Benzaldehyde C_6H_5CHO	C	C	A	C	C	C	B	C	C	C
Benzene C_6H_5	C	C	A	C	C	C	C	C	B	C
Benzyl Chloride $C_6H_5CH_2Cl$	-	A	A	C	C	C	-	-	B	C
Bipco Grease	A	A	A	A*	C	-	-	C	A	A
Black Liquor	A	A	A	A*	A	A	-	A	-	A
Bleach (12.5%)Cl_2	-	A	A	A	C	C	A*	C	C	B
Blood	A	A	-	A*	A	-	-	-	-	-
Borax $Na_2B_4O_7$	A	A	A	A*	A	-	A	A	A	A
Boric Acid H_3BO_3	A	A	A	A*	A	A	A	A	A	A
Boron Trichloride	C	A	A	-	-	-	A*	-	A	-
Boron Trifluoride	C	A	A	-	-	-	-	-	A*	-
Brass Plating Solution	-	A	A	A*	-	-	A	-	A	A
Bright Nickel	-	A	A	A	A*	A	A	A	A	A
Bromic Acid $HBRO_3$	A	C	A	-	-	-	A	-	A*	-
Bromine (wet)	C	C	A	C	C	C	-	C	A*	C
Bromine Water	C	C	A	C	C	C	-	C	A*	C
Butyl Acetate $CH_3COOCH_2CH_2CH_2CH_3$	C	B	A	-	-	B	-	C	C	C
Butyl Alcohol	B	A	A	A*	A	A	A	A	A	A
Butylene	B	B	A	-	-	-	-	-	A	-
Butyric Acid	C	C	A	C	C	-	C	-	B	C
Calcium Bisulphide $Ca(HS)_2$	C	C	A	C	C	C	A	-	A	C
Calcium Bisulphite $Ca(HSO_3)_2$	A	A	A	A	A*	A	A	A	A	A
Calcium Carbonate$CaCO_3$	A	A	A	A	A*	A	A	-	A	A
Calcium Chlorate $Ca(ClO_3)_2$	A	A	A	A	A*	A	A	A	A	A
Calcium Chloride $CaCl_2$	A	A	A	A	A*	A	A	A	A	A
Calcium Hydroxide $Ca(OH)_2$	A	A	A	A	A*	A	A	A	A	A
Calcium Hypochlorite $Ca(OCl)_2$	A	A	A	C	C	C	A	A	B	A
Calcium Nitrate $Ca(NO_3)_2$	A	A	A	A	A*	A	A	-	-	A

Calcium Oxide CaO (Lime)	A	A	A	A	A*	A	A	-	A	A
Calcium Sulphate $CaSO_4$	A	A	A	A	A*	A	A	-	A	A
Cane Sugar Liquors	A	A	A	A	A*	A	A	A	A	A
Caprylic Acid $C_7H_{15}COOH$	-	-	A	-	-	-	-	-	-	-
Carbolic Acid C_6H_5OH (Phenol)	B	B	A	C	C	C	C		A*	C
Carbon Dioxide CO_2	A	A	A	A*	A	A	A	A	A	A
Carbon Disulphide CS_2 (Carbon Bisulphide)	C	C	A	C	C	C	C	C	A*	C
Carbonic Acid H_2CO_3	A	A	A	A*	A	-	C	-	A	A
Carbon Tetrachloride CCl_4	C	C	A	C	C	C	C	C	A*	C
Caustic Potash	A	A	A	A*	A	A	A	A	C	A
Caustic Soda NaOH	A	A	A	A*	A	A	A	A	C	A
Chlorine Water	C	A	A	C	C	C	C	C	A	B
Chloro-Acetic Acid $ClCH_2COOH$	C	C	A	C	C	C	B	C	A	A
Chlorobenzene C_6H_5Cl	C	C	A	C	C	C	C	C	A*	C
Chloro-Benzyl Chloride $ClC_6H_5CH_2Cl$	C	C	A	C	C	C	C	C	A*	C
Chloro-Butadiene	-	C	A	-	-	-	-	-	A	-
Chloroform $CHCl_3$	C	C	A	C	C	C	C	C	B	C
