Inorganic Chemicals

Definition of "Inorganic" Used

This list defines an inorganic chemical to be any that lacks a carbon-carbon or a carbon-hydrogen bond. However, certain exceptions have been made when the categorisation made by the above definition is widely regarded as being inappropriate. For example, lead acetate and uranyl acetate are both classed as inorganic, as they are far more likely to be used as a source of lead or uranyl ions than acetate ions. Conversely, urea, thiourea, isocyanuric acid and trichloroisocyanuric acid have been classed as organic, as they all have a relatively complex carbon based structure. Likewise, tetrachloromethane is classed as organic by analogy with similar methane derivatives.

Aluminium

Formula: Al
Synonyms: Elemental Aluminium, Metallic Aluminium

Suppliers

• Fibreglass making suppliers sell aluminium powder as a lightweight filler. The particles may be wax coated, to reduce flammability.

ABL Stevens (UK)
CFS Fibreglass Supplies (UK)
Eager Plastics (USA)
Fiberglass Supply Inc (USA)

• Aluminium powder is sold as a filler by art suppliers who cater to sculptors. The particles may be wax coated, to reduce flammability.

Alec Tiranti Ltd (UK)

• Some metallic paints contain aluminium powder. Therefore, it is available from good automotive and art suppliers. The particles may be wax coated, to reduce flammability.

Kremer Pigments (Global)

• Kitchen foil is made from aluminium. It is usually coated with a polymer such as PTFE.

• Pyrotechnic suppliers sell aluminium in various forms.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some art suppliers sell aluminium leaf and aluminium foil.

Alec Tiranti (UK)

Aluminium Ammonium Sulphate

Formula: $AlNH_4(SO_4)_2$

Synonyms: Ammonium Aluminium Sulphate

Suppliers

• Some alternative photographic suppliers sell it either by name or as "Ammonium Alum".

Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Aluminium Hydroxide

Formula: $Al(OH)_3$

Synonyms: –

Suppliers

• Some specialist art suppliers sell it as a thickening agent.

Kremer Pigments (Global)

• Some pottery suppliers sell it as "Alumina Hydroxide", "Alumina Hydrate" or "Hydrated Alumina".

Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Aluminium Oxide

Formula: Al_2O_3

Synonyms: –

Suppliers

• Pottery suppliers and some building suppliers sell it as "Alumina" or "Alumina Oxide".

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Skylighter (USA)

• Some telescope making suppliers sell it as a grinding agent for the fabrication of optical components.

Beacon Hill Telescopes (UK)
Salem Distributing Company (USA)

Aluminium Phosphide

Formula: AlP
Synonyms: Aluminium Monophosphide

Suppliers

• Some fumigation tablets contain aluminium phosphide as their active ingredient. (When water is added, they release phosphine.)

Aluminium Potassium Sulphate

Formula: $AlK(SO_4)_2$

Synonyms: Potassium Aluminium Sulphate

Suppliers

• Dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Alum" for use as a mordant. It should be noted that the term alum refers to a range of compounds.

Dharma Trading (USA)
Fibrecrafts (UK)
Homecrafts (UK)
Maiwa (Canada)
The Spinning Shop (USA)
The Woolery (USA)

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it as "Alum".

Kremer Pigments (Global)

Aluminium Sulphate

Formula: $Al_2(SO_4)_3$

Synonyms: –

Suppliers

• Some swimming pool suppliers sell it as a "Clarifier" or "Flocculant", either by name, or as "Alum". (It should be noted that the term alum refers to a range of compounds.)

Pool Sauna and Spa Chemicals (UK)
Swimming Pool Chemicals (UK)

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some taxidermy suppliers sell it.

AAA Supply House (Canada)

Ammonium Bromide

Formula: NH_4Br

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Ammonium Carbonate

Formula: $(NH_4)_2CO_3$

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Ammonium Chloride

Formula: NH_4Cl

Synonyms: –

Suppliers

• It is sold by some electronics suppliers as a soldering flux, either by name or as "Sal Ammoniac".

• It is used by some ski slopes as a snow treatment agent (to slow melting at above freezing temperatures).

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some metal working and jewellery making suppliers sell it.

Sutton Tools (UK)

Ammonium Dichromate

Formula: $(NH_4)_2Cr_2O_7$

Synonyms: Ammonium Bichromate

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some pyrotechnic suppliers sell it.

Skylighter (USA)

Ammonium Hexachloroplatinate(IV)

Formula: $(NH_4)_2PtCl_6$

Synonyms: Ammonium Chloroplatinate

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Ammonium Hydrogen Carbonate

Formula: NH_4HCO_3

Synonyms: Ammonium Bicarbonate

Suppliers

• It is sold by some food suppliers as "Baking Ammonia" or "Hartshorn".

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Ammonium Hydrogen Fluoride

Formula: NH_4HF_2

Synonyms: Ammonium Bifluoride

Suppliers

• It is the active ingredient of some rust stain removers.

Ammonium Hydroxide

Formula: NH_4OH

Synonyms: Ammonia Solution

Suppliers

• Dilute ammonia solution (typically 10%) is sold by some grocery and hardware stores by name, or as "Clear Ammonia".

• Some alternative photographic suppliers sell it in varying concentrations.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some metal working and jewellery making suppliers sell it.

Sutton Tools (UK)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Ammonium Iodide

Formula: NH_4I

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)

Ammonium Molybdate

Formula: $(NH_4)_6Mo_7O_{24}$

Synonyms: Ammonium Heptamolybdate

Suppliers

• Some garden centres and agricultural suppliers sell it as a trace nutrient fertiliser.

Hydro Gardens (USA)

Ammonium Nitrate

Formula: NH_4NO_3

Synonyms: –

Suppliers

• Some instant cold packs contain ammonium nitrate. (When the pack is activated, this is mixed with water from a separate compartment.) Such packs can contain urea instead of ammonium

nitrate.

• Some occult suppliers sell it.

Sorcerers Apprentice (UK)

• Some garden centres and agricultural suppliers sell it as a high nitrogen fertiliser.

Garden Chemicals (UK)
Garden Direct (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
United Nuclear (USA)

Ammonium Perchlorate

Formula: NH_4ClO_4

Synonyms: Ammonium Chlorate(VII)

Suppliers

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Ammonium Peroxodisulphate

Formula: $(NH_4)_2S_2O_8$

Synonyms: Ammonium Persulphate

Suppliers

• Some electronics suppliers sell it as a PCB etchant.

Circuit Specialists (USA)
Kelvin (USA)

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Ammonium Sulphamate

Formula: $NH_4SO_3NH_2$

Synonyms: –

Suppliers

• It is the active ingredient of some root killers sold by garden centres.

Garden Direct (UK)

Ammonium Sulphate

Formula: $(NH_4)_2SO_4$

Synonyms: –

Suppliers

• Some brewing and winemaking suppliers sell it.

Luton Winemaker Stores (UK)

• Some garden centres and agricultural suppliers sell it as a fertiliser, either by name, or as "Sulphate of Ammonia".

Garden Direct (UK)
Hydro Gardens (USA)
Paradise Park (UK)

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Photographers' Formulary (USA)

Ammonium Thiocyanate

Formula: NH_4SCN

Synonyms: –

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Ammonium Thiosulphate

Formula: $(NH_4)_2S_2O_3$

Synonyms: Ammonium Hyposulphite

Suppliers

• Some alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Antimony

Formula: Sb
Synonyms: Elemental Antimony

Suppliers

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Antimony(III) Oxide

Formula: Sb_2O_3

Synonyms: Antimony Trioxide, Antimony Sesquioxide.

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)

Antimony(III) Sulphide

Formula: Sb_2S_3

Synonyms: Antimony Trisulphide

Suppliers

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell it as "Antimony Red" dry pigment.

Kremer Pigments (Global)

Argon

Formula: Ar
Synonyms: –

Suppliers

• Welding suppliers sell it as an inert gas.

Barium Carbonate

Formula: $BaCO_3$

Synonyms: –

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Barium Chlorate

Formula: $Ba(ClO_3)_2$

Synonyms: Barium Chlorate(V)

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Barium Chloride

Formula: $BaCl_2$

Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Skylighter (USA)

Barium Chromate

Formula: $BaCrO_4$

Synonyms: –

Suppliers

• Some specialist art suppliers sell it as "Barium Yellow" dry pigment.

Kremer Pigments (Global)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Barium Hydroxide

Formula: $Ba(OH)_2$

Synonyms: –

Suppliers

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Barium Nitrate

Formula: $Ba(NO_3)_2$

Synonyms: –

Suppliers

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Barium Peroxide

Formula: BaO_2

Synonyms: Barium Dioxide

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)

Barium Sulphate

Formula: $BaSO_4$

Synonyms: –

Suppliers

• Some specialist art suppliers sell it as "Barium White" dry pigment.

Kremer Pigments (Global)

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some fibreglass making suppliers sell it as an inert heavyweight filler.

Eager Plastics (USA)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)

Beryllium

Formula: Be
Synonyms: Elemental Beryllium, Metallic Beryllium

Suppliers

• Some science and hobby suppliers sell it

United Nuclear (USA)

Bismuth

Formula: Bi
Synonyms: Metallic Bismuth, Elemental Bismuth

Suppliers

• Bismuth is sold as a metal for casting by some art suppliers who cater to sculptors.

Alec Tiranti Ltd (UK)

• Bismuth is the main ingredient of many environmentally friendly lead shot substitutes (available from some gun suppliers). It is usually alloyed with tin.

• Some science and hobby suppliers sell it

Science Toys (USA)
United Nuclear (USA)

• Synthetically grown bismuth crystals are sold a novelty item in some geological and new-age shops. They are notable for having rectangular step-like crystals, and a multi-coloured irridenscent finish.

