

Name of Chemical	Common Name	Formula	Source
acetic acid	vinegar (5% solution) acetic acid, glacial stop bath (28%)	CH <sub>3</sub> COOH	grocery store, photo store
acetone	nail polish remover	CH <sub>3</sub> COCH <sub>3</sub>	drug store
acetylsalicylic acid	Aspirin	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	drug store
aluminum	aluminum foil, wire, sheet	Al	grocery store, hardware store, building supply
aluminum ammonium sulfate	ammonium alum	AlNH <sub>4</sub> (SO <sub>4</sub> ) <sub>2</sub>	drug store
aluminum potassium sulfate	Alum	KAl(SO <sub>4</sub> ) <sub>2</sub> 12H <sub>2</sub> O	drug store
aluminum sulfate	sulfate of aluminum	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	garden supply
ammonia	Ammonia	NH <sub>3</sub> (aq)	grocery store
ammonium carbonate	smelling salt	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	drug store
ammonium chloride	sal ammoniac	NH <sub>4</sub> Cl	hardware store, garden supply
ammonium nitrate	nitrate of ammonia	NH <sub>4</sub> NO <sub>3</sub>	grocery store
amylum	corn starch	[C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ] <sub>n</sub>	drug store
ascorbic acid	vitamin C	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	drug store
boric acid (ortho-boracic acid)	boric acid roach killer	H <sub>3</sub> BO <sub>3</sub>	drug store, hardware store
butane	lighter fuel	C <sub>4</sub> H <sub>10</sub>	grocery store
caffeine	No-Doz tablets	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	drug store
calcium carbonate	chalk limestone, marble chips	CaCO <sub>3</sub>	variety store, garden supply
calcium chloride	ice melter	CaCl <sub>2</sub>	hardware store
calcium hydroxide	slaked lime	Ca(OH) <sub>2</sub>	hardware store
calcium hypochlorite	bleaching powder	Ca(ClO) <sub>2</sub>	grocery store, pool supply
calcium oxide	Quicklime	CaO	hardware store
calcium phosphate	Superphosphate	Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub>	garden supply
calcium sulfate	Gypsum	CaSO <sub>4</sub>	building supply
carbon	Charcoal, activated charcoal, graphite powder/rod	C	hardware store, pet store, pencil lead
carbon dioxide, solid	dry ice	CO <sub>2</sub>	refrigeration supply, ice cream company
citric acid	sour salt	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	grocery store
copper	sheet, pipe, or wire	Cu	hardware store, building supply
copper sulfate	Bluestone algicide, Root Eater	CuSO <sub>4</sub>	pool supply, hardware store
dichlorodifluoromethane	Freon-12	Cl <sub>2</sub> CF <sub>2</sub>	auto supply
ethanol	ethyl alcohol, absolute ethyl alcohol, 95% denatured alcohol rubbing alcohol	CH <sub>3</sub> CH <sub>2</sub> OH	liquor store, paint store, drug store
ethylene glycol	Antifreeze	HOCH <sub>2</sub> CH <sub>2</sub> OH	auto supply, hardware store
glucose	Dextrose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	drug store
glycerol	Glycerin	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	drug store
gold	Gold	Au	jewelry supply, coin store
helium	Helium	He	party shop
hydrochloric acid	muriatic acid	HCl	hardware store
hydrogen peroxide	hydrogen peroxide 3%, Clairoxide (6%)	H <sub>2</sub> O <sub>2</sub>	drug store
hydroquinone		C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	photo store
iodine	Tincture of iodine (dissolved in ethanol)	I <sub>2</sub>	drug store
iron	steel wool or nails	Fe	hardware store
iron (III) chloride	ferric chloride	FeCl <sub>3</sub>	drug store
iron (III) oxide	ferric oxide rust	Fe <sub>2</sub> O <sub>3</sub>	ceramic store
kerosene	lamp oil	C <sub>n</sub> H <sub>2n+2</sub>	gas station
lactic acid	milk acid	CH <sub>3</sub> COHCOOH	grocery store, hardware store
latex	liquid rubber isoprene	C <sub>5</sub> H <sub>8</sub> [CH <sub>2</sub> :CHC(CH <sub>3</sub> ):CH <sub>2</sub> ]	hobby shop
lead	lead shot sinkers	Pb	hardware store, sporting goods store
magnesium hydroxide	Milk of Magnesia antacid	Mg(OH) <sub>2</sub>	drug store
magnesium silicate	Talc(um) powder	Mg <sub>3</sub> Si <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub>	drug store