Chlorosulphonic Acid $ClSO_3H$	C	C	A	C	C	C	C	C	C	-
Chlorothene (Dow)	-	-	A	C	C	-	-	C	-	-
Chlorox 5.5% Cl_2	-	A	A	A	C	C	A*	C	C	A
Chrome Alum $KCr(SO_4)_2$	A	A	A	A	A*	A	A	A	A	A
Chrome Plating Solution	B	B	A	B	C	C	A	C	A	A*
Chromic Acid CrO_3+H_2O 1O%-40%	B	B	A	C	C	C	A	C	A	A*
Citric Acid	A	A	A	A*	A	C	A	A	A	A
Cresol HO-C_6H_4-CH_3	-	C	A	-	-	-	-	-	-	-
Cresylic Acid	-	C	-	-	-	-	-	-	A	-
Cupric Carbonate $CuCO_3$	A	A	-	A	A*	A	A	C	A	A
Cupric Chloride $CuCl_2$	A	A	A	A*	A	A	A	A	A	A
Cupric Cyanide $Cu(CN)_2$	A	A	A	A*	A	A	A	A	A	-
Cupric Fluoride CuF	A	A	A	A*	A	A	A	C	A	A
Cupric Nitrate $Cu(NO_3)_2$	A	A	A	A*	A	A	A	A	A	A
Cupric Sulphate $CuSO_4$	A	A	A	A*	A	A	A	A	A	A
Cuprous Ammonium	A	A	A	A*	-	-	A	-	A	-
Cycohexane C_6H_{12}	C	C	A	C	C	C	C	C	A*	C
Cycohexanol $C_6H_{12}OH$	C	C	A	C	C	C	C	C	A*	A
Cyclohexanone	C	C	A	C	C	C	C	C	C	C
Dextrin (Starch)	A	A	A	A	A*	-	-	-	A	-
Dextrose	A	A	A	A	A*	A	A	-	A	A
Diacetone Alcohol CH_3-CO-$CH_3(CH_3)_2$	C	C	A	C	C	C	-	-	C	A*
Diazo Salts	A	A	A	A	A*	-	-	-	A	A
Dibutyl Phthalate	C	C	A	C	C	C	A*	-	C	B
Dichlorobenzene $C_6H_4Cl_2$	-	A	A	C	-	-	-	-	A	C

Dichlorobenzyl Chloride	A	A	A	C	C	-	-	-	A*	C
Dichlorocthane $C_2H_4Cl_2$	C	B	A	C	C	C	-	-	-	C
Diesel Fuels	-	-	A	A	-	-	A	-	A*	A
Diethylamine $(C_2H_5)_2NH$	-	A	A	C	C	C	A*	C	A	C
Diethyl Benzene	B	B	A	C	C	C	C	C	A*	C
Diethyl Cellosolve	-	-	A	-	-	-	B	-	-	-
Diethylene Glycol	A	A	A	A	A	A	A	A	A	-
Diethylene Triamine	-	C	A	-	-	-	A*	-	A	-
Di-isobutylene	-	A	A	-	-	-	A	-	A	-
Di-isobutyl Ketone	-	-	A	C	C	C	A	-	B	B
Dimethyl Amine $(CH_3)_2NH$	C	C	A	C	C	C	A*	-	A	C
Dimethyl Aniline	-	-	A	C	C	C	C	-	-	-
Dimethyl Sulphate	-	B	A	C	-	C	-	A*	C	B
Dioetyl Sebacate	C	B	A	C	-	-	A*	-	B	C
Ethyl Acetate CH_3COOCH_2-CH_3	B	A*	A	C	C	-	B	-	C	C
Ethyl Acrylate	A	A	A	C	C	C	C	C	C	C
Ethyl Alcohol (Ethanol) CH_3-CH_2-OH	-	A	A	A	A	A	A	A	A	A
Ethyl Chloride CH_3-CH_2Cl	-	-	A	B	B	C	-	A*	A	B
Ethylene Bromide $C_2H_4BR_2$ (Dibromoethane)	C	C	A	-	-	-	-	-	A	-
Ethylene Chloride $ClCH_2$-CH_2-Cl	C	C	A	-	-	-	-	-	A	-