Bismuth(III) Oxide

Formula: Bi_2O_3
Synonyms: Bismuth Trioxide, Bismuth Sesquioxide

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Bismuth Subcarbonate

Formula: $(BiO)_2CO_3$

Synonyms: Bismuth Carbonate, Bismuth Oxycarbonate

Suppliers

• Some pyrotechnic suppliers sell it.

Skylighter (USA)

Bismuth Subnitrate

Formula: $BiONO_3$

Synonyms: Bismuth Oxynitrate

Suppliers

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Boric Acid

Formula: H_3BO_3

Synonyms: Orthoboric Acid

Suppliers

• Some pharmacies sell it from behind the counter.

• It is the active ingredient of some insect killing powders, particularly those for home use.

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some garden centres and agricultural suppliers sell it as a trace nutrient fertiliser.

Hydro Gardens (USA)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Cadmium Bromide

Formula: $CdBr_2$

Synonyms: Cadmium(II) Bromide, Cadmium Dibromide

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
Photographers' Formulary (USA)
Rayco (UK)

Cadmium Iodide

Formula: CdI_2

Synonyms: Cadmium(II) Iodide, Cadmium Diiodide

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)

Cadmium Oxide

Formula: CdO
Synonyms: Cadmium(II) Oxide

Suppliers

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Cadmium Sulphide

Formula: CdS

Synonyms: Cadmium(II) Sulphide

Suppliers

• Some specialist art suppliers sell it as "Cadmium Yellow" dry pigment. (Other cadmium pigments are doped with impurities. Also, avoid substitutes.)

Kremer Pigments (Global)

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Caesium Chloride

Formula: CsCl
Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)

Caesium Tetrachloropalladate(II)

Formula: Cs_2PdCl_4

Synonyms: Caesium Palladium Chloride, Caesium Tetrachloropalladite, Caesium Chloropalladite

Suppliers

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)

Calcium Carbide

Formula: CaC_2

Synonyms: Calcium Dicarbide, Calcium Acetylide

Suppliers

• Some caving suppliers sell it as fuel for acetylene lamps.

• Some pyrotechnic suppliers sell it.

United Nuclear (USA)

Calcium Carbonate

Formula: $CaCO_3$

Synonyms: –

Suppliers

• Pottery suppliers sell it as "Chalk", "Limestone" or by name.

Briar Wheels (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)

• Brewing and winemaking suppliers sell it as "Chalk", "Precipitated Chalk", or by name.

Art of Brewing (UK)
Beer Beer and More Beer (USA)
Defalco's (USA)
Fine Vine Wines (USA)
Hamstead Brewing Centre (UK)
HBS (UK)
The Home Brew Shop (UK)
Home Brewing Mail Order (UK)
Hop Shop (UK)
Luton Winemaker Stores (UK)

• Pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell it as an inert filler, either by name or as "Marble Filler".

Alec Tiranti Ltd (UK)
Kremer Pigments (Global)

• Some garden centres sell it as a soil additive to reduce pH, either by name or as "Carbonate of Lime". It may also be sold as "Lime", a name which can also refer to calcium oxide and calcium hydroxide.

Garden Direct (UK)
Paradise Park (UK)

• Some cosmetics making suppliers sell it as "Chalk".

Aromantic (UK)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Calcium Chloride

Formula: $CaCl_2$

Synonyms: –

Suppliers

• The granules in most chemical dehumidifiers are anhydrous calcium chloride. Refill bags are also available.

• Calcium chloride is the active ingredient of some road deicers.

• Some swimming pool suppliers sell it as an agent to increase the hardness of water.

Focus Pools (USA)
Pool Sauna and Spa Chemicals (UK)
Swimming Pool Chemicals (UK)

• Some garden centres and agricultural suppliers sell it as a trace nutrient fertiliser.

Hydro Gardens (USA)

• Some brewing and winemaking suppliers sell it.

Beer Beer and More Beer (USA)
Defalco's (USA)
The Home Brew Shop (UK)
Hop Shop (UK)

• Some pottery suppliers sell calcium chloride solution.

Briar Wheels (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)

Calcium Fluoride

Formula: CaF_2

Synonyms: –

Suppliers

• Some pottery suppliers sell it as "Fluorite", "Fluorspar" or by name.

Seattle Pottery Supply (USA)

Calcium Hydroxide

Formula: $Ca(OH)_2$

Synonyms: –

Suppliers

• Agricultural suppliers and garden centres sell it as "Slaked Lime" or "Hydrated Lime". It may also be sold as "Lime", a name which can also refer to calcium oxide and calcium carbonate.

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as by name or as "Calx".

Maiwa (Canada)
The Spinning Shop (USA)

Calcium Hypochlorite

Formula: $Ca(OCl)_2$

Synonyms: Calcium Chlorate(I), Calcium Oxychloride

Suppliers

• "Bleaching Powder" (sold by some cleaning suppliers) contains calcium hypochlorite. This is mixed with calcium chloride and calcium chloride hypochlorite, as a result of the manufacturing process.

• Swimming pool suppliers sell it as "Cal Hypo", "Shock Treatment Granules" or by name. The product supplied may be bleaching powder (see above), or it may be of higher purity.

Focus Pools (USA)
Pool Plaza (USA)
Pool Sauna and Spa Chemicals (UK)
Swimming Pool Chemicals (UK)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Calcium Nitrate

Formula: $Ca(NO_3)_2$

Synonyms: –

Suppliers

• Some agricultural suppliers and garden centres sell it as a fertiliser.

Atlantis Hydroponics (USA)

Garden Direct (UK)
Hydro Gardens (USA)

Calcium Oxide

Formula: CaO
Synonyms: –

Suppliers

• Some building suppliers sell it as "Quicklime". It may also be sold as "Lime", a name which can also refer to calcium oxide and calcium carbonate.

• Some self-heating food cans have a compartment filled with calcium oxide. (When the can is activated, this is mixed with water from a separate compartment.)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Calcium Silicide

Formula: $CaSi_2$ (Approx.)

Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Calcium Sulphate

Formula: $CaSO_4$

Synonyms: –

Suppliers

• Art suppliers (and some hardware stores) sell it as "Plaster of Paris".

• Brewing and winemaking suppliers sell it as "Gypsum" or by name.

Art of Brewing (UK)
Beer Beer and More Beer (USA)
Defalco's (USA)
Hamstead Brewing Centre (UK)
HBS (UK)
The Home Brew Shop (UK)
Home Brewing Mail Order (UK)

Hop Shop (UK)
Luton Winemaker Stores (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Skylighter (USA)

• Some garden centres sell it as a soil additive, either by name or as "Gypsum".

Garden Direct (UK)

• Blackboard chalk is usually made from calcium sulphate.

Carbon (Amorphous)

Formula: C
Synonyms: –

Suppliers

• Activated charcoal is sold by some aquarium suppliers.

• Charcoal is sold by some grocery and hardware stores as a fuel for barbeques. Charcoal briquettes are usually very impure, as they contain fillers and binding agents.

• Some alternative photographic suppliers sell "Lampblack" or "Carbon Black" (a fine carbon powder produced by burning acetylene).

Artcraft (USA)
Photographers' Formulary (USA)

• Pyrotechnic suppliers sell charcoal powder.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell powdered charcoal.

Kremer Pigments (Global)

• Some specialist art suppliers sell lampblack (see above).

Kremer Pigments (Global)

• Some garden centres and agricultural suppliers sell wood charcoal as an additive for soil and compost.

Garden Direct (UK)
Paradise Park (UK)

• Some pyrotechnic suppliers sell lampblack (see above).

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)

• Coal is mostly carbon. Anthracite is the most pure type.

Carbon (Graphite)

Formula: C
Synonyms: –

Suppliers

• "Brazing Rods" and "Gouging Rods" for use in welding are often made from graphite.

• The cores of zinc-carbon batteries are made from graphite.

• Some hardware stores sell graphite as "Black Lead" for polishing fireplaces.

• Pencil leads consist of powdered graphite fired with clay. Softer pencils generally contain less clay.

• Some science and hobby suppliers sell graphite sticks.

United Nuclear (USA)

• Some specialist art suppliers sell graphite powder as a pigment.

Alec Tiranti Ltd (UK)
Kremer Pigments (Global)

• Some fibreglass making suppliers sell graphite powder as a pigment.

Fiberglass Supply Inc (USA)

• Some hardware stores sell graphite powder as a lubricant.

• Some pyrotechnic suppliers sell graphite powder.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)

Carbon Dioxide

Formula: CO_2

Synonyms: –

Suppliers

• Welding suppliers sell it as an inert gas.

• It is sold by some swimming pool suppliers as a "pH Minus" (i.e. an agent to decrease the pH of water).

Carbon Dioxide (Dry Ice)

Formula: CO_2

Synonyms: Frozen Carbon Dioxide

Suppliers

• Some party suppliers sell it (for use in fog effects).

• Some food suppliers (especially those catering to ice cream vendors) sell it as a cooling agent.

• Some fishing suppliers sell it (to enable anglers to flash-freeze their catch).

Cerium(IV) Oxide

Formula: CeO_2

Synonyms: Cerium Oxide, Ceric Oxide, Cerium Dioxide

Suppliers

• Some telescope making suppliers sell it as a polishing powder for the fabrication of optical components.

Beacon Hill Telescopes (UK)
Salem Distributing Company (USA)

• Some jewellery making and mineralogy suppliers sell it as a polishing powder.

