

Chemicals Available at Kam High (as of June 2004)

Notes: "CODE" refers to the storage code for each chemical:

G = GREY = general storage

B = BLUE = toxic

Y = YELLOW = oxidizing agents and reactive substances

R = RED = flammable or highly reactive with water

W = special storage (for example acids)

CG = compressed gases

Ind = keep on Indicators shelf (assumed to be part of GREY storage)

"DISP" refers to Flinn Scientific disposal codes (see below). Each school is required to have and keep the Flinn Scientific catalog to be able to reference the safety materials & disposal information.

NOTE: "vent, 26a" means "vent the gas in a fume hood"

The disposal methods are listed at the end of the main table. Consult the Flinn Scientific catalog for details (All secondary schools are required to have one.)

Chemical	Formula	Code	Disp
Acacia	(complex)	G	26a
Acetic acid	CH ₃ COOH	W	24a
Acetocarmine	(mixture)	G	24a
Acetone	CH ₃ COCH ₃	R	18a
Acetylsalicylic acid [aspirin]	CH ₃ CO ₂ C ₆ H ₄ CO ₂ H	G	26a
Acridine orange	(unknown)	G	5
Agar powder	(complex)	G	26a
Alanine-DL (a) (in amino acid set)	C ₃ H ₇ NO ₃	G	4c
Alizarin	C ₁₄ H ₈ O ₄	G	26a
Alizarin Yellow G, solution	C ₁₃ H ₈ N ₃ O ₅ Na (alc)	Ind	26a
Alizarin Yellow G or GG [Metachrome yellow]	C ₁₃ H ₈ N ₃ O ₅ Na	Ind	26a
Alizarin Yellow R	C ₁₃ H ₈ N ₃ O ₅ Na	Ind	26a
Alkaline Copper Tartrate Soln	(mixture)	G	26a
Alum carmine	(unknown)	G	26a
Alumina (activated 8-14 mesh)	Al ₂ O ₃	G	26a
Alumina (adsorption, 80 to 200 mesh)	Al ₂ O ₃	G	26a
Aluminon	C ₂₂ H ₂₃ N ₅ O ₉	G	26a
Aluminum, coarse granular	Al	G	26a
Aluminum, fine granular	Al	G	26a
Aluminum, powder	Al	G	26a
Aluminum, turnings	Al	G	26a
Aluminum ammonium sulphate	AlNH ₄ (SO ₄) ₂ •12H ₂ O	G	26a
Aluminum chloride (lab grade)	AlCl ₃ •6H ₂ O	G	26a
Aluminum nitrate	Al(NO ₃) ₃ •9H ₂ O	Y	26a
Aluminum oxide, anhydrous (*)			
Aluminum potassium sulphate (tech)	KAl(SO ₄) ₂ •12H ₂ O	G	26a
Aluminum (shot)	Al	G	26a
Aluminum sodium sulphate	NaAl(SO ₄) ₂ •12H ₂ O	G	26a
Aluminum sulphate (reagent)	Al ₂ (SO ₄) ₃ •16H ₂ O	G	26a
Amberlite MB-3 [ion exchange resin]	(complex resin)	G	26a
Amino acids (22/set)		G	4c
p-Aminobenzoic acid	NH ₂ C ₆ H ₄ COOH	G	24a
Aminoacetic acid (*)			
Ammonium acetate	CH ₃ COONH ₄	G	26a
Ammonium alum (*)			
Ammonium bicarbonate (*)			
Ammonium bromide	NH ₄ Br	G	26a
Ammonium carbonate	(NH ₄) ₂ CO ₃	G	26a
Ammonium ceric nitrate	(NH ₄) ₂ [Ce(NO ₃) ₆]	Y	27f
Ammonium chloride	NH ₄ Cl	G	26a
Ammonium dichromate	(NH ₄) ₂ Cr ₂ O ₇	Y	12a
Ammonium dihydrogen phosphate	NH ₄ H ₂ PO ₄	G	26a
Ammonium ferric sulphate	NH ₄ Fe(SO ₄) ₂ •12H ₂ O	G	26a
Ammonium ferrous sulphate	(NH ₄) ₂ Fe(SO ₄) ₂	G	26b
Ammonium hydrogen carbonate	NH ₄ HCO ₃	G	10
Ammonium hydroxide	NH ₄ OH	W	10
Ammonium iodide	NH ₄ I	G	26a
Ammonium metavanadate	NH ₄ VO ₃	B	27d
Ammonium molybdate	(NH ₄) ₆ Mo ₇ O ₂₄ •4H ₂ O	G	6
Ammonium nitrate	NH ₄ NO ₃	Y	26b
Ammonium oxalate	(NH ₄) ₂ C ₂ O ₄ •H ₂ O	G	26a

