



BS 2474 : 1983

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British Standard Recommendations for Names for chemicals used in industry

Noms de produits chimiques employés dans l'industrie. Recommandations

Empfehlungen für chemische Bezeichnungen in der Industrie

British Standards Institution

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Foreword

This revision of this British Standard has been prepared under the direction of the Chemicals Standards Committee. It comprises a list of recommended names for the more important chemicals used in industry, excluding specialized products, e.g. pesticides and pharmaceuticals.

It was first published in 1954 with the aim of modernizing and systematizing industrial chemical nomenclature, and, in the absence of an internationally or even a nationally agreed system, it adopted a consistent approach within the standard which utilized the best features of the systems in use at that time.

The first revision, published in 1965, contained, in addition to a considerably expanded main list, new lists giving the recommended names for certain grades of chemical and for steroids. The adoption, where possible, of the recommendations of the International Union of Pure and Applied Chemistry (IUPAC) for the naming of chemicals resulted in extensive changes in nomenclature and an additional section was also included to give guidance on the basic principles of the IUPAC system.

BS 2474: 1965 is withdrawn. This revision differs from the 1965 edition in the following respects.

- (a) The list of chemicals has been updated to meet the current requirements of the chemical industry.
- (b) Systematic names, where used, have where possible been aligned with the latest IUPAC recommendations.
- (c) When the recommended name is not systematic, e.g. acetic acid, the corresponding systematic name has been given, in many cases, in parentheses. In so doing, it is hoped to reconcile industrial usage with the generally accepted educational practice, recommended by the Association for Science Education, of teaching systematic nomenclature exclusively.
- (d) The detailed citation of rules of nomenclature has been replaced by a summary of 'general principles adopted' (clause 2) and an appendix giving structural formulae for radicals (appendix A). The summary indicates where, for various reasons, for example industrial usage, it has been decided to deviate from IUPAC recommendations and offers guidance on other general points relevant to the standard. A

bibliography (clause 5) has been included that gives suitable references for users who require more detailed information on the rules of chemical nomenclature. BS 1831 gives guidance on nomenclature for pesticides.

(e) The list of recommended names for steroids has been withdrawn because its application is mainly pharmaceutical, but the names of a few selected steroids have been included to illustrate the nomenclature principles involved.

(f) To avoid ambiguity, the term 'grades of chemicals' has been replaced by 'commercial description of chemicals' and the associated list of recommended names has been updated.

(g) The prefix 'iso' has been printed throughout in upright typescript to conform with IUPAC and EEC practice; thus all names beginning with 'iso' are listed under 'i'.

(h) Stock notation (e.g. iron (II) sulphate) as explained in 2.2 has been used for inorganic salts except where the possibility of ambiguity has necessitated the use of proportionality.

(i) An appendix on computerization and chemical nomenclature (appendix B) has been included to illustrate the problems likely to be encountered in this field. The inclusion of a Chemical Abstracts Services (CAS) Registry Number against each example received careful consideration. It was, however, decided to defer such action because the list of examples is relatively short and intended to be illustrative rather than comprehensive. In addition, the European Commission inventory of existing commercial chemical substances (EINECS), which has already been published, includes CAS numbers and is much more extensive.

The recommended names are printed in bold type. Many of these names are accompanied by others, designated either 'non-preferred' (in parentheses) or 'deprecated' (in square brackets). Non-preferred names are those that, although in most cases systematically correct, are for various reasons not preferred for use in industry; the list of such names is not necessarily comprehensive. Deprecated names are those that are undesirable and therefore should not be used. The entries beginning with non-preferred and deprecated names do not cite all the synonyms but show only the preferred name.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

British Standard Recommendations for

Names for chemicals used in industry

1. Scope

This British Standard lists recommended names for the more important chemicals used in industry and gives for guidance, where justified by continuing usage, non-preferred and deprecated names. It does not include names for such specialized products as dyes, pesticides and pharmaceuticals except where the chemicals concerned have more general uses or where it was thought desirable to indicate the nomenclature principles employed. Guidance is given in appendix A on the structural formulae for the radicals used, and in appendix B on producing computerized lists of chemical names.