Ethylene Dichloride ClC_2H_4Cl (Dichloroethane) 1,2	-	C	A	C	-	-	A	C	B	C
Ethylene Glycol HO-CH_2-CH_2-OH	A	A	A	A*	A	A	A	A	A	A
Ethylene Oxide CH_2-CH_2(O)	C	C	A	C	C	C	A*	-	C	C
Ethylene Trichloride	-	-	A	C	C	C	C	C	C	C
Ethyl Hexyl Acrylate	A	A	A	C	C	C	-	C	C	C
Fatty Acids	A	A	A	A	-	A*	A	-	A	-
Ferric Chloride $FeCl_3$	A	A	A	A*	A	C	A	A	A	A
Ferric Hydroxide $Fe(OH)_3$	-	A	A	A*	A	-	A	-	-	A
Ferric Nitrate $Fe(NO_3)_3$	A	A	A	A*	A	A	A	-	A	A
Ferric Sulphate $Fe_2(SO_4)_3$	A	A	A	A*	A	A	A	A	A	A
Ferrous Chloride $FeCl_2$	A	A	A	A*	A	-	A	A	A	A
Ferrous Hydroxide $Fe(OH)_2$	A	A	A	A*	A	-	A	-	A	-
Ferrous Nitrate $Fe(NO_3)_2$	A	A	A	A*	A	-	A	-	A	A
Ferrous Sulphate $FeSO_4$	A	A	A	A*	A	-	A	A	A	A
Fish Solubles	A	A	A	A*	A	-	A	-	C	-
Fluboric Acid HBF_4	A	A	A	A*	A	-	A	-	-	A
Fluorine F_2	C	C	A	-	-	-	-	-	-	-
Formaldehyde HCHO-40%	-	A	A	A*	A	A	C	A	A	A
Formic Acid HCOOH	A	A	A	A*	C	C	A	C	C	A
Freon 11,12,22,113,114,Neo. swells excessively	-	A	A	B*	C	A	A	C	A*	C
Fructose	A	A	A	A	A	A	A	A	A	A
Fruit Juice	A	A	A	A*	C	C	A	A	A	A

Furane C_4H_4O	-	-	A	C	C	C	C	-	C	-
Gasoline	C	C	A	C	-	A	C	-	A*	C
Gelatin	A	A	-	A	A*	A	A	A	A	A
Glaze Siurry (Ceramic) M-best by test	A	A	A	A	A*	A	A	-	-	-
Glucose $C_6H_{12}O_6$	A	A	A	A*	A	A	A	A	A	A
Glycerol $C_3H_8O_3$	A	A	A	A*	A	A	A	-	A	A
Gold Plating Solution	A	A	A	A*	A	-	A	-	A	A
Green Liquor	A	A	A	A*	B	-	A	-	A	A
Heptane C_7H_{16}	C	C	A	B	A	A	C	-	A	A
Hexane C_6H_{14}	C	C	A	A*	A	-	C	-	A	A
Hexanol $C_6H_{13}OH$	B	A	A	A*	A	-	B	-	A	A
Hydriodic Acid HI	C	C	A	-	-	-	-	-	A	-
Hydrobromic Acid HBr	B	A	A	B	C	C	A	A*	A	A
Hydrochloric Acid Hcl to 36%	A	A	A	A	-	-	A	A	A	A*
Hydrofluoric Acid 40% HF	A	A	A	A	-	-	-	A	A	A*
Hydrofluoric Acid 70% HF	-	A	A	C	-	-	-	A	A*	B
Hydrofluoric Acid 100% anhydrous	C	B	A	C	C	C	C	-	C	A*
Hydrofluosilicic Acid H_2SiF_6 (sand acid)	B	B	A	A	A	-	A	-	A	A*
Hydrogen Chloride (wet) HCl	A	A	A	-	-	-	-	-	A	-
Hydrogen Peroxide H_2O_2 80% 120°F max P&PY	A	C	A	B	C	C	A	-	A	A*
Hydrogen Peroxide H_2O_2 90% Room temp.	B	C	A	C	C	C	A	-	A*	B
Hydrogen Sulphide H_2S	A	A	A	A*	C	C	A	A	A	A