Homecrafts (UK)

Chloroauric Acid

Formula: $AuCl_3.HCl$

Synonyms: Gold Chloride, Tetrachloroauric Acid

Suppliers

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Chromium(III) Oxide

Formula: Cr_2O_3

Synonyms: Chromic Oxide

Suppliers

• Pottery suppliers sell it, either by name or as "Chrome Oxide".

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some specialist art suppliers sell it as "Chrome Green" dry pigment.

Kremer Pigments (Global)
Alec Tiranti (UK)

• Cosmetics making suppliers sell it as "Chrome Green" pigment.

Aromantic (UK)

Chromium(VI) Oxide

Formula: CrO_3

Synonyms: Chromic Acid Anhydride, Chromium Trioxide

Suppliers

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)

Chromium(III) Potassium Sulphate

Formula: $CrK(SO_4)_2$

Synonyms: Chromic Potassium Sulphate, Chrome Alum

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural

dyes), sell it.

Cobalt(II) Aluminate

Formula: $CoAl_2O_4$

Synonyms: Cobaltous Aluminate

Suppliers

• Some specialist art suppliers sell it "Cobalt Blue" dry pigment. (Avoid Substitutes.)

Kremer Pigments (Global)
Alec Tiranti (UK)

Cobalt(II) Carbonate

Formula: $CoCO_3$

Synonyms: Cobaltous Carbonate

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

United Nuclear (USA)

Cobalt(II) Oxide

Formula: CoO
Synonyms: Cobaltous Oxide

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Pyrotechnic suppliers sell it

Skylighter (USA)
United Nuclear (USA)

Cobalt(II) Sulphate

Formula: $CoSO_4$

Synonyms: Cobaltous Sulphate

Suppliers

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Copper

Formula: Cu
Synonyms: Elemental Copper, Metallic Copper

Suppliers

• Fibreglass making suppliers sell copper powder as an inert filler.

ABL Stevens (UK)
CFS Fibreglass Supplies (UK)
Eager Plastics (USA)

• The wire in electrical cabling is usually copper.

• Some suppliers of metal wire for jewellery and craft sell copper wire.

wires.co.uk (UK)

• Some science and hobby suppliers sell copper strips.

United Nuclear (USA)

• Art suppliers catering to sculptors and model makers sell copper powder as an inert filler.

Alec Tiranti (UK)
Kremer Pigments (Global)

• Some art suppliers sell copper foil.

Alec Tiranti (UK)

• Some hardware stores and building suppliers sell copper sheet, for roof flashing.

• Pipes for plumbing (sold by most hardware stores) are usually made from copper.

Copper(II) Bromide

Formula: $CuBr_2$

Synonyms: Cupric Bromide

Suppliers

• Some alternative photographic suppliers sell it.

Silverprint (UK)

Copper(II) Carbonate

Formula: $CuCO_3$

Synonyms: Cupric Carbonate

Suppliers

• Pottery suppliers sell it as "Copper Carbonate". The product supplied may have a significant hydroxide content.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Copper(II) Carbonate Dihydroxide

Formula: $Cu_2CO_3(OH)_2$

Synonyms: Cupric Carbonate Dihydroxide, Basic Copper Carbonate

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Bath Potters (UK)

• Some specialist art suppliers sell it as "Malachite" dry pigment.

Kremer Pigments (Global)

Copper(II) Chloride

Formula: $CuCl_2$

Synonyms: Cupric Chloride

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
United Nuclear (USA)

Copper(II) Chloride Trihydroxide

Formula: $Cu_2Cl(OH)_3$

Synonyms: Copper Oxychloride

Suppliers

• Some garden centres and agricultural suppliers sell it as "Copper Fungicide". (Such products may consist of copper(II) sulphate instead.)

Paradise Park (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Copper(II) Nitrate

Formula: $Cu(NO_3)_2$

Synonyms: Cupric Nitrate

Suppliers

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)

Copper(I) Oxide

Formula: Cu_2O

Synonyms: Cuprous Oxide

Suppliers

• Some pottery suppliers sell it as "Red Copper Oxide".

Homecrafts (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Copper(II) Oxide

Formula: CuO
Synonyms: Cupric Oxide

Suppliers

• Pottery suppliers sell it as "Black Copper Oxide" or just as "Copper Oxide".

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
United Nuclear (USA)

Copper(II) Sulphate

Formula: $CuSO_4$

Synonyms: Cupric Sulphate

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Copper Mordant".

Fibrecrafts (UK)
Kremer Pigments (Global)
The Spinning Shop (USA)
The Woolery (USA)

• Some agricultural suppliers and garden centres sell it as "Copper Fungicide" or as a rootkiller. (Such products may consist of copper(II) chloride trihydroxide instead.) It is also sold as an agent to clean water butts and prevent the growth of algae.

Garden Direct (UK)

• Some agricultural suppliers and garden centres sell it as a trace nutrient fertiliser.

Garden Chemicals (UK)
Hydro Gardens (USA)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Diammonium Phosphate

Formula: $(NH_4)_2HPO_4$

Synonyms: Dibasic Ammonium Phosphate, Diammonium Hydrogen Phosphate

Suppliers

• Some brewing and winemaking suppliers sell it as a nutrient.

Beer Beer and More Beer (USA)
Luton Winemaker Stores (UK)

• Some agricultural suppliers and garden centres sell it as a fertiliser. It is often given the unspecific name "Ammonium Phosphate".

Hydro Gardens (USA)

Dipotassium Phosphate

Formula: K_2HPO_4

Synonyms: Dibasic Potassium Phosphate, Dipotassium Hydrogen Phosphate

Suppliers

• Some brewing and winemaking suppliers sell it as a nutrient. It is often given the unspecific name "Potassium Phosphate".

Luton Winemaker Stores (UK)

• Some agricultural suppliers and garden centres sell it as a fertiliser. As above, it is often called "Potassium Phosphate".

Hydro Gardens (USA)

Disodium Phosphate

Formula: Na_2HPO_4

Synonyms: Dibasic Sodium Phosphate, Disodium Hydrogen Phosphate

Suppliers

• It is sold by some aquarium suppliers as a "pH Down" (i.e. an agent to decrease the pH of water).

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Erbium Oxide

Formula: Er_2O_3

Synonyms: Erbium(III) Oxide

Suppliers

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Europium Oxide

Formula: Eu_2O_3

Synonyms: Europium(III) Oxide

Suppliers

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Field's Metal

Formula: In (51%), Bi (32.5%), Sn (16.5%)
Synonyms: Field's Alloy

Suppliers

• Some science and hobby suppliers sell it

Science Toys (USA)

Gallium

Formula: Ga
Synonyms: Elemental Gallium, Metallic Gallium

Suppliers

• Some science and hobby suppliers sell it.

Science Toys (USA)

Gallium Indium Eutectic

Formula: Ga (76%), In (24%)
Synonyms: Gallium Indium Alloy

• Some science and hobby suppliers sell it.

Science Toys (USA)

• The liquid metal in thermometers, tilt switches and other measuring devices is sometimes gallium indium eutectic. (Mercury is usually in such roles, but it is being gradually phased out for safety reasons.)

Gold

Formula: Au
Synonyms: Elemental Gold, Metallic Gold

Suppliers

• Some suppliers of metal wire for jewellery and craft sell gold wire.

wires.co.uk (UK)

• Gold alloys (usually containing copper) can be recycled from old jewellery. 18 carat gold is 75% pure, whilst 9 carat gold is only 37.5% pure. (Pure gold is extremely soft, and consequently is rarely used in jewellery.)

• Some art suppliers sell gold leaf.

Alec Tiranti (UK)

• Some jewellers and coin suppliers sell gold bullion, or gold coins.

Helium

Formula: He
Synonyms: –

Suppliers

• Some welding suppliers sell it as an inert gas.

• Some party suppliers sell it for filling balloons. It is often diluted with air or oxygen to prevent asphyxiation.

Hydrochloric Acid

Formula: HCl (aq)
Synonyms: –

Suppliers

• It is the active ingredient of some heavy duty "Patio Cleaners" sold by hardware stores.

• It is the active ingredient of some toilet bowl cleaners. Unfortunately, a lot of these are too impure to be of much use.

• It is sold by some swimming pool suppliers as a "pH Minus" (i.e. an agent to decrease the pH of water). It may be sold by name, or as "Muriatic Acid".

Pool Plaza (USA)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Hydrofluoric Acid

Formula: HF (aq)
Synonyms: –

Suppliers

• "Whink" rust stain remover is very dilute hydrofluoric acid.

Hydrogen

Formula: H_2

Synonyms: –

Suppliers

• Some welding suppliers sell it.

Hydrogen Peroxide

Formula: H_2O_2

Synonyms: –

Suppliers

• Some pharmacies sell dilute hydrogen peroxide from behind the counter.

• Hydrogen peroxide solution is one of the components of two-part wood bleaches, sold by some hardware stores.

• Some hydroponics suppliers sell concentrated solutions of it (up to 50%, although usually lower) as an oxygenation agent. It may be sold by name, or as "Liquid Oxygen".

Atlantis Hydroponics (USA)
Elements Hydroponics Centre (UK)
GroWell Hydroponics (UK)
HydroHobby (UK)

• Some alternative photographic suppliers sell dilute hydrogen peroxide.

Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

• Some taxidermy suppliers sell it.

AAA Supply House (Canada)

Hydroxylamine Hydrochloride

Formula: $NH_2OH.HCl$

Synonyms: Hydroxylinium Chloride

Suppliers

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)
Rayco (UK)

Hydroxylamine Sulphate

Formula: $NH_2OH.H_2SO_4$

Synonyms: Hydroxylinium Sulphate, Hydroxylamine Hydrosulphate

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

Iodine

Formula: I
Synonyms: –

Suppliers

• Some camping suppliers sell iodine crystals as a water sterilisation agent.