NOTE. The titles of the publications referred to in this standard are listed on the inside back cover. A bibliography of related publications is given in clause 5.

2. General principles adopted

2.1 General. This clause summarizes the general principles used in this standard in deriving chemical names, particularly where it has been decided for various reasons, such as firmly established industrial usage, to deviate from IUPAC recommendations. More detailed information on the rules of chemical nomenclature may be obtained from the publications listed in the bibliography (see clause 5).

Appendix A gives, for guidance, structural formulae for the radicals used.

2.2 Stock notation. In this system the oxidation number of an element is placed in parentheses immediately after the name of the element. This style has been preferred for most salts, especially those of metals of variable valency, e.g. iron (III) chloride for FeCl_3 . The Stock numerals have been omitted in the case of compounds of single valency elements, e.g. calcium fluoride for CaF_2 . The same considerations have governed the choice of preferred names for double salts, e.g. tetraammonium cerium (IV) sulphate for $(\text{NH}_4)_4\text{Ce}(\text{SO}_4)_4$, and aluminium potassium dioxide for AlKO_2 , absence of di-, tri- etc. implying a 1:1 ratio. Where complex anions are cited, they are usually followed by the Stock numeral for the central atom, e.g. potassium hexacyanoferrate (III) for $\text{K}_3\text{Fe}(\text{CN})_6$.

2.3 Amines. Some trivial names have been retained, e.g. aniline, anisidine, piperidine, and used as parents for naming derivatives, e.g. 5-nitro-*o*-anisidine. For others, the radical-style, in which ammonia as parent is formally designated as '-amine' in the name, has been preferred. Secondary and tertiary amines are named by citing the nitrogen-attached

radicals in alphabetical order before the suffix 'amine', e.g. methyl(diphenyl)amine. The same style is extended to diamines, e.g. ethylenediamine.

Salts have usually been named as cation/anion pairs, e.g. anilinium chloride; piperidinium chloride, when a single cation-site is present.

2.4 Alkanolamines and their derivatives. Generally, these are named as aminoalcohols but, as exceptions, ethanolamine, diethanolamine, and triethanolamine are retained in recognition of wide industrial usage.

In the case of the latter three compounds, the esters and salts of their organic acid derivatives are indicated by *O*- and *N*- respectively followed by the name of the acid anion. The esters and salts of their inorganic acid derivatives are named similarly with the exception of the hydrohalides, e.g. ethanolamine *O*-oleate, triethanolamine *N*-stearate, but triethanolamine hydrochloride.

2.5 Changes relating to prefixes. Although *sec*- and *tert*- are retained for branched hydrocarbon radicals and are therefore ignored for alphabetization, 'iso' is printed in upright characters in all instances and is therefore indexed under 'i'.

However, the following prefixes have been *coined* and their use is recommended for reasons of convenience.

(a) '*mixo*' is used as a means of succinctly indicating commercial materials that, by virtue of their manufacturing process (e.g. the so-called 'oxo' process) are mixtures of isomers having the same functional group e.g. *mixo* octyl alcohol

(b) '*tt*-octyl' is used for 1,1,3,3-tetramethylbutyl.

2.6 Numbering systems. IUPAC rules have been strictly followed. Accordingly, additional data such as '-OH at 1', '-NH₂ at 1' have been eliminated in cresols, toluidines, etc.

2.7 Multiplying prefixes. IUPAC policy on the use of di, tri, tetra, etc and bis, tris, tetrakis, etc. has been followed, e.g. di(benzothiazol-2-yl) disulphide; bis (1-methylheptyl) phthalate.

The term 'mono' is used only where it is necessary to avoid ambiguity.

2.8 Stereochemistry. If no stereodesignators are given, the name is taken to cover all possibilities. Where single enantiomers are listed, the Cahn-Ingold-Prelog stereodesignators *R* and *S* have been used. With aminoacids and carbohydrates, the traditional designators *L* and *D* have been retained with their customary meanings.