Ammonium persulfate crystal	$(\text{NH}_4)_2\text{S}_2\text{O}_8$	Y	12a
Ammonium phosphate (mono) (*)			
Ammonium sulphate	$(\text{NH}_4)_2\text{SO}_4$	B	26a
Ammonium sulphide solution	$(\text{NH}_4)_2\text{S}$	B	23
Ammonium thiocyanate	NH_4SCN	G	26a
iso-Amyl alcohol [isopentanol]	$\text{C}_5\text{H}_{11}\text{OH}$	R	18b
n-Amyl alcohol	$\text{C}_5\text{H}_{11}\text{OH}$	R	18b
tert-Amyl alcohol	$(\text{CH}_3)_2\text{C}(\text{OH})\text{C}_2\text{H}_5$	R	18b
Aneurine hydrochloride [Thiamine hydrochloride]	$\text{C}_{12}\text{H}_{18}\text{Cl}_2\text{N}_4\text{OS}$	G	26a
Aniline blue	(unknown)	G	26a
Anion exchange resin	(complex)	G	26a
Anthracene	$\text{C}_{14}\text{H}_{10}$	G	18b
Anthranilic acid	$2\text{-NH}_2\text{C}_6\text{H}_4\text{COOH}$	G	24a
Antimony, lumps	Sb	G	27d
Antimony, powder	Sb	G	27d
Arginine hydrochloride (shelf & amino acid set)	$\text{C}_6\text{H}_{14}\text{N}_4\text{O}_2\cdot\text{HCl}$	G	4c
Argon	Ar	CG	vent, 26a
Arsenic, lumps	As	B	27d
Ascorbic acid	$\text{C}_6\text{H}_8\text{O}_6$	G	26a
Asparagine-L (in amino acid set)	$\text{C}_4\text{H}_8\text{N}_2\text{O}_3$	G	4c
Aspartic Acid-DL (in amino acid set)	$\text{C}_4\text{H}_7\text{NO}_4$	G	4c
Aurin tricarboxylic acid ammonium salt (*)			
Azure II	(mixture)	G	26a
Bacto giemsa stain	(unknown)	G	26a
Balsam	(mixture)	R	18b
Barium chloride	$\text{BaCl}_2\cdot 2\text{H}_2\text{O}$	B	27h
Barium hydroxide	$\text{Ba}(\text{OH})_2$	B	27h
Barium	Ba	R	3
Barium nitrate	$\text{Ba}(\text{NO}_3)_2$	Y	27h
Beef extract	(mixture)	G	26a
Benedict's solution	(mixture)	G	26a
Benzaldehyde	$\text{C}_6\text{H}_5\text{CHO}$	R	2
Benzoic acid	$\text{C}_7\text{H}_6\text{O}_2$	G	24a
Benzoin	$\text{C}_{14}\text{H}_{12}\text{O}_2$	B	2
Benzyl alcohol	$\text{C}_6\text{H}_5\text{CH}_2\text{OH}$	R	18b
Beta-Naphtol (*)			
Bismark brown	(unknown)	G	26a
Bismuth, lumps	Bi	G	26a
Bismuth nitrate	$\text{Bi}(\text{NO}_3)_3\cdot 5\text{H}_2\text{O}$	Y	26a
Borax (*)			
Boric acid	H_3BO_3	G	24a
Boron	B	R	26a
Brilliant cresyl blue solution	(mixture)	G	26b
Brilliant green	$\text{C}_{27}\text{H}_{34}\text{N}_2\text{O}_4\text{S}$	G	26a
Bromocresol green	$\text{C}_{21}\text{H}_{13}\text{Br}_4\text{O}_5\text{S}$	Ind	26a
Bromocresol purple	$\text{C}_{21}\text{H}_{15}\text{Br}_2\text{O}_5\text{SNa}$	Ind	26a
Bromine	Br_2	B	12a
Bromophenol blue	$\text{C}_{19}\text{H}_9\text{Br}_4\text{O}_5\text{SNa}$	Ind	26a
Bromothymol blue	$\text{C}_{27}\text{H}_{27}\text{Br}_2\text{O}_5\text{SNa}$	Ind	26a
1-Butanol	$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$	R	18b
2-Butanol	$\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$	R	18b
iso-Butyl alcohol	$(\text{CH}_3)_2\text{CHCH}_2\text{OH}$	R	18b
sec-Butyl alcohol (*)			
tert-Butyl alcohol	$(\text{CH}_3)_3\text{COH}$	R	18b
Butyl alcohol (*)			
Butyric acid	$\text{C}_4\text{H}_8\text{O}_2$	R	24a
Cadmium, granules	Cd	B	27d
Cadmium, mossy	Cd	B	27d
Caffeine	$\text{C}_8\text{H}_{10}\text{N}_4\text{O}_2$	B	5
Calcium, turnings	Ca	R	3
Calcium, granules	Ca	R	3
Calcium acetate, anhydrous (technical)	$\text{Ca}(\text{CH}_3\text{CO})_2$	G	26a
Calcium acetate monohydrate (technical)	$\text{Ca}(\text{CH}_3\text{CO}_2)_2\cdot\text{H}_2\text{O}$	G	26a
Calcium carbide	CaC_2	R	25
Calcium carbonate (marble chips)	CaCO_3	G	26a
Calcium carbonate (powder)	CaCO_3	G	26a
Calcium chloride (40 mesh)	CaCl_2	G	26a
Calcium chloride (anhy. 12 mesh)	CaCl_2	G	26a
Calcium chloride (flakes)	CaCl_2	G	26a