• Some pharmacies sell "Tincture of Iodine" (iodine solution in ethanol) from behind the counter.

• Tincture of iodine is sold by some brewing suppliers as a sterilisation agent.

The Home Brew Shop (UK)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

Silverprint (UK)

• Some pyrotechnic suppliers sell it.

United Nuclear (USA)

Iron

Formula: Fe
Synonyms: Metallic Iron, Elemental Iron

Suppliers

• Art suppliers catering to sculptors and model makers sell iron powder as a filler.

Alec Tiranti (UK)
Kremer Pigments (Global)

• Iron is the predominant ingredient in steel. Mild steel (used for nuts, bolts, screws, structural materials, etc...) is generally the most pure (having less impurity than cast iron). Corrosion resistant and other specialist steels are generally very impure.

• Steel wool (used as heavy duty scouring material) can be bought from good grocery stores and hardware/DIY stores.

• Some occult suppliers sell iron filings.

Sorcerers Apprentice (UK)

• Some educational and hobby suppliers sell iron filings.

Kelvin (USA)
Science Stuff (USA)
Rare Earth Magnets (USA)
Education and Hobbies Supplies (UK)

• Some pyrotechnic suppliers sell iron powder

Firefox Enterprises (USA)
Skylighter (USA)

• Some fibreglass making suppliers sell iron powder as a filler.

ABL Stevens (UK)
Eager Plastics (USA)

Iron(III) Ammonium Sulphate

Formula: $FeNH_4SO_4$

Synonyms: Ferric Ammonium Sulphate, Iron Ammonium Alum, Ferric Ammonium Alum

Suppliers

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)
Silverprint (UK)

Iron(III) Chloride

Formula: $FeCl_3$

Synonyms: Ferric Chloride, Iron Perchloride, Iron Trichloride

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Electronics suppliers sell it (and solutions of it) as printed circuit board (PCB) etchant.

Circuit Specialists (USA)
Farnell (Global)
Kelvin (USA)
Maplin (UK)
MarVac Electronics (USA)
Mega Electronics (UK)
RS Components (Global)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Iron Chromate

Formula: $FeCrO_4$

Synonyms: –

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)

US Pigment Corp. (USA)

Iron(III) Nitrate

Formula: $Fe(NO_3)_3$

Synonyms: Ferric Nitrate

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Iron(II,III) Oxide

Formula: Fe_3O_4

Synonyms: Ferrosic Oxide, Ferrosoferric Oxide

Suppliers

• Pottery suppliers sell it as "Black Iron Oxide" or "Magnetite".

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Iron(III) Oxide

Formula: Fe_2O_3

Synonyms: Ferric Oxide

Suppliers

• Pottery suppliers sell it as "Red Iron Oxide" or just as "Iron Oxide".

Briar Wheels (UK)

Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some specialist art suppliers sell it as "Red Iron Oxide" dry pigment.

Kremer Pigments (Global)
Alec Tiranti (UK)

• Rust is mainly hydrated iron(III) oxide.

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

• Some building suppliers sell it as a pigment for concrete.

Iron(II) Sulphate

Formula: $FeSO_4$

Synonyms: Ferrous Sulphate

Suppliers

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Iron Mordant".

Dharma Trading (USA)
Fibrecrafts (UK)
Kremer Pigments (Global)
Maiwa (Canada)
The Spinning Shop (USA)
The Woolery (USA)

• Many agricultural suppliers and garden centres sell it as a trace nutrient fertiliser, either by name

or as "Sulphate of Iron".

Garden Direct (UK)
Hydro Gardens (USA)
Paradise Park (UK)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)

Iron(III) Sulphate

Formula: $Fe_2(SO_4)_3$
Synonyms: Ferric Sulphate

Suppliers

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)

Iron(II) Sulphide

Formula: FeS
Synonyms: –

Suppliers

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Lead

Formula: Pb
Synonyms: Metallic Lead, Elemental Lead

Suppliers

• Building suppliers and some hardware stores sell lead sheet for roof flashing.

• Some hobby and craft suppliers sell rolls of lead strip for decorating glass. The lead is sometimes coated with an adhesive.

• "Lead Shot" (available from some gun suppliers) is mostly lead. It can contain up to 10% antimony and some tin.

• Some science and hobby suppliers sell lead sheeting

United Nuclear (USA)

• Many scrapyards sell it.

Lead(II) Acetate

Formula: $Pb(CH_3COO)_2$

Synonyms: Lead(II) Ethanoate, Plumbous Acetate

Suppliers

• Some dyeing and textile suppliers sell it as "Sugar of Lead".

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)

Lead(II) Antimonate

Formula: $PbSb_2O_6$

Synonyms: Plumbous Antimonate

Suppliers

• Some specialist art suppliers sell it as "Naples Yellow" dry pigment. (Avoid Substitutes.)

Kremer Pigments (Global)

Lead(II) Chromate

Formula: $PbCrO_4$

Synonyms: Plumbous Chromate

Suppliers

• Some specialist art suppliers sell it as "Chrome Yellow" dry pigment. (Avoid Substitutes.)

Kremer Pigments (Global)

Lead(II) Oxide

Formula: PbO

Synonyms: Plumbous Oxide

Suppliers

• Impure lead(II) oxide is present on both electrodes of the cells in an uncharged lead-acid battery.

• Some pottery suppliers sell it as "Litharge".

Seattle Pottery Supply (USA)

• Some pyrotechnic suppliers sell it as "Litharge".

Pyrotek / N. E. Lab Supply (USA)

Lead(II,IV) Oxide

Formula: Pb_3O_4

Synonyms: Lead Tetroxide

Suppliers

• Some pottery supplier sell it as "Red Lead" or "Read Lead Oxide".

Homecrafts (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Skylighter (USA)

• Some specialist art suppliers sell it as "Red Lead" dry pigment.

Kremer Pigments (Global)

Lead(IV) Oxide

Formula: PbO_2

Synonyms: Plumbic Oxide, Lead Dioxide

Suppliers

• Impure lead(IV) oxide is present on the anodes of the cells in a charged lead-acid battery.

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Lead(II) Sulphate

Formula: $PbSO_4$

Synonyms: Plumbous Sulphate

Suppliers

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Lead(II) Sulphide

Formula: PbS
Synonyms: Plumbous Sulphide

Suppliers

• Some specialist art suppliers sell it as "Galena".

Kremer Pigments (Global)

Lithium

Formula: Li
Synonyms: Metallic Lithium, Elemental Lithium

Suppliers

• Fresh lithium batteries contain elemental lithium. However, this is difficult to extract, as it is in the form of a fine wire.

Lithium Carbonate

Formula: Li_2CO_3

Synonyms: –

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

United Nuclear (USA)

Lithium Chloride

Formula: LiCl
Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
Rayco (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Lithium Hypochlorite

Formula: LiOCl
Synonyms: Lithium Chlorate(I)

Suppliers

• Some swimming pool and spa suppliers sell it as a chlorination agent, either by name or as "Lithium Hypo".

Focus Pools (USA)

Lithium Sulphate

Formula: Li_2SO_4

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Rayco (UK)

Lithium Tetrachloropalladate(II)

Formula: Li_2PdCl_4

Synonyms: Lithium Palladium Chloride, Lithium Tetrachloropalladite, Lithium Chloropalladite

Suppliers

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)

Magnesium

Formula: Mg
Synonyms: Metallic Magnesium, Elemental Magnesium

Suppliers

• Some campfire starters (available from camping and army stores) contain a sheet of magnesium.

• Sacrificial heater anodes (avaialble from some plumbing suppliers) are sometimes made from magnesium.

• Pyrotechnic suppliers sell magnesium in vaious forms.

Firefox Enterprises (USA)

Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Magnesium Carbonate

Formula: $MgCO_3$

Synonyms: –

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some antacid medications contain it as their active ingredient.

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

• Some taxidermy suppliers sell it.

AAA Supply House (Canada)

Magnesium Hydroxide

Formula: $Mg(OH)_2$

Synonyms: –

Suppliers

• Pharmacies sell it as "Milk of Magnesia". It is usually sold as a suspension in water, with flavourings.

• Some specialist art suppliers sell it as "Magnesia".

Kremer Pigments (Global)

Magnesium Nitrate

Formula: $Mg(NO_3)_2$

Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Magnesium Oxide

Formula: MgO
Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Magnesium Sulphate

Formula: $MgSO_4$

Synonyms: –

Suppliers

• Pharmacies often sell it as "Epsom Salts".

• Some brewing and winemaking suppliers sell it (either by name, or as "Epsom Salts").

Art of Brewing (UK)
Beer Beer and More Beer (USA)
The Home Brew Shop (UK)
Home Brewing Mail Order (UK)
Hop Shop (UK)
Luton Winemaker Stores (UK)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Many agricultural suppliers and garden centres sell it as a trace nutrient fertiliser, either by name or as "Epsom Salts".

Garden Direct (UK)
Hydro Gardens (USA)
Paradise Park (UK)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Manganese

Formula: Mn
Synonyms: Metallic Manganese, Elemental Manganese

Suppliers

• Some pyrotechnic suppliers sell manganese powder.

Skylighter (USA)

Manganese(II) Carbonate

Formula: $MnCO_3$

Synonyms: Manganous Carbonate

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Bath Potters (UK)
US Pigment Corp. (USA)

Manganese(IV) Oxide

Formula: MnO_2

Synonyms: Manganese Dioxide

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
US Pigment Corp. (USA)

• The black paste within alkaline batteries contains manganese(IV) oxide mixed with various other substances.