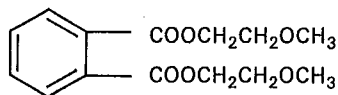
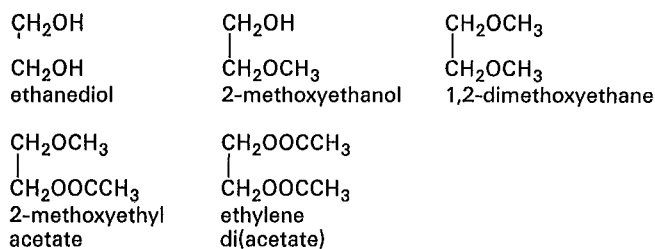
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2.9 Polyhydroxy compounds and their derivatives. Aliphatic polyhydroxy compounds are named diols (not glycols), triols, tetraols, etc.

Esters of diols are named by citing the appropriate diradical followed by the acid anion, e.g. *p*-phenylene di(acetate).

Trivial names such as glycerol, mannitol and pentaerythritol are retained. Their esters are named by adding the name of the acid anion to that of the alcohol without changing the suffix 'ol', e.g. mannitol hexanitrate, glycerol triacetate.

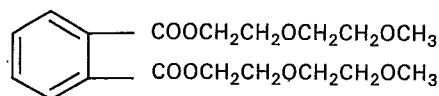
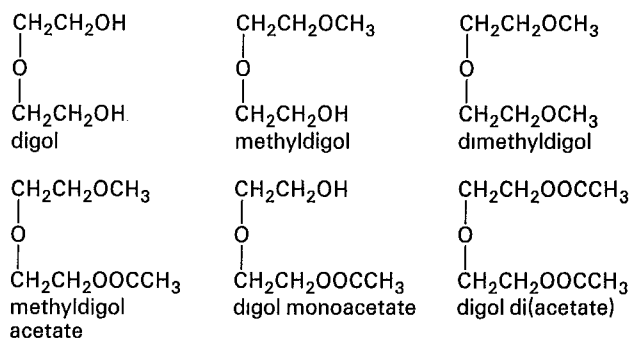
Derivatives of ethanediol are named as follows:



bis(2-methoxyethyl)
phthalate

For considerations of industrial convenience, the following *coined* names are retained: 'digol' for 2,2'-oxydiethanol (diethylene glycol) and 'trigol' for 2,2'-ethylenedioxydiethanol (triethylene glycol).

The derivatives of digol and similar diols are named as follows:



di(methyldigol) phthalate

2.10 Hydrates. In general, the names do not include the degree of hydration, e.g. sodium carbonate.

3. Recommended names for chemicals used in industry

Key: recommended; (non-preferred); [deprecated]