Calcium chloride (fused gran.3-8mesh)	CaCl ₂	G	26a
Calcium chloride dihydrate	CaCl ₂ •2H ₂ O	G	26a
Calcium hydroxide	Ca(OH) ₂	G	10
Calcium nitrate	Ca(NO ₃) ₂ •4H ₂ O	Y	26a
Calcium oxide	CaO	B	10
Camphor-D	C ₁₀ H ₁₆ O	G	18b
Carbon dioxide	CO ₂	CG	vent, 26a
Carbon disulfide	CS ₂	R	9
Carmin	(complex)	G	26a
Carmin, alum lake	(complex)	G	26a
Cedarwood oil	(mixture)	G	26a
Celite [diatomaceous earth]	(complex)	G	26a
Ceresin (technical grade)	(complex wax)	G	26a
Ceric ammonium nitrate (*)			
Cerous nitrate	Ce(NO ₃) ₂ •6H ₂ O	Y	27f
Cesium chloride	CsCl	G	26a
Cetyl alcohol	C ₁₆ H ₃₄ O	R	18b
Charcoal, activated (powder)	C	G	26a
Charcoal, activated (6-14 mesh)	C	G	26a
Charcoal, activated (50-200 mesh)	C	G	26a
Charcoal, lumps	C	G	26a
Chlorazol black E	(unknown)	G	26a
Chlorine	Cl ₂	CG	vent, 26a
Chrome alum (*)			
Chromic nitrate	Cr(NO ₃) ₃ •9H ₂ O	Y	27f
Chromic sulphate	Cr ₂ (SO ₄) ₃ •15H ₂ O	G	27f
Chromium, powder	Cr	B	27f
Chromium chloride	CrCl ₃ •6H ₂ O	G	27f
Chromium potassium sulphate	KCr(SO ₄) ₂ •12H ₂ O	G	27f
Chromium sulphate	Cr ₂ (SO ₄) ₃ •xH ₂ O	G	27f
Citric acid, monohydrate	C ₆ H ₈ O ₇ •H ₂ O	G	26a
Citric acid, anhydrous	C ₆ H ₈ O ₇	G	26a
Chlorophenol red	C ₁₉ H ₁₂ Cl ₂ SO ₅	Ind	26a
Clove oil	(mixture)	G	26a
Cobalt, lumps	Co	G	26a
Cobalt chloride	CoCl ₂ •6H ₂ O	G	27f
Cobaltous (II) nitrate	Co(NO ₃) ₂ •6H ₂ O	Y	27f
Cobaltous acetate	Co(C ₂ H ₃ O ₂) ₂ •4H ₂ O	G	27f
Cobaltous sulphate	CoSO ₄	B	27f
Congo red	C ₃₂ H ₂₂ N ₆ Na ₂ O ₆ S ₂	Ind	26a
Copper (foil)	Cu	G	26a
Copper metal (sheet)	Cu	G	26a
Copper metal (turnings)	Cu	G	26a
Coumarin	C ₉ H ₆ O ₂	Ind	26a
Cresol red	C ₂₁ H ₁₇ NaO ₅ S	Ind	26a
o-Cresolphthalein	C ₂₂ H ₁₈ O ₄	Ind	26a
m-Cresol purple	C ₂₁ H ₁₇ NaO ₅ S	Ind	26a
Crystal violet	C ₂₅ H ₃₀ ClN ₃	Ind	26a
Crystal violet (solution)	C ₂₅ H ₃₀ ClN ₃ (alc)	G	26a
Cupric bromide	CuBr ₂	G	26a
Cupric carbonate (powder)	CuCO ₃ (CuOH) ₂ •H ₂ O	G	26a
Cupric chloride (tech)	CuCl ₂ •2H ₂ O	G	26a
Cupric dichromate	CuCr ₂ O ₇	Y	12a
Cupric nitrate	Cu(NO ₃) ₂ •3H ₂ O	Y	26a
Cupric oxide (powder)	CuO	G	26a
Cupric oxide (tech.black powder)	CuO	G	26a
Cupric oxide (wire)	CuO	G	26a
Cupric sulphate (reagent)	CuSO ₄ •5H ₂ O	G	26a
Cupric sulphate (tech grade)	CuSO ₄ •5H ₂ O	G	26a
Cuprous oxide (red powder)	Cu ₂ O	G	26a
Curcumin	C ₂₁ H ₂₀ O ₆	Ind	26a
Cyclohexane	C ₆ H ₁₂	R	18a
Cysteine-L hydrochloride (in amino acid set)	C ₃ H ₇ NO ₂ S•HCl	G	4c
Cystine-L (shelf & in amino acid set)	C ₆ H ₁₂ N ₂ O ₄ S ₂	G	4c
n-Decanoic acid	CH ₃ (CH ₂) ₈ COOH	W	24a
Deuterium oxide	D ₂ O	G	26a
Dextrose,anhydrous	CH ₂ OH(CHOH) ₄ CHO	G	26a
Dextrose (lab grade)	C ₂ H ₁₂ O ₆	G	26a
Diamino ethane tetra acetic acid, sodium salt (*)			
1,6-Diaminohexane	NH ₂ (CH ₂) ₆ .NH ₂	B	26b