Hypochlorous Acid HOCl	C	A	A	A	-	-	A	-	A	A
Hypo,Sodium Thiousulphate	-	A	A	A*	-	A	A	-	A	A
Iodine Solution	C	C	A	C	C	C	C	C	A*	C
Iodoform CHI_3	C	C	A	C	C	C	C	C	A*	C
Iso-octane $(CH_3)_3$-C-CH_2-CH-$(CH_3)_2$	-	A	A	A*	-	-	A	-	A	A
Isopropyl Alcohol $(CH_3)_2$-CH.OH (Isopropanol)	A	A	A	A*	A	A	A	-	A	A
Isopropyl Ether $(CH_3)_2$-CH-O-CH-	A	A	A	C	C	C	B	C	C	C
Jet Fuel JP-4	-	C	A	C	C	C	C	C	A*	C
Jet Fuel JP-5	-	C	k	C	C	C	C	C	A*	C
Kerosene	C	C	A	C	C	A	C	C	A*	C
Ketchup	A	A	A	A	A*	-	A	-	-	-
Kraft Liquor	C	A	A	-	-	-	-	-	A*	A
Lacquers	-	-	A	-	-	-	-	-	-	-
Lactic Acid CH_3CHOH-COOH	A	A	A	A*	-	-	B	A	A	A
Lauric Acid	C	A	A	A	-	-	-	-	A	-
Lauryl Chloride	C	C	A	A*	-	-	A	-	A	A
Lead Acetate $Pb(CH_3COO)_3$	A	A	A	C	-	-	A	-	A	C
Lime Slurry	A	A	A	A	A*	-	-	-	-	
Linoleic Acid	C	A	A	-	-	-	-	-	A	-
Lithium Chloride LiCl	A	A	A	A	A*	A	A	A	A	A
Lithium Hydroxide LiOH	A	A	A	A	A*	A	A	-	A	A

Magnesium Ammonium Sulphate	A	A	A	A	A*	A	A	-	A	A
Magnesium Carbonate $MgCO_3$	A	A	A	A	A	A	A	A	A	A
Magnesium Chloride $MgCl_2$	A	A	A	A	A*	A	A	A	A	A
Magnesium Fluoride MgF_2	A	A	A	A	A*	A	A	A	A	A
Magnesium Hydroxide $Mg(OH)_2$ (Milk of Magnesia)	A	A	A	A	A*	A	A	A	A	A
Magnesium Nitrate $Mg(NO_3)_2$	A	A	A	A	A*	A	A	A	A	A
Magnesium Oxychloride $Mg_3(OCl)_2$	A	A	A	A	A*	A	A	-	A	A
Magnesium Sulphate $MgSO_4$	A	A	A	A	A*	A	A	A	A	A
Maleic Acid $COOHCH_2COOH$	A	A	A	-	-	-	A	-	A	A
Manganese Salts	A	A	A	A	A*	A	A	A	A	A
Mayonnaise	-	A	A	A*	A	-	-	-	-	-
Mercuric Chloride HgCl (20%)	A	-	A	C	C	C	A*	B	B	B
Mercuric Nitrate	A	A	A	A	A	A	A*	A	A	A
Mercuric Sulphate	A	A	A	A	A	A	A*	A	A	A
Mercurous Chloride $HgCl_2$	A	A	A	A	A	-	A*	-	A	A
Mercurous Nitrate $Hg_2(NO_3)_2$	A	A	A	A	A	A	A*	A	A	A
Mercury (fulminate of)	-	A	A	A	A	-	-	-	-	-
Mercury Hg	A	A	A	A*	A	-	A	-	A	A
Methyl Acetate CH_3COOCH_3	-	A	A	C	C	A*	C	C	C	C
Methyl Acrylate	A	A	A	C	C	C	C	C	C	C
Methyl Alcohol CH_3OH (Methanol)	A	A	A	A*	A	A	A	A	B	A
Methyl Bromide CH_3Br	-	C	A	C	C	C	B	-	-	-
Methyl Chloride CH_3Cl	-	C	A	C	C	C	B	C	A	C