acenaphthene	acrylic acid (propenoic acid)
acenaphthenequinone	acrylonitrile
[acetal] 1,1-diethoxyethane	adenine
acetaldehyde	adenosine
acetaldehyde—ammonia [aldehyde ammonia]	adenosine 5'-(barium dihydrogen triphosphate)
acetaldehyde oxime [acetaldoxime]	[barium adenosine triphosphate]
[acetaldehyde sodium bisulphite]	adenosine 5'-(tetrahydrogen triphosphate)
sodium 1-hydroxyethanesulphonate	[adenosinetriphosphoric acid]
[acetaldoxime] acetaldehyde oxime	[adenosinetriphosphoric acid] adenosine
acetamide	5'-(tetrahydrogen triphosphate)
(acetamidoacetic acid) <i>N</i> -acetylglycine	adipamide
(3-acetamidoaniline) 3'-aminoacetanilide	adipic acid (hexanedioic acid)
(8-acetamido-2-naphthol) <i>N</i> -(7-hydroxy-1-naphthyl) acetamide	adipoyl dichloride
[acetaminomalonic ester] diethyl acetamidomalonate	aesculin (6-β-D-glucopyranosyl-7-hydroxycoumarin)
acetanilide	agarose
[acet- <i>p</i> -chloroanilide] 4'-chloroacetanilide	β-alanine (3-aminopropionic acid)
[acetdimethylamide] <i>N,N</i> -dimethylacetamide	DL-alanine
[acet- <i>N</i> -ethyl-anilide] <i>N</i> -ethylacetanilide	[alcohol] ethanol
acetic acid (ethanoic acid)	[aldehyde ammonia] acetaldehyde—ammonia
acetic anhydride	alginic acid
[acetic ether] ethyl acetate	allantoin
[acetin] glycerol acetate	alloxan
[acet-1-naphthylamide] <i>N</i> -1-naphthylacetamide	allyl acetate (prop-2-enyl acetate)
acetoacetanilide	allyl alcohol (prop-2-en-1-ol)
[acetoacetic ester] ethyl acetoacetate	allylamine (prop-2-enylamine)
acetoacet- <i>o</i> -toluidide	(5-allyl-1,3-benzodioxole) safrrole
[acetoeugenol] eugenyl acetate	allyl chloride (3-chloropropene)
acetoin (3-hydroxybutanone)	(2-allylcarbamoylphenoxy)acetic acid
[acetisoeugenol] isoeugenyl acetate	allyl 2,3-epoxypropyl ether (allyl glycidyl ether)
[aceto-α-naphthalide] <i>N</i> -1-naphthylacetamide	(4-allyl-1-ethoxy-2-methoxybenzene) ethyl eugenyl ether
[2-aceto-1-naphthol] 1'-hydroxy-2'-acetophenone	(allyl glycidyl ether) allyl 2,3-epoxypropyl ether
2'-acetophenone (methyl 2-naphthyl ketone)	(4-allyl-2-methoxyphenyl acetate) eugenyl acetate
acetone (propanone)	(4-allyl-2-methoxyphenyl benzyl ether) benzyl eugenyl ether
[acetone cyanohydrin] 2-hydroxy-2-methylpropionitrile	allyl-2-thiourea (thiosinamine (INN)) [thiosinamine]
[acetone glycerin] 2,2-dimethyl-1,3-dioxolan-4-ylmethanol	(4-allylveratrole) eugenyl methyl ether
acetone oxime [acetoxime]	[alum] aluminium potassium sulphate
acetone semicarbazone	[alumina] aluminium oxide
[acetone sodium bisulphite] sodium 2-hydroxypropane-2-sulphonate	aluminium acetate
acetonitrile (methyl cyanide)	aluminium acetate, basic
acetophenone	aluminium ammonium sulphate [ammonium aluminium
[acetoxime] acetone oxime	sulphate] [ammonium alum]
(3-acetoxyphenol) 3-hydroxyphenyl acetate	[aluminium <i>tert</i> butylate] aluminium tri- <i>tert</i> -butoxide
2-acetoxy- <i>m</i> -toluic acid [acetyl- <i>o</i> -cresotic acid]	[aluminium chlorhydrate] dialuminium chloride pentahydroxide
[acetyl- <i>o</i> -cresotinic acid]	aluminium chloride
acet- <i>m</i> -toluidide	dialuminium chloride pentahydroxide [aluminium chlorhydrate]
(acetylacetone) pentane-2,4-dione	[aluminium dihydroxide aminoacetate] aluminium
[acetyl butyl ricinoleate] butyl <i>O</i> -acetylricinoleate	glycinate dihydroxide
[acetyl- <i>tert</i> butyl- <i>m</i> -xylene] 4'- <i>tert</i> -butyl-2',6'-dimethylacetophenone	[aluminium glycinate] aluminium glycinate dihydroxide
[acetylcellulose] cellulose acetate	aluminium glycinate dihydroxide [aluminium dihydroxide
acetyl chloride	aminoacetate] [aluminium glycinate]
[acetyl- <i>o</i> -cresotic acid] 2-acetoxy- <i>m</i> -toluic acid	aluminium hydroxide
[acetyl- <i>o</i> -cresotinic acid] 2-acetoxy- <i>m</i> -toluic acid	aluminium lithium hydride (lithium tetrahydridoaluminate)
<i>N</i> -acetyl-L-cysteine	[lithium aluminium hydride]
acetylene (ethyne)	aluminium metaphosphate
[acetylene dichloride] 1,2-dichloroethylene	aluminium orthophosphate
[acetylene diurea] 1, 2:1,2-diureylene-ethane	aluminium oxide [alumina]
[acetylene tetrabromide] 1,1,2,2-tetrabromoethane	aluminium potassium dioxide (potassium aluminate)
[<i>N</i> -acetylethanolamine] <i>N</i> -2-hydroxyethylacetamide	(aluminium potassium fluoride) aluminium tripotassium
<i>N</i> -acetylglycine (acetamidoacetic acid)	hexafluoride
(<i>N</i> -acetyl-DL-methionine, calcium salt)	aluminium potassium sulphate [alum] [potash alum]
calcium bis(<i>N</i> -acetyl-DL-methionine)	aluminium sodium dioxide (sodium aluminate)
3-acetyl-6-methyl-2 <i>H</i> -pyran-2,4(3 <i>H</i>)-dione [dehydracetic acid]	aluminium tri- <i>tert</i> -butoxide [aluminium <i>tert</i> butylate]
(<i>N</i> -acetyl- <i>N'</i> -methylurea) 1-acetyl-3-methylurea	aluminium tri-isopropoxide
1-acetyl-3-methylurea (<i>N</i> -acetyl- <i>N'</i> -methylurea)	aluminium tripotassium hexafluoride (aluminium potassium
[acetyl tributyl citrate] tributyl <i>O</i> -acetyl citrate	fluoride)
[acrolein] acrylaldehyde	aluminon (<i>tri</i> ammonium 5,5'-(3-carboxylato-4-oxocyclohexa-
[acrolein methyl acetal] 3,3-dimethoxypropene	2,5-dienyldienemethylene)disalicylate]
acrylaldehyde [acrolein]	[amidol] 4-hydroxy- <i>m</i> -phenylenediammonium dichloride