Dibromomethane	CH_2Br_2	R	27j
p-Dichlorobenzene	$\text{C}_6\text{H}_4\text{Cl}_2$	B	4b
1,2-Dichloroethane	$\text{C}_2\text{H}_4\text{Cl}_2$	R	27j
2,6-Dichlorindophenol, sodium salt	$\text{C}_{12}\text{H}_6\text{Cl}_2\text{NNaO}_2$	G	5
Dichloromethane	CH_2Cl_2	B	27j
Diethyl ether (*)			
Dimethylglyoxime	$(\text{CH}_3)_2\text{C}_2(\text{NOH})_2$	G	26a
Dimethyl sulfoxide	$(\text{CH}_3)_2\text{SO}$	G	18b
Diphenylamine	$(\text{C}_6\text{H}_5)_2\text{NH}$	G	5
Dowex 2-X8 [ion exchange resin]	(complex)	G	26a
EDTA (*)			
Eosin	$\text{C}_{20}\text{H}_6\text{Br}_4\text{Na}_2\text{O}_5$	Ind	26a
Eosin blue shade	$\text{C}_{20}\text{H}_6\text{Br}_2\text{N}_2\text{Na}_2\text{O}_9$	G	26a
Eosin Y solution	(mixture)	G	26a
Eosin yellowish (solution)	(mixture)	G	26a
Eriochrome black T	$\text{C}_{20}\text{H}_{12}\text{N}_3\text{NaO}_7\text{S}$	Ind	26a
Ethanol	$\text{C}_2\text{H}_7\text{OH}$	R	26b
Ethyl acetate	$\text{CH}_3\text{COOC}_2\text{H}_5$	R	18a
Ethyl alcohol (*)			
Ethyl carbamate [urethane]	$\text{H}_2\text{NCO}_2\text{C}_2\text{H}_5$	G	18b
Ethyl chloride	$\text{CH}_3\text{CH}_2\text{Cl}$	CG	vent, 26a
Ethyl ether	$(\text{CH}_3\text{CH}_2)_2\text{O}$	R	15
Ethyl methyl ketone (*)			
Ethylene carbonate [1,2-ethanediol carbonate]	$\text{C}_3\text{H}_4\text{O}_3$	G	18b
Ethylenediaminetetra-acetic acid, disodium salt	$\text{Na}_2\text{C}_{10}\text{H}_{14}\text{N}_2\text{O}_8 \cdot 2\text{H}_2\text{O}$	G	26a
Ethylene glycol	$\text{C}_2\text{H}_6\text{O}_2$	B	18b
Ferric chloride, anhydrous	FeCl_3	G	26a
Ferric chloride 6-hydrate	$\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$	G	26a
Ferric nitrate	$\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$	Y	26a
Ferric sulphate	$\text{Fe}_2(\text{SO}_4)_3$	G	26a
Ferrous ammonium sulfate	$\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$	G	26a
Ferrous sulphate	$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	G	26a
Fluorescein	$\text{C}_{20}\text{H}_{12}\text{O}_5$	G	26a
Formaldehyde	HCHO	B	2
Formic acid	HCOOH	W	24a
Freon (21 and 22)	$(\text{C}_x\text{Cl}_y\text{F}_z)$	CG	vent, 26a
D-Fructose (*)			
Fuchsine D	(unknown)	G	26a
Fumaric acid	$\text{C}_4\text{H}_4\text{O}_4$	G	24a
Galactose	$\text{C}_6\text{H}_{12}\text{O}_6$	G	26a
Gallium	Ga	R	27a
Gelatine	(complex)	G	26a
Gentian violet (*)			
Giemsa's stain	(unknown)	G	26a
Glucose (*)			
Glutamic Acid-L (in amino acid set)	$\text{C}_2\text{H}_5\text{NO}_2$	G	4c
Glycerin	$\text{C}_3\text{H}_8\text{O}_3$	G	26b
Glycine (shelf & in amino acid set)	$\text{CH}_2(\text{NH}_2)\text{COOH}$	G	4c
Grams iodine	(unknown)	G	26a
Gum arabic (*)			
Hematoxylin	$\text{C}_{16}\text{H}_{14}\text{O}_6$	G	4c
Helium	He	CG	vent, 26a
Heptane	$\text{CH}_3(\text{CH}_2)_5\text{CH}_3$	R	18a
Heptanoic acid	$\text{CH}_3(\text{CH}_2)_5\text{CO}_2\text{H}$	R	24a
Hexane	C_7H_{14}	R	18a
Hexanoic acid	$\text{C}_6\text{H}_{11}\text{COOH}$	R	24a
Histidine-L hydrochloride (in amino acid set)	$\text{C}_6\text{H}_9\text{N}_3\text{O}_2 \cdot \text{HCl}$	G	4c
Hydrochloric acid	HCl	W	24b
Hydrogen	H_2	CG	vent, 26a
Hydrogen peroxide (3%)	H_2O_2	Y	22a
Hydrogen peroxide (35%)	H_2O_2	Y	22a
Hydroquinone	$\text{C}_6\text{H}_6\text{O}_2$	B	18b
Hydroxyl ammonium chloride	HONH_3Cl	B	26a

Indigo carmine	$C_{16}H_8N_2Na_2O_8S_2$	Ind	26a
Indium	In	R	27a
Indoleacetic acid	$C_{10}H_9NO_2$	G	24a
Iodine	I_2	B	12a
Iron, filings	Fe	G	26a
Iron, powder	Fe	G	26a
Iso-valeric acid (*)			
Kerosene	(complex)	R	18b
Lactic acid	$C_3H_6O_3$	W	24a
Lactophenol solution	(unknown)	G	26a
Lactose	$C_{12}H_{22}O_{11}$	G	26a
Latex	(complex)	G	26b
Lead	Pb	B	27d
Lead acetate	$Pb(C_2H_3O_2)_2 \cdot 3H_2O$	B	27f
Lead chloride	$PbCl_2$	B	27f
Lead nitrate	$Pb(NO_3)_2$	Y	27f
Leucine -DL (on shelf & in amino acid set)	$C_6H_{13}NO_2$	G	4c
iso-Leucine-DL (in amino acid set)	$C_6H_{13}NO_2$	G	4c
nor-Leucine-DL (in amino acid set)	$C_6H_{13}NO_2$	G	4c
D-Levulose	$C_6H_{12}O_6$	G	26a
Light green SF yellowish	$C_{37}H_{34}N_2Na_2O_9S_3$	G	26a
Ligroin (*)			
Lithium, shot	Li	R	3
Lithium, sticks	Li	R	3
Lithium chloride (reagent)	LiCl	B	26a
Lithium chloride monohydrate	$LiCl \cdot H_2O$	B	26a
Lithium hydroxide (reagent)	$LiOH \cdot H_2O$	B	10
Luminol	$C_8H_7N_3O_2$	G	5
Lycopodium powder	(complex)	G	26a
Lysine-DL hydrochloride (in amino acid set)	$C_6H_{14}N_2O_2 \cdot HCl$	G	4c
Magnesium, powder	Mg	Y	26a
Magnesium, ribbon	Mg	Y	26a
Magnesium bromide	$MgBr_2$	G	26a
Magnesium chloride	$MgCl_2 \cdot 6H_2O$	G	26a
Magnesium hydroxide	$Mg(OH)_2$	G	26a
Magnesium nitrate	$Mg(NO_3)_2 \cdot 6H_2O$	Y	26a
Magnesium oxide	MgO	G	26a
Magnesium sulphate	$MgSO_4 \cdot 7H_2O$	G	26a
Malachite green	$C_{23}H_{25}ClN_2$	Ind	26a
Maleic acid	$HO_2CCH=CHCO_2H$	W	24a
Malonic acid	$HO_2CCH_2CO_2H$	G	24a
Manganese	Mn	G	26a
Manganese dioxide	MnO_2	B	26a
Manganese sulphate, monohydrate	$MnSO_4 \cdot H_2O$	B	27f
Manganese sulphate (reagent)	$MnSO_4 \cdot 4H_2O$	B	27f
Manganous chloride	$MnCl_2 \cdot 4H_2O$	B	27f
Marble chips (*)			
Menthol	$C_{10}H_{20}O$	G	18b
Mercuric nitrate	$Hg(NO_3)_2 \cdot H_2O$	B	27f
Mercurous nitrate	$HgNO_3 \cdot H_2O$	B	27f
Mercury	Hg	B	27b
Metamethyl red	$C_{15}H_{14}N_3O_2Na$	Ind	26a
Metanil yellow	$C_{18}H_{14}N_3NaO_3S$	Ind	26a
Methanol	CH_3OH	R	18a
Methionine-DL (in amino acid set)	$C_5H_{11}NO_2S$	G	4c
Methyl alcohol (*)			
Methyl cellulose	(complex)	G	26a
Methyl ethyl ketone [2-butanone]	$CH_3COCH_2CH_3$	R	18b
Methyl iso-butyl ketone	$CH_3COCH_2CH(CH_3)_2$	R	18b
Methyl green	$C_{27}H_{35}BrClN_3$	G	26a
Methyl green, solution	$C_{27}H_{35}BrClN_3$ (aq)	G	26a
Methyl methacrylate	$(C_5H_8O_2)_x$	R	18a
Methyl orange, powder	$C_{14}H_{14}N_3NaO_3S$	Ind	26a
Methyl orange, solution	$C_{14}H_{14}N_3NaO_3S$	Ind	26a
Methyl red	$C_{15}H_{14}N_3O_2Na$	Ind	26a
Methyl red, solution	$C_{15}H_{14}N_3O_2Na$ (aq)	Ind	26a
Methyl salicylate [Oil of wintergreen]	$C_8H_8O_3$	G	18b
Methylene blue	$C_{16}H_{18}ClN_3S$	Ind	26a
Methylene blue, solution	$C_{16}H_{18}ClN_3S$ (aq)	G	26a