magnesium sulfate	Epsom salt	MgSO <sub>4</sub>	drug store
mercury	Quicksilver	Hg	dental supply

methane	natural gas	CH <sub>4</sub>	home gas range
methanol	methyl alcohol, wood alcohol, duplicator fluid, gas dryer	CH <sub>3</sub> OH	paint store, office supply, auto store
methylene blue (3,9-bisdimethylamino-phenazothionium choride)	Methidote	C <sub>16</sub> H <sub>18</sub> ClN <sub>3</sub> S	Veterinarian
methyl salicylate	oil of wintergreen	C <sub>6</sub> H <sub>4</sub> (OH)COOCH <sub>3</sub>	grocery store
mineral oil	Nujol		drug store
naphthalene	Moth balls	C <sub>10</sub> H <sub>8</sub>	hardware store, grocery store
oxygen	Oxygen	O <sub>2</sub>	drug store, welding supply
oxalic acid	rust remover	HO <sub>2</sub> CCO <sub>2</sub> H	hardware store
paradichlorobenzene	moth balls	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	hardware store, grocery store
paraffin	paraffin wax candles		grocery store, hardware store
phenol red		C <sub>19</sub> H <sub>14</sub> O <sub>5</sub> S	pool supply
phenolphthalein	Ex-Lax (tablets), Feen-a-Mint	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub>	drug store
polystyrene	casting resin		hobby shop
polyurethane foam	Craft Cast Mountain in Minutes		hobby shop, building supply
potassium aluminum sulfate	potassium alum	KAl(SO <sub>4</sub> ) <sub>2</sub> 12H <sub>2</sub> O	photo store
potassium bitartrate	cream of tartar	KHC <sub>4</sub> H <sub>4</sub> O <sub>6</sub>	grocery store
potassium bromide		KBr	photo store
potassium chloride	lite salt	KCl	grocery store
potassium chrome alum		KCr(SO <sub>4</sub> ) <sub>2</sub> 12H <sub>2</sub> O	photo store
potassium dichromate		K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	photo store
potassium ferricyanide		K <sub>3</sub> Fe(CN) <sub>6</sub>	photo store
potassium hydroxide	lye caustic potash	KOH	grocery store, hardware store
potassium nitrate	Saltpeter	KNO <sub>3</sub>	drug store
propane	gas barbecue fuel blow torch fuel	C <sub>3</sub> H <sub>8</sub>	gas station, hardware store
2-propanol	isopropyl alcohol rubbing alcohol	CH <sub>3</sub> CHOHCH <sub>3</sub>	drug store
red cabbage juice	red cabbage		grocery store
silicon dioxide	Sand	SiO <sub>2</sub>	hardware store, garden supply, washed beach sand
silver	Silver	Ag	coin store
sodium acetate	heating pad (supersaturated solution)	NaC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>	drug store, sporting goods
sodium borate	Borax	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	grocery store
sodium carbonate	washing soda	Na <sub>2</sub> CO <sub>3</sub>	grocery store
sodium chloride	table salt	NaCl	grocery store
sodium hydrogen carbonate	baking soda	NaHCO <sub>3</sub>	grocery store
sodium hydroxide	lye caustic soda	NaOH	grocery store, hardware store
sodium hypochlorite	bleach (5% solution) mildew remover	NaClO	grocery store, paint store
sodium nitrate	nitrate of soda	NaNO <sub>3</sub>	garden supply
sodium phosphate	trisodium phosphate	Na <sub>3</sub> PO <sub>4</sub>	paint store
sodium silicate	water glass	Na <sub>2</sub> SiO <sub>3</sub>	hardware store
sodium sulfite		Na <sub>2</sub> SO <sub>3</sub>	photo store
sodium sulfate		Na <sub>2</sub> SO <sub>4</sub>	photo store
sodium thiosulfate	Hypo	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	photo store
stearic acid	candle hardener	C <sub>17</sub> H <sub>35</sub> CO <sub>2</sub> H	hobby shop
sucrose	table sugar	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	grocery store
sulfur	flowers of sulfur	S	drug store, hardware store
sulfuric acid	battery acid	H <sub>2</sub> SO <sub>4</sub>	auto store, gas station
tannic acid	Tannin	C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>	drug store, dye/fabric store, photo store
thymolphthalein	disappearing ink	C <sub>28</sub> H <sub>30</sub> O <sub>4</sub>	toy/novelty store
1,1,1-trichloroethane	cleaning fluid	CCl <sub>3</sub> CH <sub>3</sub>	hardware store
urea	ice melter fertilizer	H <sub>2</sub> NCONH <sub>2</sub>	hardware store, garden supply