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Key: recommended; (non-preferred); [deprecated]

(*m*-aminoacetanilide) 3'-aminoacetanilide
 3'-aminoacetanilide (3'-acetamidoaniline) (*m*-aminoacetanilide)
 (aminoacetic acid) glycine
 1-aminoanthraquinone
 4-aminoazobenzene
 4'-aminoazobenzene-3,4-disulphonic acid
 4-amino-1,1'-azonaphthalene [naphthaleneazonaphthylamine]
 [*o*-aminoazotoluene] 4-*o*-tolylazo-*o*-toluidine
 3-aminobenzenesulphonic acid [metanilic acid]
 (2-aminobenzimidazole) benzimidazol-2-ylamine
 (2-aminobenzoic acid) anthranilic acid
 4-aminobenzoic acid
 [*m*-aminobenzotrifluoride] α,α,α -trifluoro-*m*-toluidine
 (4-aminobiphenyl) biphenyl-4-ylamine
 (3-aminocarbazole) carbazol-3-ylamine
 4-amino-6-chloro-2-methylthiopyrimidine
 4-amino-2,6-dibromophenol
 4-amino-*N,N*-diethylaniline sulphate (*N,N*-diethyl-*p*-phenylenediamine sulphate)
 4-amino-*N,N*-dimethylaniline (*N,N*-dimethyl-*p*-phenylenediamine)
 (4-amino-2',3-dimethylazobenzene) 4-*o*-tolylazo-*o*-toluidine
 2-amino-4,6-dinitrophenol (picramic acid)
 (4-aminodiphenylamine) *N*-(4-aminophenyl)aniline
 (2-aminoethanol) ethanolamine
 4-(2-aminoethyl)aniline (2-(4-aminophenyl)ethylamine)
 [2-aminoethyl barium phosphate] barium 2-aminoethyl phosphate
 [aminoethylglyoxaline] histidine
 2-aminoethyl (1-naphthyl)amine (*N*-1-naphthylethylenediamine)
 (2-(1-naphthylamino)ethylamine)
 (2-aminoethyl oleate) ethanolamine *O*-oleate
 4-(2-aminoethyl)phenol (tyramine)
N-aminoguanidinium hydrogen carbonate
 (2-aminoheptane) 1-methylhexylamine
 4-aminohippuric acid
 (4-amino-2-hydroxybenzoic acid) 4-aminosalicylic acid
 (5-amino-2-hydroxybenzoic acid) 5-aminosalicylic acid
 2-amino-2-hydroxymethylpropane-1,3-diol (trometamol (INN)) [tris buffer] [tris (hydroxymethyl)aminomethane]
 [tris(hydroxymethyl)methylamine]
 6-amino-3-hydroxynaphthalene-1-sulphonic acid
 (4-amino-4'-methylazobenzene) 4-(*p*-tolylazo)aniline
 2-amino-2-methylpropan-1-ol
 (2-amino-5-methyl-1,3,4-thiadiazole)
 5-methyl-1,3,4-thiadiazol-2-ylamine
 (2-amino-4-methylthiazole) 4-methylthiazol-2-ylamine
 7-amino-2-naphthol
 [2-amino-4-nitroanisole] 5-nitro-*o*-anisidine
 2-amino-4-nitrophenol
 2-aminophenol
N-(4-aminophenyl)aniline (4-aminodiphenylamine)
 (phenyl-*p*-phenylenediamine)
 4-aminophenylarsonic acid (*p*-arsanilic acid)
 (2-(4-aminophenyl)ethylamine) 4-(2-aminoethyl)aniline
 4-aminophenylmercury acetate
 1-aminopropan-2-ol [isopropanolamine]
 (3-aminopropionic acid) β -alanine
 (2-aminopyridine) 2-pyridylamine
 4-aminosalicylic acid (4-amino-2-hydroxybenzoic acid)
 5-aminosalicylic acid (5-amino-2-hydroxybenzoic acid)
 4-aminotoluene-3-sulphonic acid (*p*-toluidine-2-sulphonic acid)
 (3-amino-1,2,4-triazole) 1,2,4-triazol-3-ylamine
 ammonia
 ammonia solution [ammonium hydroxide] [all names other than those recommended in clause 4]
 ammonium acetate
 [ammonium acid pyrophosphate] diammonium dihydrogen pyrophosphate
 [ammonium alum] aluminium ammonium sulphate
 [ammonium aluminium sulphate] aluminium ammonium sulphate