Methylene blue thiocyanate	(unknown)	G	26a
Methyl violet	(unknown)	G	26a
Methyl violet 6B	(unknown)	Ind	26a
Methyl violet, solution	(unknown)	Ind	26a
Naphtha solvent [Petroleum ether]	(complex)	R	18a
Naphthalene	C ₁₀ H ₈	B	18b
1-Naphthol	C ₁₀ H ₇ OH	B	18b
2-Naphthol	C ₁₀ H ₈ OH	B	18b
α-Naphtholphthalein	C ₂₈ H ₁₈ O ₄	Ind	26a
1-Naphthylamine	C ₁₀ H ₉ N	Ind	26a
Neutral red	C ₁₅ H ₁₇ ClN ₄	Ind	26a
Neutral red chloride (*)			
Nickel	Ni	R	27a
Nickel, powder	Ni	R	27a
Nickel (II) chloride	NiCl ₂ ·6H ₂ O	B	27f
Nickel (II) nitrate	Ni(NO ₃) ₂	B	27f
Nickel sulphate	NiSO ₄ ·xH ₂ O	B	27f
Nickel sulphate	NiSO ₄ ·6H ₂ O	B	27f
Nigrosine	(unknown)	G	26a
Nile blue solution	(unknown)	G	26a
Ninhydrin [1,2,3-indantrione monohydrate]	C ₉ H ₆ O ₄	B	18b
Nitric acid	HNO ₃	W	24b
4-Nitroaniline	(NO ₂)C ₆ H ₄ (NH ₂)	B	26c
Nitrogen	N ₂	CG	vent, 26a
p-Nitrophenol	NO ₂ C ₆ H ₄ OH	B	18b
3-Nitrophthalic acid	3-NO ₂ C ₆ H ₃ (CO ₂ H) ₂	Y	26c
1-Nitroso-2-naphthol	NOC ₁₀ H ₆ OH	B	18b
Nonanoic Acid	CH ₃ (CH ₂) ₇ CO ₂ H	R	24a
Norbert's instant triple stain	(mixture)	G	26a
Norvaline-DL (in amino acid set)	C ₅ H ₁₁ NO ₂	G	4c
Octanoic acid	C ₇ H ₁₅ COOH	R	24a
1-Octanol	CH ₃ (CH ₂) ₆ CH ₂ OH	R	18b
Oleic acid	C ₁₈ H ₃₄ O ₂	G	24a
Orange II	C ₈ H ₁₁ N ₂ NaO ₄ S	Ind	26a
Orange IV	C ₁₈ H ₁₄ N ₃ NaO ₃ S	Ind	26a
Orcein	(mixture)	G	26a
Orthophosphoric acid (*)			
Oxalic acid, anhydrous	H ₂ C ₂ O ₄	W	24a
Oxalic acid (reagent)	H ₂ C ₂ O ₄ ·2H ₂ O	W	24a
Oxalic acid (technical)	H ₂ C ₂ O ₄ ·2H ₂ O	W	24a
Pancreatin	(complex)	G	26a
Paramethyl red	C ₁₅ H ₁₅ N ₃ O ₂	Ind	26a
1-Pentanol (*)			
Pentene	C ₅ H ₁₀	R	18a
Pepsin	(complex)	G	26a
Peptone	(complex)	G	26a
Petroleum ether ("Ligroin")	(mixed alkanes)	R	18a
1,10-Phenanthroline [o-Phenanthroline]	C ₁₂ H ₈ N ₂	G	5
Phenol	C ₆ H ₆ O	R	24a
Phenol red	C ₁₉ H ₁₃ NaO ₅ S	Ind	26a
Phenolphthalein	C ₂₀ H ₁₄ O ₄	Ind	26a
Phenyl salicylate	2-HOC ₆ H ₄ CO ₂ C ₆ H ₅	G	18b
Phenylacetic Acid	C ₈ H ₅ CH ₂ CO ₂ H	R	4c
Phenylalanine-DL (in amino acid set)	C ₉ H ₁₁ NO ₂	G	4c
Phloroglucinol	C ₆ H ₃ (OH) ₃ ·2H ₂ O	G	18b
Phloxine B	(unknown)	G	26a
Phosphoric acid	H ₃ PO ₄	W	24b
Phthalic anhydride	C ₈ H ₄ O ₃	G	24a
Platinum	Pt	R	27a
Polyethylene oxide	(complex)	G	26a
Polyethylene oxide (Poly-Ox)	(complex)	G	26a
Polyvinyl Alcohol	(CH ₂ HCOH) _x	G	26a
Potassium acid phthalate (*)			
Potassium acid tartrate (*)			
Potassium alum (*)			
Potassium bicarbonate (*)			
Potassium binoxalate (*)			