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell it as "Manganese Black" dry pigment.

Kremer Pigments (Global)

Manganese(II) Sulphate

Formula: $MnSO_4$

Synonyms: Manganous Sulphate

Suppliers

• Some agricultural suppliers and garden centres sell it as a trace nutrient fertiliser.

Garden Direct (UK)
Hydro Gardens (USA)

Mercury

Formula: Hg
Synonyms: Elemental Mercury, Metallic Mercury

Suppliers

• The liquid metal in some thermometers, barometers, manometers, tilt switches and other measuring devices is often mercury. Due to health and safety regulations, this is increasingly being replaced with a eutectic mixture of gallium and indium.

• Some occult suppliers sell it as "Quicksilver".

Sorcerers Apprentice (UK)

• It can be extracted (with great danger) from mercury vapour lights.

Mercury(II) Chloride

Formula: $HgCl_2$

Synonyms: Mercuric Chloride

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Mercury(II) Sulphide

Formula: HgS
Synonyms: Mercury Sulphide

Suppliers

• Some specialist art suppliers sell it as "Vermilion" dry pigment. (Avoid Substitutes.)

Kremer Pigments (Global)

Molybdenum

Formula: Mo
Synonyms: Elemental Molybdenum, Metallic Molybdenum

Suppliers

• The filament supports in some lightbulbs are made from molybdenum wire.

Molybdenum(IV) Sulphide

Formula: MoS_2

Synonyms: Molybdenum Disulphide

Suppliers

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Monoammonium Phosphate

Formula: $NH_4H_2PO_4$

Synonyms: Monobasic Ammonium Phosphate, Ammonium Dihydrogen Phosphate

Suppliers

• Some agricultural suppliers and garden centres sell it as a fertiliser, either by name or as the ambiguous "Ammonium Phosphate".

Garden Direct (UK)
Hydro Gardens (USA)

Monopotassium Phosphate

Formula: KH_2PO_4

Synonyms: Monobasic Potassium Phosphate, Potassium Dihydrogen Phosphate

Suppliers

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)
Rayco (UK)

• Some agricultural suppliers and garden centres sell it as a fertiliser, either by name or as the ambiguous "Potassium Phosphate".

Atlantis Hydroponics (USA)
Garden Direct (UK)
Hydro Gardens (USA)

Monosodium Phosphate

Formula: NaH_2PO_4

Synonyms: Monobasic Sodium Phosphate, Sodium Dihydrogen Phosphate

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

Neodymium

Formula: Nd
Synonyms: Elemental Neodymium, Metallic Neodymium

Suppliers

• Neodymium-Iron-Boron magnets contain about one third neodymium. They are available from some science and hobby suppliers.

Kelvin (USA)
Rare Earth Magnets (USA)
Science Stuff (USA)
Science Toys (USA)
United Nuclear (USA)

Neodymium Oxide

Formula: Nd_2O_3

Synonyms: Neodymium(III) Oxide

Suppliers

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Nickel

Formula: Ni
Synonyms: Elemental Nickel, Metallic Nickel

Suppliers

• Canadian $0.25 coins minted prior to 2001 are made from nickel.

• Some suppliers of metal wire for jewellery and craft sell nickel wire.

wires.co.uk (UK)

• Some electronics suppliers sell nickel blocks for use as anodes in electroplating.

Conrad (European)

Nickel(II) Carbonate

Formula: $NiCO_3$

Synonyms: Nickelous Carbonate

Suppliers

• Pottery suppliers sell it by name.

Briar Wheels (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)

US Pigment Corp. (USA)

Nickel(II) Chloride

Formula: $NiCl_2$

Synonyms: Nickelous Chloride

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Nickel(II) Oxide

Formula: NiO
Synonyms: Nickelous Oxide

Suppliers

• Some pottery suppliers sell it as "Green Nickel Oxide". (There is some ambiguity about this, and it is possible that Nickel(III) Oxide will be supplied instead.)

Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

United Nuclear (USA)

Nickel(III) Oxide

Formula: Ni_2O_3

Synonyms: Nickel Sesquioxide

Suppliers

• Pottery suppliers sell it as "Black Nickel Oxide" or just as "Nickel Oxide". (There is some ambiguity about this, and it is possible that Nickel(II) Oxide will be supplied instead.)

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
US Pigment Corp. (USA)

Nickel(II) Sulphate

Formula: $NiSO_4$

Synonyms: Nickel Sulphate

Suppliers

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)

Nitric Acid

Formula: HNO_3

Synonyms: –

Suppliers

• Some hydroponics suppliers sell it as a "pH Minus" (i.e. an agent to decrease the pH of water) for use in hard water areas.

Elements Hydroponics Centre (UK)
GroWell Hydroponics (UK)
HydroHobby (UK)

• Some alternative photographic suppliers sell it.

Artcraft (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Nitrogen

Formula: N_2

Synonyms: –

Suppliers

• Welding suppliers sell it as an inert gas.

Nitrous Oxide

Formula: N_2O

Synonyms: Dinitrogen Oxide

Suppliers

• It is used as a propellant in aerosol cans of whipped cream. Canisters of nitrous oxide are available from some food suppliers as "Gas Whippets".

Oxygen

Formula: O_2

Synonyms: –

Suppliers

• Welding suppliers sell it.

Palladium(II) Chloride

Formula: $PdCl_2$

Synonyms: Palladium Chloride, Palladous Chloride, Palladium Dichloride

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)

Phosphoric Acid

Formula: H_3PO_4

Synonyms: –

Suppliers

• It is sold by some hardware stores as a rust remover, sometimes by the name "Naval Jelly".

• Some hydroponics suppliers sell it as a "pH Minus" (i.e. an agent to decrease the pH of water).

Atlantis Hydroponics (USA)
Elements Hydroponics Centre (UK)
GroWell Hydroponics (UK)
Hydro Gardens (USA)
HydroHobby (UK)

• Some food suppliers sell it

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)
Photographers' Formulary (USA)

• Some brewing and winemaking suppliers sell it.

Beer Beer and More Beer (USA)

Defalco's (USA)

• Some hardware stores and building suppliers sell it as an etching agent for concrete.

Platinum

Formula: Pt
Synonyms: Elemental Platinum, Metallic Platinum

Suppliers

• Some suppliers of metal wire for jewellery and craft sell platinum wire.

wires.co.uk (UK)

Potassium Borohydride

Formula: KBH_4

Synonyms: Potassium Tetrahydroborate

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Potassium Bromide

Formula: KBr
Synonyms: –

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photogramme (Belgium)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Potassium Carbonate

Formula: K_2CO_3

Synonyms: –

Suppliers

• Pottery suppliers sell it, either by name or as "Pearl Ash".

Briar Wheels (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it as "Potash".

Kremer Pigments (Global)

• Some brewing and winemaking suppliers sell it.

Beer Beer and More Beer (USA)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Potassium Chlorate

Formula: $KClO_3$

Synonyms: Potassium Chlorate(V)

Suppliers

• It is the active ingredient of some oxygenating tablets for aquariums. They can be up to 98% pure (the rest probably being binding agents).

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
Photographers' Formulary (USA)

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Potassium Chloride

Formula: KCl
Synonyms: –

Suppliers

• It is the main ingredient of low sodium salt. Depending on the brand, the potassium chloride content can range from about 50% to 100%.

• Some swimming pool suppliers sell it by name or as "Muriate of Potash".

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

• Some garden centres and agricultural suppliers sell it as a fertiliser.

Garden Chemicals (UK)
Hydro Gardens (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)

Potassium Cyanide

Formula: KCN
Synonyms: –

Suppliers

• Some "Killing Jars", used by butterfly collectors to kill specimens without physically damaging them, contain potassium cyanide.

• Some metal working and jewellery making suppliers sell it.

Sutton Tools (UK)

Potassium Dichromate

Formula: $K_2Cr_2O_7$

Synonyms: Potassium Bichromate

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photogramme (Belgium)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Chrome Mordant".

Fibrecrafts (UK)
Homecrafts (UK)

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Potassium Hexachloroplatinate(IV)

Formula: K_2PtCl_6

Synonyms: Potassium Chloroplatinate

Suppliers

• Some alternative photographic suppliers sell it.

Rayco (UK)

Potassium Hexacyanoferrate(II)

Formula: $K_4Fe(CN)_6$

Synonyms: Potassium Ferrocyanide

Suppliers

• Some alternative photographic suppliers sell it.

Rayco (UK)
Silverprint (UK)

Potassium Hexacyanoferrate(III)

Formula: $K_3Fe(CN)_6$

Synonyms: Potassium Ferricyanide

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photogramme (Belgium)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Potassium Hydrogen Carbonate

Formula: $KHCO_3$

Synonyms: Potassium Bicarbonate

Suppliers

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)

• Some brewing and winemaking suppliers sell it.

Defalco's (USA)
Fine Vine Wines (USA)

Potassium Hydrogen Sulphite

Formula: $KHSO_3$

Synonyms: Potassium Bisulphite

Suppliers

• Some alternative photographic suppliers sell it.

Rayco (UK)

Potassium Hydroxide

Formula: KOH

Synonyms: –

Suppliers

• Some hydroponics suppliers sell potassium hydroxide solution as a "pH Plus" (i.e. an agent to increase the pH of water).

Elements Hydroponics Centre (UK)
GroWell Hydroponics (UK)
Hydro Gardens (USA)

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Potassium Iodide

Formula: KI
Synonyms: –

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Skylighter (USA)

Potassium Metabisulphite

Formula: $K_2S_2O_5$

Synonyms: Dipotassium Disulphite, Dipotassium Bisulphite.