[ammonium bicarbonate] ammonium hydrogen carbonate
 [ammonium bichromate] ammonium dichromate
 [ammonium borofluoride] ammonium tetrafluoroborate
 (triammonium 5,5'-(3-carboxylato-4-oxocyclohexa-2,5-dienylidenemethylene)disalicylate) aluminon
 [ammonium ceric nitrate] ammonium hexanitratocerate(IV)
 [ammonium ceric sulphate] tetraammonium cerium(IV) sulphate
 tetraammonium cerium(IV) sulphate (tetraammonium cerium tetrakis(sulphate)) [ammonium ceric sulphate]
 (tetraammonium cerium tetrakis(sulphate)) tetraammonium cerium(IV) sulphate
 ammonium chloride [sal ammoniac]
 (ammonium chlorostannate) ammonium hexachlorostannate(IV)
 ammonium chromium dioxalate
 triammonium citrate
 diammonium copper(II) sulphate [ammonium cupric sulphate]
 [ammonium cupric chloride] ammonium tetrachlorocuprate(II)
 [ammonium cupric sulphate] diammonium copper(II) sulphate
 ammonium dichromate [ammonium bichromate]
 ammonium dihydrogen orthophosphate [ammonium phosphate, monobasic]
 diammonium dihydrogen pyrophosphate [ammonium acid pyrophosphate]
 (ammonium ferric oxalate) ammonium trioxalatoferrate(III)
 [ammonium ferric sulphate] ammonium iron(III) sulphate
 [ammonium ferrous sulphate] diammonium iron(II) sulphate
 ammonium hexachlorostannate(IV) (ammonium chlorostannate)
 (diammonium hexachlorostannate) [stannic ammonium chloride]
 (diammonium hexachlorostannate) ammonium hexachlorostannate(IV)
 diammonium hexafluorosilicate [ammonium silicofluoride]
 ammonium hexanitratocerate(IV) [ammonium ceric nitrate]
 ammonium hydrogen carbonate [ammonium bicarbonate]
 diammonium hydrogen orthophosphate [ammonium phosphate, dibasic]
 (diammonium hydrogen phosphite) diammonium phosphonate
 ammonium hydrogen tartrate
 [ammonium hydroxide] ammonia solution
 (ammonium hypophosphite) ammonium phosphinate
 (diammonium iron bis(sulphate)) diammonium iron(II) sulphate
 diammonium iron(II) sulphate (diammonium iron bis(sulphate))
 [ammonium ferrous sulphate]
 ammonium iron(III) sulphate [ammonium ferric sulphate] [ferric alum]
 ammonium metavanadate
 ammonium molybdate
 (diammonium nickel bis(sulphate)) diammonium nickel(II) sulphate
 [ammonium nickel sulphate] diammonium nickel(II) sulphate
 diammonium nickel(II) sulphate (diammonium nickel bis(sulphate))
 [ammonium nickel sulphate]
 ammonium nitrate
 triammonium orthophosphate [ammonium phosphate, tribasic]
 (ammonium permonosulphate) ammonium peroxomonosulphate
 ammonium peroxodisulphate [ammonium persulphate]
 ammonium peroxomonosulphate (ammonium permonosulphate)
 [ammonium persulphate] ammonium peroxodisulphate
 [ammonium phosphate, dibasic] diammonium hydrogen orthophosphate
 [ammonium phosphate, monobasic] ammonium dihydrogen orthophosphate
 [ammonium phosphate, tribasic] triammonium orthophosphate
 ammonium phosphinate (ammonium hypophosphite)
 [ammonium phosphite, dibasic] diammonium phosphonate
 diammonium phosphonate (diammonium hydrogen phosphite)
 [ammonium phosphite, dibasic]
 ammonium pyrrolidine-1-carbodithioate (ammonium pyrrolidin-1-ylthioformate) [ammonium pyrrolidinedithiocarbamate*]
 [ammonium tetramethylenedithiocarbamate]
 [ammonium pyrrolidinedithiocarbamate*] ammonium pyrrolidine-1-carbodithioate