Potassium bisulfate (*)			
Potassium bisulphite (*)			
Potassium bitartrate (*)			
Potassium bromate	KBrO ₃	Y	12a
Potassium bromide	KBr	G	26a
Potassium carbonate	K ₂ CO ₃ •1½H ₂ O	G	26a
Potassium chlorate	KClO ₃	Y	12a
Potassium chloride	KCl	G	26a
Potassium chromate	K ₂ CrO ₄	B	12a
Potassium chromium sulphate (*)			
Potassium citrate	K ₃ C ₆ H ₅ O ₇ •H ₂ O	G	26a
Potassium dichromate	K ₂ Cr ₂ O ₇	B	12a
Potassium dihydrogen phosphate	KH ₂ PO ₄	G	26a
Potassium ferricyanide, anhydrous	K ₃ Fe(CN) ₆	G	14
Potassium ferricyanide (technical)	K ₃ Fe(CN) ₆ •3H ₂ O	G	14
Potassium ferrocyanide (reagent)	K ₄ Fe(CN) ₆ •3H ₂ O	G	14
Potassium hydrogen carbonate	KHCO ₃	G	26a
Potassium hydrogen orthophosphate (*)			
Potassium hydrogen oxalate	KHC ₂ O ₄	B	18b
Potassium hydrogen phthalate	KHC ₈ H ₄ O ₄	G	24a
Potassium hydrogen sulphate	KHSO ₄	G	26a
Potassium hydrogen sulphite	KHSO ₃	G	26a
Potassium hydrogen tartrate	KHC ₄ H ₄ O ₆	G	26a
Potassium hydroxide	KOH	W	10
Potassium iodate	KIO ₃	Y	12a
Potassium iodide	KI	G	26a
Potassium iodide	KI	G	26a
Potassium iodide (reagent)	KI	G	26a
Potassium monohydrogen phosphate	K ₂ HPO ₄	G	26a
Potassium nitrate (reagent)	KNO ₃	Y	26a
Potassium nitrate (technical)	KNO ₃	Y	26a
Potassium oxalate	K ₂ C ₂ O ₄	B	26a
Potassium permanganate	KMnO ₄	Y	12a
Potassium phosphate	K ₃ PO ₄ •H ₂ O	G	26a
Potassium phosphate, dibasic (*)			
Potassium phosphate, monobasic (*)			
Potassium polyacrylate	(complex)	G	26a
Potassium sodium tartrate	KNaC ₄ H ₄ O ₆ •4H ₂ O	G	26a
Potassium sulphate (technical)	K ₂ SO ₄	G	26a
Potassium sulphate (reagent)	K ₂ SO ₄	G	26a
Potassium sulphite	K ₂ SO ₃ •2H ₂ O	G	12b
Potassium thiocyanate (reagent)	KSCN	G	26a
Proline-L (in amino acid set)	C ₅ H ₉ NO ₂	G	4c
1-Propanol	CH ₃ CH ₂ CH ₂ OH	R	18b
2-Propanol	(CH ₃)CHOH	R	18a
iso-Propanol (purified)	CH ₃ CH(OH)CH ₃	R	18a
iso-Propanol, 70% [rubbing alcohol]	CH ₃ CH(OH)CH ₃	R	18a
n-Propanol (*)			
Propionic acid	C ₂ H ₆ O ₂	R	24a
Propyl Alcohol (*)			
Propyl red	C ₁₉ H ₂₆ N ₃ O ₂	Ind	26a
Propylene glycol [1,2 Propanediol]	C ₃ H ₈ O ₂	R	18b
Pumice powder	(complex)	G	26a
Pyrogallol	C ₆ H ₆ O ₃	B	18b
Pyrolusite [use as MnO ₂]	MnO ₂ (ore)	B	26a
Quinine	C ₂₀ H ₂₄ N ₂ O ₂	Ind	5
Quinine sulphate	C ₄₀ H ₅₀ N ₄ O ₈ S	G	5
Red eosin	(unknown)	Ind	26a
Resorcinol	C ₆ H ₆ O ₂	B	18b
Rhodamine B	C ₂₈ H ₃₁ ClN ₂ O ₃	Ind	26a
Rochelle salt (*)			
Rubidium chloride	RbCl	G	26a
Safrenin solution	(unknown)	G	26a
Salicylic acid	C ₇ H ₆ O ₃	G	24a
Sebacoyl chloride	ClCO(CH ₂) ₈ COCl	B	1a
Serine-DL (see amino acid set)	C ₃ H ₇ NO ₃	B	4c
Silica gel (6-12 mesh)	SiO ₂ •xH ₂ O	G	26a
Silica gel (self indicating)	SiO ₂ •xH ₂ O	G	26a