Suppliers

• Brewing suppliers sell it as a sterilisation agent, either by name or as "Campden Powder".

Art of Brewing (UK)
Beer Beer and More Beer (USA)
Defalco's (USA)
Fine Vine Wines (USA)
HBS (UK)
The Home Brew Shop (UK)
Home Brewing Mail Order (UK)
Hop Shop (UK)
Luton Winemaker Stores (UK)

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Potassium Monopersulphate

Formula: KHS_2O_8

Synonyms: Potassium Peroxymonosulfate

Suppliers

• Some swimming pool suppliers sell it as a chlorine free "Shock Treatment" agent, either by name, or as "Oxygen Shock".

Focus Pools (USA)
Pool Sauna and Spa Chemicals (UK)
Swimming Pool Chemicals (UK)

Potassium Nitrate

Formula: KNO_3

Synonyms: –

Suppliers

• It is the active ingredient of some root killers sold by garden centres.

• Some garden centres and agricultural suppliers sell it as a fertiliser, either by name or as "Saltpetre". (The name "Saltpetre" can also refer to sodium nitrate. However, this is unlikely in an agricultural context.)

Atlantis Hydroponics (USA)
Garden Chemicals (UK)
Garden Direct (UK)

• Some occult suppliers sell it.

Sorcerers Apprentice (UK)

• Some alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
JD Photochem (Canada)
Rayco (UK)
Silverprint (UK)

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some metal working and jewellery making suppliers sell it.

Sutton Tools (UK)

Potassium Perchlorate

Formula: $KClO_4$

Synonyms: Potassium Chlorate(VII)

Suppliers

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)

Skylighter (USA)
United Nuclear (USA)

Potassium Permanganate

Formula: $KMnO_4$

Synonyms: Potassium Manganate(VII)

Suppliers

• Some alternative photographic suppliers sell it.

AREM Direct (UK)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some pharmacies sell it from behind the counter.

• Some aquarium suppliers sell it as a water treatment agent.

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
United Nuclear (USA)

• Some garden centres sell it as an agent to clean water butts and prevent the growth of algae.

Garden Direct (UK)

• Some hardware stores sell it as an agent to remove iron from water filters.

Potassium Peroxodisulphate

Formula: $K_2S_2O_8$

Synonyms: Potassium Persulphate

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)

Potassium Silicate

Formula: K_4SiO_4

Synonyms: Potassium Orthosilicate

Suppliers

• Some garden centres and agricultural suppliers sell it as a trace nutrient fertiliser.

Hydro Gardens (USA)

Potassium Sulphate

Formula: K_2SO_4

Synonyms: –

Suppliers

• Some brewing and winemaking suppliers sell it as a nutrient.

Luton Winemaker Stores (UK)

• Some agricultural suppliers and garden centres sell it as a fertiliser.

Atlantis Hydroponics (USA)
Garden Direct (UK)
Hydro Gardens (USA)
Paradise Park (UK)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Potassium Sulphide

Formula: K_2S

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Silverprint (UK)

• Some specialist art suppliers sell it as "Liver of Sulphur".

Kremer Pigments (Global)

• Some metal working and jewellery making suppliers sell it.

Sutton Tools (UK)

Potassium Sulphite

Formula: Na_2SO_3

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)

Potassium Tetrachloroplatinate(II)

Formula: K_2PtCl_4

Synonyms: Potassium Chloroplatinite

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)

Potassium Thiocyanate

Formula: KSCN
Synonyms: –

• Some alternative photographic suppliers sell it.

AREM Direct (UK)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Praseodymium Oxide

Formula: Pr_2O_3

Synonyms: Praseodymium(III) Oxide

Suppliers

• Some specialist art suppliers sell it as "Praseodym Yellow" dry pigment.

Kremer Pigments (Global)

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Selenium

Formula: Se
Synonyms: Elemental Selenium

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Rayco (UK)

• Some pottery suppliers sell it.

US Pigment Corp. (USA)

Silicon

Formula: Si
Synonyms: Elemental Silicon

Suppliers

• Pyrotechnic suppliers sell silicon powder.

Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Silicon Carbide

Formula: SiC
Synonyms: –

Suppliers

• Some telescope making suppliers sell it as a grinding agent for the fabrication of optical components. It may be sold by name or as "Carborundum".

Beacon Hill Telescopes (UK)
Salem Distributing Company (USA)

• Fibreglass suppliers sell it as "Carborundum".

ABL Stevens (UK)
CFS Fibreglass Supplies (UK)
Eager Plastics (USA)

• Some specialist art suppliers sell it as "Carborundum".

Kremer Pigments (Global)

• Some pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Seattle Pottery Supply (USA)

Silicon Dioxide (Amorphous)

Formula: SiO_2

Synonyms: –

Suppliers

• Silica gel is a porous form of amorphous silicon dioxide. Sachets of it can often be found in the packaging of electronic goods.

• Some alternative photographic suppliers sell silica gel.

Rayco (UK)

• Some pyrotechnic suppliers sell silica gel.

Pyrotek / N. E. Lab Supply (USA)

• Pyrotechnic suppliers sell extremely fine amorphous silicon dioxide powder as "Cab-O-Sil".

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
United Nuclear (USA)

• Some fibreglass making suppliers sell "Cab-O-Sil".

ABL Stevens (UK)
Eager Plastics (USA)
Fiberglass Supply Inc (USA)

Silicon Dioxide (Crystalline)

Formula: SiO_2

Synonyms: –

Suppliers

• Pottery suppliers sell it as "Silica" or "Quartz".

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)

Seattle Pottery Supply (USA)

• Sand is impure silicon dioxide. As a rough rule, the whiter it is, the more pure it is.

• Some specialist art suppliers sell it as "Quartz Powder"

Kremer Pigments (Global)

• Some cosmetics making suppliers sell it as "Silica".

Aromantic (UK)

• Some pyrotechnic suppliers sell it as "Silica".

Firefox Enterprises (USA)

Silver

Formula: Ag
Synonyms: Elemental Silver, Metallic Silver

Suppliers

• Some suppliers of metal wire for jewellery and craft sell silver wire.

wires.co.uk (UK)

• Silver can be recycled from old jewellery, cutlery and ornaments. Such silver is often alloyed with copper.

• Some science and hobby suppliers sell pieces of silver

United Nuclear (USA)

• Some jewellers and coin suppliers sell silver bullion, or silver coins.

Silver Nitrate

Formula: $AgNO3_3$

Synonyms: Silver(I) Nitrate, Argentous Nitrate

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Silver Oxide

Formula: Ag_2O

Synonyms: Silver(I) Oxide, Argentous Oxide

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
Rayco (UK)

Sodium Azide

Formula: NaN_3

Synonyms: –

Suppliers

• The propellant in car airbags is usually (but not always) sodium azide. This is mixed with other chemicals, such as silicon dioxide and potassium nitrate.

Sodium Borate

Formula: $Na_2B_4O_7$

Synonyms: Sodium Tetraborate

Suppliers

• Some hardware stores and cleaning suppliers sell it as "Borax".

• Some pharmacies sell it from behind the counter, either by name, or as "Borax".

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it as "Borax".

Kremer Pigments (Global)

• Some garden centres sell it as "Borax".

Garden Direct (UK)

• Some metal working and jewellery making suppliers sell it as a flux.

Sutton Tools (UK)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

• Some taxidermy suppliers sell it as "Borax".

AAA Supply House (Canada)

Sodium Borohydride

Formula: $NaBH_4$

Synonyms: Sodium Tetrahydroborate

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Sodium Bromide

Formula: NaBr
Synonyms: –

Suppliers

• Some swimming pool suppliers sell it, either by name or as "Bromine Base".

Focus Pools (USA)

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Sodium Carbonate

Formula: Na_2CO_3

Synonyms: –

Suppliers

• Some pottery suppliers sell it as "Soda Ash".

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)

• Some swimming pool suppliers sell it as a "pH Plus" (i.e. an agent to increase the pH of water). It may be sold as "Soda Ash" or by name.

Pool Plaza (USA)
Pool Sauna and Spa Chemicals (UK)
Swimming Pool Chemicals (UK)

• Impure sodium carbonate can be bought from supermarkets as "Washing Soda".

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Soda Ash".

Dharma Trading (USA)
Fibrecrafts (UK)
Maiwa (Canada)
The Spinning Shop (USA)
The Woolery (USA)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

• Some taxidermy suppliers sell it.

AAA Supply House (Canada)

Sodium Chlorate

Formula: $NaClO_3$

Synonyms: Sodium Chlorate(V)

Suppliers

• Some garden centres sell it as "Chlorate Weedkiller". It is almost always mixed with an inert filler such as sodium chloride or sodium borate. In some countries however, pure (or nearly pure) sodium chlorate is available.

Garden Direct (UK)

• Some oxidiser tablets for welding torches contain sodium chlorate. Sodium perchlorate may also be used.

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Sodium Chloride

Formula: NaCl
Synonyms: –

Suppliers

• Table salt is impure sodium chloride. It usually contains anti-caking agents such as magnesium carbonate and sodium hexacyanoferrate(II).

• "Canning Salt" (available from food suppliers and good grocery stores) is a more pure form of sodium chloride than table salt.

• Dishwasher salt is fairly pure sodium chloride.

• Some alternative photographic suppliers sell it.

AREM Direct (UK)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Sodium Chlorite

Formula: $NaClO_2$

Synonyms: Sodium Chlorate(III)

Suppliers

• It is the active ingredient of some water purifying tablets.