* This is a misnomer.



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(ammonium pyrrolidine-1-ylthioformate) **ammonium pyrrolidine-1-carbodithioate**

[ammonium silicofluoride] **diammonium hexafluorosilicate**

ammonium sodium hydrogen orthophosphate [microcosmic salt]

ammonium sulphate [sulphate of ammonia]

[ammonium sulphocyanide] **ammonium thiocyanate**

diammonium tartrate

ammonium tetrachlorocuprate(II) [ammonium cupric chloride]

ammonium tetrafluoroborate [ammonium borofluoride]

[ammonium tetramethylenedithiocarbamate] **ammonium**

pyrrolidine-1-carbodithioate

ammonium thiocyanate [ammonium sulphocyanide]

ammonium trioxalatoferrate(III) (ammonium ferric oxalate)

[*n*-amyl acetate] **pentyl acetate**

amyl alcohol*

[*n*-amyl alcohol] **pentan-1-ol**

[*sec*-amyl alcohol] **pentan-2-ol**

[*tert*-amyl alcohol] **2-methylbutan-2-ol**

α -amylase

[*n*-amyl bromide] **1-bromopentane**

[*tert*-amyl bromide] **2-bromo-2-methylbutane**

[α -*n*-amylcinnamaldehyde] **α -pentylcinnamaldehyde**

[6-*n*-amyl-*m*-cresol] **6-pentyl-*m*-cresol**

[*n*-amyl cyanide] **hexanenitrile**

[*n*-amyl ethyl ketone] **octan-3-one**

[amyl mercaptan] **3-methylbutane-1-thiol**

[2-*n*-amylxyacetophenone] **2'-pentylxyacetophenone**

aniline (phenylamine)

(aniline hydrochloride) **anilinium chloride**

anilinium chloride (aniline hydrochloride) (phenylammonium chloride)