Silicic acid	SiO ₂ •xH ₂ O	G	26a
Silicon, lumps	Si	G	26a
Silver	Ag	R	27a
Silver, foil	Ag	R	27a
Silver, plate	Ag	R	27a
Silver acetate	CH ₃ COOAg	Y	11
Silver bromide [in light-tight vials]	AgBr	G	26a
Silver chloride [in light-tight bottle]	AgCl	G	26a
Silver nitrate	AgNO ₃	Y	11
Silver sulphate	Ag ₂ SO ₄	G	26a
Soda lime (4-8 mesh)	CaO+NaOH	B	10
Sodium	Na	R	3
Sodium acetate, anhydrous	NaC ₂ H ₃ O ₂	G	26a
Sodium acetate	CH ₃ .COONa•3H ₂ O	G	26a
Sodium alum (*)			
Sodium ammonium sulphate	Na(NH ₄)SO ₄	G	26a
Sodium ammonium phosphate (reagent)	Na(NH ₄)HPO ₄ •4H ₂ O	G	26a
Sodium benzoate	C ₆ H ₅ COONa	G	26a
Sodium bicarbonate (technical)	NaHCO ₃	G	26a
Sodium bicarbonate (reagent)	NaHCO ₃	G	26a
Sodium bismuthate	NaBiO ₃	B	26a
Sodium bisulfate	NaHSO ₄ •H ₂ O	B	26a
Sodium bisulphite (*)			
Sodium bitartrate (*)			
Sodium borate (technical)	Na ₂ B ₄ O ₇ •10H ₂ O	G	26a
Sodium borate (reagent)	Na ₂ B ₄ O ₇ •10H ₂ O	G	26a
Sodium bromide	NaBr	G	26a
Sodium carbonate, anhydrous (lab grade)	Na ₂ CO ₃	G	26a
Sodium carbonate, anhydrous (reagent grade)	Na ₂ CO ₃	G	26a
Sodium carbonate monohydrate (reagent)	Na ₂ CO ₃ •H ₂ O	B	26a
Sodium chlorate	NaClO ₃	Y	12a
Sodium chloride (reagent)	NaCl	G	26a
Sodium chloride (table salt)	NaCl	G	26a
Sodium chromate	Na ₂ CrO ₄ •4H ₂ O	Y	12a
Sodium chromate, anhydrous	Na ₂ CrO ₄	Y	12a
Sodium citrate	Na ₃ C ₆ H ₅ O ₇ •2H ₂ O	G	26a
Sodium cobaltinitrite	Na ₃ Co(NO ₂) ₆	G	27f
Sodium dichromate	Na ₂ Cr ₂ O ₇ •2H ₂ O	Y	12a
Sodium ferrocyanide	Na ₄ Fe(CN) ₆ •10H ₂ O	G	14
Sodium fluorescein	Na ₂ C ₂₀ H ₁₀ O ₅	G	26a
Sodium fluoride	NaF	B	6
Sodium dihydrogen phosphate, dihydrate	NaH ₂ PO ₄ •2H ₂ O	G	26a
Sodium dihydrogen phosphate, monohydrate	NaH ₂ PO ₄ •H ₂ O	G	26a
Sodium hydrogen sulphate, monohydrate (technical)	NaHSO ₄ •H ₂ O	G	26a
Sodium hydrogen sulphate, anhydrous (technical)	NaHSO ₄	G	26a
Sodium hydrogen sulphite (technical)	NaHSO ₃	G	26a
Sodium hydrogen tartrate	NaHC ₄ H ₄ O ₆	G	26a
Sodium hydrosulfite	Na ₂ S ₂ O ₄	R	12b
Sodium hydroxide	NaOH	W	10
Sodium iodate	NaIO ₃ •H ₂ O	Y	12a
Sodium iodide	NaI	G	26a
Sodium metabisulphite	Na ₂ S ₂ O ₅	G	12b
Sodium metaborate	NaBO ₂ •4H ₂ O	G	26a
Sodium monohydrogen phosphate, anhydrous	Na ₂ HPO ₄	G	26a
Sodium monohydrogen phosphate, 7-hydrate	Na ₂ HPO ₄ •7H ₂ O	G	26a
Sodium monohydrogen phosphate, 12-hydrate	Na ₂ HPO ₄ •12H ₂ O	G	26a
Sodium monohydrogen phosphate, ?-hydrate	Na ₂ HPO ₄ •?H ₂ O	G	26a
Sodium nitrate	NaNO ₃	Y	26a
Sodium nitrite	NaNO ₂	Y	12b
Sodium oxalate	Na ₂ C ₂ O ₄	G	26a
Sodium phosphate, ?-hydrate (technical)	Na ₃ PO ₄ •?H ₂ O	G	26a
Sodium phosphate, 12-hydrate (reagent)	Na ₃ PO ₄ •12H ₂ O	G	26a
Sodium phosphate, dibasic (*)			
Sodium phosphate, monobasic (*)			
Sodium phosphate, tribasic (*)			
Sodium potassium tartrate	NaKC ₄ H ₄ O ₆ •4H ₂ O	G	26a
Sodium salicylate	NaC ₇ H ₅ O ₃	G	26a
Sodium silicate, granular	Na ₂ SiO ₃ •5H ₂ O	G	26b
Sodium silicate (aq)	(mixture)	G	26b
Sodium sulphate, anhydrous (reagent)	Na ₂ SO ₄	G	26a
Sodium sulphate	Na ₂ SO ₄ •10H ₂ O	G	26a
Sodium sulphide, anhydrous (technical)	Na ₂ S	R	23