Methyl Chloroform CH_3CHl_3	-	B	A	C	C	C	C	C	A	C
Methyl Amine CH_3NH_2	A	A	A	C	C	-	A	-	A*	C
Methyl Ethyl Ketone $CH_3COC_2H_5$	C	C	A	C	C	C	A*	B	C	C
Methyl Formate	-	-	A	A*	-	A	-	-	C	-
Methyl-isobutyl Ketone	C	B	A	C	C	C	A	A	C	C
Methyl Methacrylate Monomer 180°F	-	-	A	-	-	-	A	-	-	-
Methyl Salicylate	-	-	A	C	C	C	C	C	A	C
Milk	A	A	A	A*	A	A	-	A	-	-
Mine Water Acid	A	A	A	A*	A	A	A	A	A	A
Molasses	A	A	-	A*	A	-	-	-	-	-
Muriatic Acid (Hydrochloric Acid) HCl	A	A	A	A	-	-	A	A	A	A*
Mustard	A	A	-	A*	A	-	-	-	-	-
Naptha	C	C	A	C	C	B	C	C	A*	C
Napthalene $ClOH_8$	C	C	A	C	C	C	C	C	B	C
Nickel Chloride $NiCl_2$	A	A	A	A*	A	A	A	A	A	A
Nickel Nitrate $Ni(NO_3)_2$	A	A	A	A*	A	A	A	A	A	A
Nickel Plating Solution	A	A	A	A*	A	-	A	A	A	A
Nickel Sulphate $NiSO_4$	A	A	A	A*	A	A	A	A	A	A
Nicotine	A	A	A	A*	-	-	A	-	A	A

Nicotinic Acid (Naicin)	A	A	A	A*	-	-	A	-	A	A
Nitric Acid HNO_3 to 30%	C	A	A	C	C	C	A	A	A	A*
Nitric Acid 30%-60%	C	C	A	C	C	C	C	C	A*	C
Nitric Acid 70%	-	C	A	C	C	C	C	C	A*	C
Nitrobenzene NO_2	C	B	A	C	C	C	A*	C	C	C
Nitroethane CH_3-NO_2	-	A	A	C	C	C	A*	C	C	C
Oils										
Castor	A	A	A	A*	B	B	B	A	A	A
Coconut	-	A	A	A*	-	A	C	-	-	A
Cod Liver	A	A	A	A*	-	A	A	C	A	C
Corn	A	A	A	C	-	A*	-	A	A	-
Cottonseed	A	A	A	A	A	A*	A	A	A	A
Cresote	C	C	A	C	C	B	C	C	A*	C
Crude	C	C	A	C	C	B	C	C	A*	C
Fuel	-	C	A	A	C	A	C	C	A	A
Furfural (Ant Oil)	-	-	A	C	C	C	C	-	C	-
Hydraulic	-	C	A	A*	-	A	-	-	A	A
Lard	C	B	A	C	-	-	-	-	-	C
Lemon	-	B	A	A*	-	A	B	-	A	A
Linseed	C	A	A	A	C	A*	A	A	A	A
Lubricating	-	-	A	C	C	A*	C	C	A	B
Mineral	C	C	A	A	-	A*	-	-	A	-
Olive	C	-	A	C	C	A*	C	-	A	A*
Rosin	-	A	A	A*	-	-	A	-	A	A
Sae 10	A	A	A	C	C	A*	C	C	A	C
Silicone	A	A	A	A	A*	A	A	A	A	A
Tall	C	C	A	C	C	C	C	C	A	B
Tung	A	A	A	A*	C	A	B	C	A	A
Oleic Acid $C_{17}H_{33}COOH$	A	B	A	B	-	A	B	A*	B	B
Oleum H_2SO_4+SO_3	C	C	A	C	C	C	C	-	A*	C
Oxalic Acid COOH-COOH (solution)	A	B	A	-	-	-	B	-	A	A*
Perchlorethylene C_2H_2+C_{14}	C	C	A	C	C	C	C	C	A*	C
Perchloric Acid 10% $HClO_4$	-	C	A	C	C	C	-	C	A*	C
Perchloric Acid 73.6%	C	C	A	C	C	C	-	C	A*	-
Phenol C_6H_5+OH	C	C	A	C	C	C	C	C	A*	C