Sodium Cyanide

Formula: NaCN
Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Sodium Cyanoborohydride

Formula: $NaBH_3CN$

Synonyms: Sodium Cyanotrihydroborate

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Sodium Dichromate

Formula: $Na_2Cr_2O_7$

Synonyms: Sodium Bichromate

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Bostick and Sullivan (USA)

Sodium Dithionite

Formula: $Na_2S_2O_4$

Synonyms: Sodium Hydrosulphite

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Rayco (UK)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it.

Maiwa (Canada)

Sodium Hexachloroplatinate(IV)

Formula: Na_2PtCl_6

Synonyms: Sodium Chloroplatinate

Suppliers

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)

Sodium Hexafluoroaluminate

Formula: Na_3AlF_6

Synonyms: Trisodium Hexafluoroaluminate, Trisodium Aluminium Fluoride, Sodium Aluminium Fluoride

Suppliers

• Some pyrotechnic suppliers sell it as "Cryolite".

Pyrotek / N. E. Lab Supply (USA)
United Nuclear (USA)

• Some pottery suppliers sell it as "Cryolite" or "Kryolite".

Firefox Enterprises (USA)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Sodium Hexametaphosphate

Formula: $(NaPO_3)_6$

Synonyms: –

Suppliers

• It is the active ingredient of "Calgon" anti-limescale tablets, which are available from most grocery stores.

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as a water softener.

Dharma Trading (USA)
Fibrecrafts (UK)
Maiwa (Canada)

Sodium Hydrogen Carbonate

Formula: $NaHCO_3$

Synonyms: Sodium Bicarbonate

Suppliers

• It is sold by most grocery stores as "Bicarbonate of Soda".

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some swimming pool suppliers sell it as a "pH Plus" (i.e. an agent to increase the pH of water).

Focus Pools (USA)
Pool Plaza (USA)
Swimming Pool Chemicals (UK)

• Some cosmetics making suppliers sell it.

Aromantic (UK)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)

Sodium Hydrogen Sulphate

Formula: $NaHSO_4$

Synonyms: Sodium Bisulphate, Sodium Acid Sulphate

Suppliers

• It is sold by some swimming pool suppliers as a "pH Minus" (i.e. an agent to decrease the pH of water). It may be sold as "Dry Acid" or by name.

Focus Pools (USA)
Pool Sauna and Spa Chemicals (UK)
Swimming Pool Chemicals (UK)

• It is the active ingredient of some toilet bowl cleaners. Unfortunately, a lot of these are too impure to be of much use.

• Some alternative photographic suppliers sell it.

Photographers' Formulary (USA)
Rayco (UK)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it.

Maiwa (Canada)

Sodium Hydrogen Sulphite

Formula: $NaHSO_3$

Synonyms: Sodium Bisulphite

Suppliers

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Sodium Hydroxide

Formula: NaOH
Synonyms: –

Suppliers

• Technical grade sodium hydroxide is available from some hardware stores as "Caustic Soda" or "Lye".

• Sodium hydroxide is the active ingredient of many drain cleaning and drain unblocking products.

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it as "Caustic Soda".

Kremer Pigments (Global)

• Some brewing and winemaking suppliers sell sodium hydroxide solution.

Fine Vine Wines (USA)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Lye".

Maiwa (Canada)

• Some electronics suppliers sell sodium hydroxide solution, either as a PCB developer (for which sodium metasilicate solution is also used) or as an agent to neutralise PCB etchant.

Circuit Specialists (USA)
Farnell (Global)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Sodium Hypochlorite

Formula: NaOCl
Synonyms: Sodium Chlorate(I)

Suppliers

• Bleach is typically a 5% sodium hypochlorite solution, usually containing sodium hydroxide as well. The cheapest and most basic brands are usually the most pure, as they generally lack thickeners, scents, colouring and other undesired ingredients.

• Swimming pool suppliers sell sodium hypochlorite solution as "Liquid Chlorine" or by name.

Sodium Metabisulphite

Formula: $Na_2S_2O_5$

Synonyms: Disodium Disulphite, Disodium Bisulphite.

Suppliers

• Brewing suppliers sell it as a sterilisation agent.

Art of Brewing (UK)
Beer Beer and More Beer (USA)
Defalco's (USA)
Fine Vine Wines (USA)
Hamstead Brewing Centre (UK)
HBS (UK)
The Home Brew Shop (UK)
Home Brewing Mail Order (UK)
Hop Shop (UK)
Luton Winemaker Stores (UK)

• Some alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as an agent to neutralise bleached cotton.

Maiwa (Canada)

Sodium Metaborate

Formula: $NaBO_2$

Synonyms: –

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)

Rayco (UK)
Silverprint (UK)

Sodium Metasilicate

Formula: Na_2SiO_3

Synonyms: –

Suppliers

• "Waterglass", sometimes sold as an egg preservative is a concentrated solution of sodium metasilicate.

• Some electronics suppliers sell it as a sodium hydroxide free PCB developer.

Circuit Specialists (USA)
Farnell (Global)
Maplin (UK)
MarVac Electronics (USA)
Mega Electronics (UK)
RS Components (Global)

• Some specialist art suppliers sell sodium metasilicate solution as "Waterglass".

Kremer Pigments (Global)

Sodium Nitrate

Formula: $NaNO_3$

Synonyms: –

Suppliers

• Some butcher's shops and food suppliers sell is as "Saltpetre", for the making of certain salamis and preserved meats. (Note that the name "Saltpetre" also refers to potassium nitrate.)

• Some garden centres and agricultural suppliers sell it as a fertiliser, either by name or as "Chile Saltpetre". (In an agricultural context, the name "Saltpetre" will usually refer to potassium nitrate.)

Garden Chemicals (UK)
Garden Direct (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)

Sodium Nitrite

Formula: $NaNO_2$

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Rayco (UK)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Sodium Perborate

Formula: $NaBO_3$

Synonyms: –

Suppliers

• Some pharmacies sell it from behind the counter.

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Sodium Percarbonate

Formula: $2Na_2CO_3.3H_2O_2$

Synonyms: –

Suppliers

• Some grocery stores and hardware stores sell it as "Oxygen Bleach".

• It is the active ingredient of some coffee maker cleaners.

Sodium Perchlorate

Formula: $NaClO_4$

Synonyms: Sodium Chlorate(VII)

Suppliers

• Some oxidiser tablets for welding torches contain sodium perchlorate. Sodium chlorate may also be used.

Sodium Peroxodisulphate

Formula: $Na_2S_2O_8$

Synonyms: Sodium Persulphate

Suppliers

• Some electronics suppliers sell it as a "Fine Etch" PCB etchant.

Farnell (Global)
Maplin (UK)
MarVac Electronics (USA)
RS Components (Global)

Sodium Silicate

Formula: Na_4SiO_4

Synonyms: Sodium Orthosilicate

Suppliers

• Pottery suppliers sell concentrated solutions of it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Sodium Sulphate

Formula: Na_2SO_4

Synonyms: –

Suppliers

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Glauber's Salt".

Dharma Trading (USA)
Fibrecrafts (UK)
Maiwa (Canada)
The Spinning Shop (USA)
The Woolery (USA)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Sodium Sulphide

Formula: Na_2S

Synonyms: –

Suppliers

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photogramme (Belgium)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Sodium Sulphite

Formula: Na_2SO_3

Synonyms: –

Suppliers

• Alternative photographic suppliers sell it.

AREM Direct (UK)
Artcraft (USA)
Bostick and Sullivan (USA)

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Sodium Tetrachloropalladate(II)

Formula: Na_2PdCl_4

Synonyms: Sodium Palladium Chloride, Sodium Tetrachloropalladite, Sodium Chloropalladite

Suppliers

• Some alternative photographic suppliers sell it.

Bostick and Sullivan (USA)

Sodium Thiocyanate

Formula: NaSCN
Synonyms: –

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Sodium Thiosulphate

Formula: $Na_2S_2O_3$

Synonyms: Sodium Hyposulphite

Suppliers

• Photographic suppliers sell sodium thiosulphate solution as a photographic fixer. It is often called "Photographers' Hypo".

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
JD Photochem (Canada)
Photogramme (Belgium)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some swimming pool suppliers sell it as a dechlorinating agent.

Focus Pools (USA)
Swimming Pool Chemicals (UK)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell it as "Bleach Stop".

Dharma Trading (USA)

• Some handwarmers consist of a pouch of supersaturated sodium thiosulphate solution. (When this is induced to crystallise, heat is generated.)

Sodium Tungstate

Formula: Na_2WO_4

Synonyms: –

Suppliers

• Some alternative photographic suppliers sell it.

Artcraft (USA)

Strontium Carbonate

Formula: $SrCO_3$

Synonyms: –

Suppliers

• Some pottery suppliers sell it.

Brick House Ceramics (UK)
US Pigment Corp. (USA)

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Strontium Chlorate

Formula: $Sr(ClO_3)_2$

Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Strontium Chloride

Formula: $SrCl_2$

Synonyms: –

Suppliers

• Some aquarium suppliers sell strontium chloride solution as a trace nutrient for certain types of marine aquarium.

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Strontium Chromate

Formula: $SrCrO_4$

Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Strontium Nitrate

Formula: $Sr(NO_3)_2$

Synonyms: –

Suppliers

• Pyrotechnic suppliers sell it

Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

Strontium Peroxide

Formula: SrO_2

Synonyms: Strontium Dioxide

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Strontium Sulphate

Formula: $SrSO_4$

Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Sulphamic Acid

Formula: HSO_4NH_2

Synonyms: Amidosulphuric Acid

Suppliers

• Some hardware stores sell it as a descaling agent.

• Alternative photographic suppliers sell it.