Sodium sulphide 9-hydrate (reagent)	Na ₂ S•9H ₂ O	R	23
Sodium sulphide 9-hydrate (technical)	Na ₂ S•9H ₂ O	R	23
Sodium sulphite, anhydrous	Na ₂ SO ₃	B	12b
Sodium tetraborate (*)			
Sodium thiocyanate	NaSCN	G	26a
Sodium thiosulphate	Na ₂ S ₂ O ₃ •5H ₂ O	G	12b
Stannous chloride dihydrate	SnCl ₂ •2H ₂ O	B	26a
Starch, Maize	(C ₆ H ₁₀ O ₅) _n	G	26a
Starch (soluble)	(C ₆ H ₁₀ O ₅) _n	G	26a
Stearic acid	C ₁₈ H ₃₆ O ₂	G	26a
Strontium carbonate	SrCO ₃	G	26a
Strontium chloride	SrCl ₂ •6H ₂ O	Y	26a
Strontium nitrate, anhydrous	Sr(NO ₃) ₂	Y	26a
Sucrose	C ₁₂ H ₂₂ O ₁₁	G	26a
Sulfanilic acid	C ₆ H ₇ O ₃ NS•H ₂ O	Y	24a
Sulphur, powder	S	G	26a
Sulphur, roll	S	G	26a
Sulphuric acid	H ₂ SO ₄	W	24b
Tannic acid (reagent)	C ₂₇ H ₅₂ O ₆	G	26a
Tannic acid (technical)	C ₂₇ H ₅₂ O ₆	G	26a
Tartaric acid (reagent)	C ₄ H ₆ O ₆	G	24a
Tartaric acid (technical)	C ₄ H ₆ O ₆	G	24a
Thioacetamide	CH ₃ CSNH ₂	B	13
Thionin	C ₁₄ H ₁₃ N ₃ O ₂ S	Y	26a
Thiourea	(NH ₂) ₂ CS	G	13
Threonine-DL (in amino acid set)	C ₄ H ₉ NO ₃	G	4c
Thymol	CH ₃ (C ₃ H ₇)C ₆ H ₃ OH	Ind	24a
Thymol blue	C ₂₇ H ₂₉ NaO ₅ S	Ind	26a
Thymolphthalein	C ₂₈ H ₃₀ O ₄	Ind	18b
Tin, granules	Sn	G	27a
Tin, mossy	Sn	G	27a
Titanium dioxide	TiO ₂	G	26a
Toluene	C ₆ H ₅ CH ₃	R	18b
Toluidine blue	C ₁₅ H ₁₆ ClN ₃ S	G	26a
1,1,1-Trichloro-2-methyl-2-propanol	CCl ₃ C(CH ₃)OHCH ₃	G	4b
1,1,1-Trichloroethane	CH ₃ CCl ₃	R	4b
Triethylene glycol	(OCH ₂) ₃ (CH ₂) ₃ OH ₂	B	18b
2,4,6-Trimethylpyridine [γ-collidine]	(CH ₃) ₃ C ₅ H ₂ N	R	5
Tropaeolin oo (*)			
Trypsin	(complex)	G	26a
Turpentine	C ₁₀ H ₁₆	R	18b
Tyrosine-DL (in amino acid set)	C ₉ H ₁₁ NO ₃	G	4c
Universal indicator	(mixture)	Ind	18b
Urea	CO(NH ₂) ₂	G	26a
Valeric acid	(CH ₃) ₂ CHCH ₂ CO ₂ H	R	24a
Valine-DL (in amino acid set)	C ₅ H ₁₁ NO ₂	G	4c
Victoria blue	(unknown)	G	26a
Vinyl acetate	CH ₃ COOCH=CH ₂	B	18b
Xylene	C ₈ H ₄ (CH ₃) ₂	R	18b
Yeast extract	(complex)	G	26a
Yellow primulene	(unknown)	G	26a
Zinc, dust	Zn	G	26a
Zinc, granules	Zn	G	26a
Zinc metal, mossy	Zn	G	26a
Zinc acetate	ZnC ₄ H ₈ O ₄	G	26a
Zinc chloride	ZnCl ₂	B	26a
Zinc nitrate 6-hydrate (reagent)	Zn(NO ₃) ₂ •6H ₂ O	Y	26a
Zinc nitrate x-hydrate (reagent)	Zn(NO ₃) ₂ •xH ₂ O	Y	26a
Zinc nitrate x-hydrate (technical)	Zn(NO ₃) ₂ •xH ₂ O	Y	26a
Zinc sulphate	ZnSO ₄ •7H ₂ O	G	26a
Zinc sulphide	ZnS	G	26a

Disposal procedures:

Method	Chemicals
1a	Organic acid halides and acid anhydrides

1b	Water-reactive metal halides
2	Aldehydes
3	Alkali metals and alkaline earth metals
4a	Picric acid and related substances
4b	Halogenated hydrocarbons
4c	Organic acids, substituted
5	Amines, aromatic
6	Substances precipitated by calcium ion
8	Azides and azo compounds
9	Carbon disulphide
10	Bases, strong and weak, and basic anhydrides
11	Silver compounds
12a	Oxidizing agents
12b	Reducing agents
13	Organic sulphides, mercaptans and thioamides
14	Cyanides
15	Ethers
16	Hydrazines and their salts
18a	Volatile hydrocarbons, alcohols, ketones, esters
18b	Non-volatile hydrocarbons, ketones, esters, alcohols, and their solutions
20	Organic amides
22a	Peroxides, inorganic
22b	Peroxides, organic
23	Sulphides, inorganic
24a	Organic acids
24b	Acids, inorganic
25	Carbides
26a	Solid waste disposal in landfill
26b	Waste for drain disposal without pretreatment
26c	Incineration
27a	Scrap metals
27b	Mercury metal
27c	Phosphorus, red and white (yellow)
27d	Antimony, arsenic, vanadium and their compounds: cadmium and other heavy metals as elements
27f	Heavy metals and their salts and compounds
27h	Barium compounds
27j	Halogenated solvents