Phosphoric Acid H_3PO_4-Neoprene (ambient only)	B	A	A	A	-	-	A	A	A	A*
Phosphorous Trichloride PCl_3	-	C	A	C	-	C	A*	C	A	C
Phosphorous Trifluoride	-	-	A	C	-	C	A*	C	A	C
Photographic Solutions	A	A	A	A*	A	-	A	-	A	A
Picric Acid $C_6H_2(NO_2)_3OH$ (solutions only)	B	B	A	A*	A	A	C	A	A	A
Plating Solutions										
Brass	A	A	A	A*	C	C	A	A	A	A
Cadmium	A	A	A	A	C	C	A	A	A	A
Chrome	B	B	A	B	C	C	A	A	A	A*

Copper	A	A	A	A*	C	C	A	A	A	A
Gold	A	A	A	A*	C	C	A	A	A	A
Nickel	A	A	A	A*	C	C	A	A	A	A
Rhodium	A	A	A	A*	C	C	A	A	A	A
Platinum	A	A	A	A*	C	C	A	A	A	A
Silver	A	A	A	A*	C	C	A	A	A	A
Tin	A	A	A	A*	C	C	A	A	A	A
Zinc	A	A	A	A*	C	C	A	A	A	A
Polyvinyl Acetate	C	C	A	A	-	-	A	C	C	A
Polyvinyl Butyrate	-	A	A	-	-	-	A*	C	C	A
Potassium Aluminum Sulphate K_2SO_4-$Al_2(SO_4)_3I_2H_2O$	A	A	A	A*	C	C	A	A	A	A
Potassium Bicarbonate $KHCO_3$	A	A	A	A*	A	A	A	A	A	A
Potassium Bichromate $K_2Cr_2O_7$	A	A	A	A*	A	A	A	A	A	A
Potassium Borate K_3BO_3	A	A	A	A*	A	A	A	A	A	A
Potassium Bromate $KBrO_3$	A	A	A	A*	A	A	A	A	A	A
Potassium Bromide KBr	A	A	A	A	A	A	A	A	A	A
Potassium Carbonate K_2CO_3	A	A	A	A*	A	A	A	A	A	A
Potassium Chlorate $KClO_3$	-	A	A	A	A	A	A	A	A	A
Potassium Chloride KCl	A	A	A	A*	A	A	A	A	A	A
Potassium Chromate K_2CrO_4	A	A	A	A*	A	A	A	-	A	A
Potassium Cyanide KCN	A	A	A	A*	A	A	A	-	A	A
Potassium Dichromate	A	A	A	A*	A	A	A	-	A	A
Potassium Ferricyanide $K_3Fe(CN)_6$	A	A	A	A*	-	-	A	-	A	A
Potassium Ferrocyanide	A	A	A	A*	-	-	A	-	A	A
Potassium Fluoride KF	A	A	A	A*	A	A	A	A	A	A
Potassium Hydroxide KOH	A	A	A	A	C	C	A	-	A	A
Potassium Hypochlorite KOCl	A	A	A	B	-	-	A*	-	C	B
Potassium Nitrate KNO_3	A	A	A	A*	A	A	A	A	A	A
Potassium Permanganite $KMnO_4$	A	A	A	A*	A	A	A	-	A	A
Potassium Sulphate K_2SO_4	A	A	A	A*	A	A	A	-	A	A
Potassium Sulphide K_2S	A	A	A	-	-	-	A*	-	A	A
Propanol C_3H_7OH	-	A	A	A	-	-	A	A	A	A
Propylene Dichloride $ClCH_2CH_2CH_2Cl$	-	C	A	C	-	-	-	-	A	C
Propylene Oxide CH_2-CH-(O)-CH_3	-	-	A	C	-	-	A	-	C	C
Propyl Nitrate $C_3H_7NO_2$	-	-	A	-	-	-	-	-	C	C
Quinone $CO(CHCH)_2CO$	-	-	A	-	-	-	A	-	C	C