Artcraft (USA)
Bostick and Sullivan (USA)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

Sulphur

Formula: S_8

Synonyms: –

Suppliers

• Some garden centres sell flowers of sulphur as "Dusting Sulphur" or "Yellow Sulphur", for use as a fungicide. Unfortunately, some brands can be too impure to be of much use.

Garden Chemicals (UK)

Garden Direct (UK)

• Some garden centres sell "Sulphur Chips" as a soil additive to regulate pH.

Garden Direct (UK)
Paradise Park (UK)

• Some occult suppliers sell it as "Brimstone".

Sorcerers Apprentice (UK)

• Some pharmacies sell it from behind the counter.

• Pyrotechnic suppliers sell it

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)
United Nuclear (USA)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Sulphuric Acid

Formula: H_2SO_4

Synonyms: –

Suppliers

• "Battery Acid" is sulphuric acid (of 30% to 40% concentration). It is available from some automotive suppliers, especially those catering to vintage vehicles.

• Concentrated sulphuric acid is the main ingredient of some heavy duty drain unblocking fluids.

• Some alternative photographic suppliers sell dilute sulphuric acid.

AREM Direct (UK)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)
Silverprint (UK)

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

• Some metal working and jewellery making suppliers sell it.

Sutton Tools (UK)

Tantalum

Formula: Ta
Synonyms: Elemental Tantalum, Metallic Tantalum

Suppliers

• Tantalum capacitors contain a small amount of tantalum powder. They can be found in most electronic items, and can be bought from all good suppliers of electronic components.

Thorium

Formula: Th
Synonyms: Elemental Thorium, Metallic Thorium

Suppliers

• Some welding suppliers sell "Thoriated Tungsten" electrodes, which contain about 2% thorium.

Thorium Dioxide

Formula: ThO_2

Synonyms: Thorium(IV) Oxide

Suppliers

• Some gas mantles are impregnated with 99% thorium dioxide (the rest being cerium dioxide). Alternative compositions are often used for safety reasons.

Tin

Formula: Sn
Synonyms: Elemental Tin, Metallic Tin

Suppliers

• Some kitchenware and camping suppliers sell plates made out of solid tin.

• Some kitchen foil is made out of tin. The vast majority however, is made from aluminium.

Tin(II) Chloride

Formula: $SnCl_2$

Synonyms: Stannous Chloride

Suppliers

• Dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes),

sell it for use as a mordant.

Fibrecrafts (UK)
Homecrafts (UK)
Kremer Pigments (Global)
The Woolery (USA)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

• Some pottery suppliers sell it.

Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Tin(IV) Oxide

Formula: SnO_2

Synonyms: Stannic Oxide

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some jewellery making and mineralogy suppliers sell it as a polishing powder.

Homecrafts (UK)

• Some specialist art suppliers sell it as "Tin Ashes".

Kremer Pigments (Global)

Titanium

Formula: Ti
Synonyms: Elemental Titanium, Metallic Titanium

Suppliers

• Pyrotechnics suppliers sell granulated and powdered titanium.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)

United Nuclear (USA)

• Some suppliers of metal wire for jewellery and craft sell titanium wire.

wires.co.uk (UK)

Titanium Hydride

Formula: TiH_2

Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Titanium(IV) Oxide

Formula: TiO_2

Synonyms: Titanium Dioxide

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some specialist art suppliers sell it as "Titanium White" or "Titan White" dry pigment.

Kremer Pigments (Global)
Alec Tiranti (UK)

• Cosmetics making suppliers sell it as a sun-protection agent.

Aromantic (UK)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

Tricalcium Phosphate

Formula: $Ca_3(PO_4)_2$

Synonyms: Tribasic Calcium Phosphate

Suppliers

• Some specialist art suppliers sell it as "Bone Ash"

Kremer Pigments (Global)

• Pottery suppliers sell it, either by name or as "Bone Ash".

Bath Potters (UK)
Briar Wheels (UK)
Brick House Ceramics (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

Tricopper Phosphate

Formula: $Cu_3(PO_4)_2$

Synonyms: Tribasic Copper(II) Phosphate

Suppliers

• Some specialist art suppliers sell it as "Copper Blue" dry pigment.

Kremer Pigments (Global)

Trisodium Phosphate

Formula: Na_3PO_4

Synonyms: Tribasic Sodium Phosphate

Suppliers

• Some hardware stores sell it as a heavy duty cleaning product. Its name is often abbreviated to "TSP".

• Some alternative photographic suppliers sell it.

Artcraft (USA)
JD Photochem (Canada)
Photographers' Formulary (USA)
Rayco (UK)

Tungsten

Formula: W
Synonyms: Elemental Tungsten, Metallic Tungsten

Suppliers

• The filaments in most lightbulbs are made from tungsten wire.

• Some electrodes for arc welding are made from tungsten.

• Some suppliers of metal wire for jewellery and craft sell tungsten wire.

wires.co.uk (UK)

Uranium

Formula: U
Synonyms: Elemental Uranium, Metallic Uranium

Suppliers

• Some science and hobby suppliers sell depleted uranium.

United Nuclear (USA)

Uranium(IV) Oxide

Formula: UO_2

Synonyms: Uranium Dioxide

Suppliers

• Some science and hobby suppliers sell uranium dioxide nuclear fuel pellets.

United Nuclear (USA)

Uranyl Acetate

Formula: $UO_2(CH_3COO)_2$

Synonyms: Uranium Acetate

Suppliers

• Some science and hobby suppliers sell it.

United Nuclear (USA)

Vanadium(V) Oxide

Formula: V_2O_5

Synonyms: Vanadium Pentoxide

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

United Nuclear (USA)

Water (Heavy)

Formula: D_2O

Synonyms: Deuterium Oxide, Heavy Water

Suppliers

• Some science and hobby suppliers sell heavy water.

United Nuclear (USA)

Water (Purified)

Formula: H_2O

Synonyms: –

Suppliers

• Most automotive suppliers sell deionised water for topping up car batteries.

• Distilled or deionised water is available from some hardware stores.

• Some specialist art suppliers sell demineralised water.

Kremer Pigments (Global)

• Some metal working and jewellery making suppliers sell distilled water.

Sutton Tools (UK)

Wood's Metal

Formula: Bi (50%), Pb (25%), Cd (12.5%), Sn (12.5%)
Synonyms: Wood's Alloy

Suppliers

• Some art suppliers sell it as a metal for casting.

Alec Tiranti (UK)

• Some pyrotechnic suppliers sell it.

Skylighter (USA)

Zinc

Formula: Zn
Synonyms: Elemental Zinc, Metallic Zinc

Suppliers

• Pyrotechnic suppliers sell zinc in various forms.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
United Nuclear (USA)

• US $0.01 coins (minted after 1983) are made from zinc coated with copper.

• The alloy comprising the casing of zinc-carbon and zinc-chloride batteries is over 99% zinc.

• Sacrificial heater anodes (available from some plumbing suppliers) are sometimes made from zinc.

• Some specialist art suppliers sell zinc powder.

Kremer Pigments (Global)

• Some dyeing and textile suppliers (especially those catering to hobbyists working with natural dyes), sell zinc dust.

Maiwa (Canada)

• Some electronics suppliers sell zinc blocks for use as anodes in electroplating.

Conrad (European)

• Some building suppliers sell zinc sheeting as roof flashing.

Zinc Chloride

Formula: $ZnCl_2$

Synonyms: Zinc(II) Chloride

Suppliers

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)
Rayco (UK)

• Some electronics and plumbing suppliers sell zinc chloride as "Tinning Flux" or "Tinning Salt" for soldering.

Farnell (Global)

Zinc Chromate

Formula: $ZnCrO_4$

Synonyms: Zinc(II) Chromate

Suppliers

• Some pyrotechnic suppliers sell it.

Skylighter (USA)

Zinc Oxide

Formula: ZnO
Synonyms: Zinc(II) Oxide

Suppliers

• Pottery suppliers sell it.

Briar Wheels (UK)
Brick House Ceramics (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)
US Pigment Corp. (USA)

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Pyrotek / N. E. Lab Supply (USA)
Skylighter (USA)

• Some specialist art suppliers sell it as "Zinc White" dry pigment.

Kremer Pigments (Global)

• Some cosmetics making suppliers sell it.

Aromantic (UK)

• Some alternative photographic suppliers sell it.

JD Photochem (Canada)

Zinc Sulphate

Formula: $ZnSO_4$

Synonyms: Zinc(II) Sulphate

Suppliers

• Some alternative photographic suppliers sell it.

Rayco (UK)

• It is the active ingredient of some moss killers.

• Some agricultural suppliers and garden centres sell it as a trace nutrient fertiliser.

Garden Direct (UK)
Hydro Gardens (USA)

• Some pyrotechnic suppliers sell it.

Pyrotek / N. E. Lab Supply (USA)

Zinc Sulphide

Formula: ZnS
Synonyms: Zinc(II) Sulphide

Suppliers

• Some specialist art suppliers sell it.

Kremer Pigments (Global)

Zirconium

Formula: Zr
Synonyms: Metallic Zirconium, Elemental Zirconium

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)
Skylighter (USA)

Zirconium Carbide

Formula: ZrC
Synonyms: –

Suppliers

• Some pyrotechnic suppliers sell it.

Firefox Enterprises (USA)

Zirconium(IV) Oxide

Formula: ZrO_2

Synonyms: Zirconium Dioxide, Zirconium Oxide

Suppliers

• Some pottery suppliers sell it.

Briar Wheels (UK)

Zirconium(IV) Silicate

Formula: $ZrSiO_4$

Synonyms: Zirconium Silicate

Suppliers

• Pottery suppliers sell it as "Zircosil".

Briar Wheels (UK)
Bath Potters (UK)
Seattle Pottery Supply (USA)