Racemic Acid $C_2H_4O2(COOH)_2H_2O$	A	A	A	A	-	-	A	-	A	A
Radium Chloride $RACl_2$	A	A	A	A*	C	C	A	C	A	A
Resorcinol $C_6H_4(OH)_2$	C	C	A	C	C	C	C	C	A*	C
Rhodium Chloride $RhCl_3$	A	A	A	A*	A	A	A	-	A	A
Rohene (Amchem) Inhibitor	A	B	A	B	A	A	-	A	A	A
Sea Water H_2O	A	A	A	A*	A	A	A	-	A	A

Silicic Acid	A	A	A	A	-	A	A	A	A	A
Silicone Oxide (Silica)	A	A	A	A	A*	-	A	-	B	B
Silver (Collodial)	A	A	A	A*	A	A	A	A	A	A
Silver Acetate CH_3COOAg	A	A	A	A	C	C	A	A	A	A
Silver Chloride	A	A	A	A*	A	A	A	-	A	A
Silver Nitrate Ag NO_3	A	A	A	A*	A	A	A	A	A	A
Skydrol	-	-	-	C	C	C	A*	C	C	C
Soap Solutions	A	A	A	A*	A	A	A	A	A	A
Sodium Acetate CH_3COON_2	A	A	A	B	C	C	A*	C	C	A
Sodium Benzoate COONA	A	A	A	A*	C	C	A	A	A	A
Sodium Bicarbonate $NaHO_3$	A	A	A	A*	A	A	A	A	A	A
Sodium Bisulphate $NaHSO_4$	A	A	A	A*	A	A	A	A	A	A
Sodium Bisulphite $NaHSO_3$	A	A	A	A*	A	A	A	A	A	A
Sodium Borate $Na_2B_4O_7H_2O$	A	A	A	A*	A	A	A	A	A	A
Sodium Bromate $NaBrO_3$	A	A	A	B	C	C	A*	C	A	A
Sodium Bromide NaBr	A	A	A	A*	A	A	A	A	A	A
Sodium Bromite $NaOBN_2$	A	A	A	B	C	C	A*	C	A	A
Sodium Carbonate $NaCO_3$ Soda Ash	A	A	A	A*	A	A	A	A	A	A
Sodium Chlorate $NaClO_3$	A	A	A	A*	C	C	A	A	A	A
Sodium Chloride NaCl (Common Salt) (Brine)	A	A	A	A*	A	A	A	A	A	A
Sodium Chlorite $NaClO_2$	-	A	A	C	C	C	A*	C	A	A
Sodium Cyanide NaCN	A	A	A	A*	A	A	A	A	A	A
Sodium Dichromate $Na_2Cr_2O_7$	A	A	A	B	A	A	A	A	A	A*
Sodium Disulphide Na_2S	A	A	A	A*	A	A	A	A	A	A
Sodium Ferricyanide	A	A	A	A*	A	A	A	A	A	A
Sodium Ferrocyanide $Na_4Fe(CN)_6$	A	A	A	A*	A	C	A	A	A	A
Sodium Fluoborate $NaBF_4$	-	A	A	A*	C	C	A	C	A	A
Sodium Fluoride NaF	A	A	A	A*	A	A	A	A	A	A
Sodium Hydroxide NaOH CaustiC	A	A	A	A*	A	A	A	A	C	A
Sodium Hypochlorite NaOCl (all concentrations bleach)	A	A	A	B	C	C	A*	C	B	A
Sodium Iodide NaI	A	A	A	A*	A	A	A	A	A	A
Sodium Nitrate $NaNO_3$	A	A	A	A*	A	A	A	A	A	A
Sodium Nitrate $NaNO_2$	A	A	A	A*	A	A	A	A	A	A
Sodium Oxalate $Na_2C_2O_4$	A	A	A	A*	A	A	A	A	A	A
Sodium Perborate $NaBO_3$	A	A	A	A*	A	A	A	A	A	A
Sodium Perchlorate $NaClO_4$	-	A	A	C	C	C	A	-	A*	A
Sodium Peroxide Na_2O_2	-	A	A	A*	C	C	A	-	A	A
Sodium Silica $NaSiO_3$	A	A	A	A	A*	A	A	A	A	A
Sodium Sulphate Na_2SO_4	A	A	A	A*	A	A	A	A	A	A
Sodium Sulphide Na_2S	A	A	A	A*	C	C	A	A	A	A
Sodium Sulphite Na_2SO_3	A	A	A	A*	A	A	A	A	A	A

Sodium Thiosulphate $Na_2S_2O_3$	A	A	A	A*	A	A	A	A	A	A
Sodium Uranate Na_2UO_4	A	A	A	A*	A	A	A	C	A	A
Stannic Chloride $SNCl_4$	A	A	A	A*	A	A	A	C	A	B
Stannous Chloride $SNCl_2$	A	A	A	A	C	C	A*	C	A	A
Stearic Acid $C_{17}H_{35}COOH$	A	A	A	B	C	C	B	A*	A	B
Sulphamic Acid HSO_3NH_2	A	A	A	B	C	C	C	C	A*	A
Sulphite Waste Liquor	A	A	A	A*	A	A	A	A	A	A
Sulphuric Acid H_2SO_4 0-50%	A	A	A	A*	C	C	C	A	A	A
Sulphuric Acid 50%-85%	C	A	A	C	C	C	C	C	A	A
Sulphuric Acid 85%-96%	C	C	A*	C	C	C	C	C	A	B
Sulphuric Acid 20% Oleum(115%)	C	C	A	C	C	C	C	C	A*	B
Sulphurous Acid H_2SO_3	A	A	A	C	C	C	C	C	A	A*
Tannic Acid	A	A	A	A*	A	C	C	C	A	A
Tartaric Acid HOOC-CH-(OH)-CH-(OH)-COOH	A	A	A	A*	A	C	C	C	A	A
Titanium Dioxide TiO_2	A	A	A	A*	A	-	A	-	-	-
Titanium Tetrachloride $TiCl_2$	C	B	A	B	B	C	B	-	A	A
Toluene (Toluol) CH_3	C	C	A	C	C	C	C	C	C	C
Tomato Juice	A	A	A	A*	A	C	A	C	C	C
Tributyl Phosphate $(C_4H_9)_3PO_4$	C	A	A	C	C	C	C	C	C	C
Trichloracetic Acid Cl_3C-COOH	C	A	A	C	C	C	A*	C	C	C
Trichloroethylene Cl_2C=CHCl 100°F/38°C Max	C	C	A	C	C	C	C	C	A*	-
Tricresyl Phosphate	C	A	A	C	C	C	A*	C	A	C
Triethanolamine $N(CH_2\text{-}CH_2\text{-}OH)_3$	C	C	A	A*	C	C	A	C	C	A
Trimethyl Amine	C	C	A	A	C	C	A*	A	C	A
Trisodium Phosphate	A	A	A	A*	A	A	A	A	A	A
Turpentine	C	B	A	C	C	C	C	C	A*	C
Uranium Chloride	A	A	A	A	A	A*	A	A	A	A
Uranium Oxide UO_2	A	A	A	A	A*	A	A	C	A	A
Urea H_2N-CO-NH_2	A	A	A	A	C	C	A*	A	C	A
Vinegar	A	A	A	A*	A	C	A	C	A	A
Water Demineralized	A	A	A	B	A	A	A*	A	A	A
Water Distilled H_2O	A	A	A	B	A	A	A*	A	A	A
Water Salt	A	A	A	A*	A	A	A	A	A	A
Whiskey	A	A	A	A*	A	C	A	C	A	A
White Spirit	-	-	A	-	-	A	-	-	A	-
Wines	A	A	A	A*	A	-	A	C	A	A
Xylene CH_3-CH_3	C	C	A	C	C	C	C	C	A	C
Zinc Chloride $ZnCl_2$	A	A	A	A	A	A	A	A	A	A
Zinc Nitrate $ZNNO_3$	A	A	A	A	A*	A	A	A	A	A
Zinc Sulphate $Zn(SO_4)_2$	A	A	A	A	A*	A	A	A	A	A