[anisalcohol] **4-methoxybenzyl alcohol**

anisaldehyde [anisic aldehyde] [aubepine]

anisic acid

[anisic aldehyde] **anisaldehyde**

***p*-anisidinium chloride**

(anisoïn) **4,4'-anisoïn**

[*p*-anisoïn] **4,4'-anisoïn**

4,4'-anisoïn (anisoïn) [*p*-anisoïn]

anisole

[*p*-anisyl acetate] **4-methoxybenzyl acetate**

[*p*-anisyl alcohol] **4-methoxybenzyl alcohol** [anisalcohol]

anthracene

anthranilic acid (2-aminobenzoic acid)

anthraquinone

(anthraquinone-2-sulphonic acid) **9,10-dihydro-9,10-**

dioxoanthracene-2-sulphonic acid

[anthrarufin] **1,5-dihydroxyanthraquinone**

anthrone

(antimony(III) chloride) **antimony trichloride**

(antimony(V) chloride) **antimony pentachloride**

antimony chloride oxide [antimony oxychloride]

(antimony(V) oxide) **diantimony pentaoxide**

[antimony oxychloride] **antimony chloride oxide**

antimony pentachloride (antimony(V) chloride)

diantimony pentaoxide (antimony(V) oxide) [antimony pentoxide]

[antimony pentoxide] **diantimony pentaoxide**

antimony potassium oxide tartrate [potassium antimony tartrate]

[tartar emetic]

antimony trichloride (antimony(III) chloride)

(antu (ISO)) **1-(1-naphthyl)-2-thiourea**

[β -apo-2-carotenal] **8'-apo- β -caroten-8'-al**

[β -8'-apocarotenal] **8'-apo- β -caroten-8'-al**

8'-apo- β -caroten-8'-al [β -apo-2-carotenal] [β -8'-apocarotenal]

L-arabinose

D-arginine hydrochloride

(*p*-arsanilic acid) **4-aminophenylarsonic acid**

arsenic† [arsenic metal]

arsenic acid

[arsenic metal] **arsenic†**

[arsenic oxide] **diarsenic pentaoxide**

(arsenic(III) oxide) **diarsenic trioxide**

diarsenic pentaoxide [arsenic oxide]

diarsenic pentasulphide (arsenic(V) sulphide)

(arsenic(V) sulphide) **diarsenic pentasulphide**

diarsenic trioxide (arsenic(III) oxide) [arsenious acid‡] [arsenous oxide]

[arsenious acid‡] **diarsenic trioxide**

[arsenous oxide] **diarsenic trioxide**

L-ascorbic acid

L-asparagine

DL-aspartic acid

[aubepine] **anisaldehyde**

[auric chloride§] **gold(III) chloride**

2-azafluoranthene

[7-azaindole] **1,7-diazaindene**

azelaic acid

azobenzene

[azobenzenephnylhydrazine- β -sulphonic acid]

***N*'-4-phenylazophenylhydrazine-*N*-sulphonic acid**

4,4'-azodianiline (4,4'-diaminoazobenzene)

[α -azoisobutyronitrile] **2,2'-dimethyl-2,2'-azodi(propionitrile)**

[α -azoisopropyl cyanide] **2,2'-dimethyl-2,2'-azodi(propionitrile)**

azoxybenzene

barbital (INN) (barbitone) (5,5-diethylbarbituric acid)

barbital sodium (INN) (barbitone sodium)

(barbitone) **barbital (INN)**

(barbitone sodium) **barbital sodium (INN)**

[barium adenosine triphosphate] **adenosine 5'-(barium dihydrogen triphosphate)**

barium 2-aminoethyl phosphate [2-aminoethyl barium phosphate]

[ethanolamine phosphoric acid, barium salt]

barium bis(*N*-phenylsulphanilate) (barium diphenylamine-4-sulphonate)

barium carbonate

barium chloride

(barium diphenylamine-4-sulphonate) **barium bis(*N*-phenylsulphanilate)**

[barium fructose 1,6-diphosphate] **D-fructose 1,6-di(barium phosphate)**

(barium hydrogen phosphite) **barium phosphonate**

barium hydroxide

barium oxide [baryta]

barium peroxide

barium phosphonate (barium hydrogen phosphite)

barium sulphate

[baryta] **barium oxide**

[benzal acetone] **4-phenylbutenone**

[benzalaniline] **benzylideneaniline**

[benzal chloride] **α,α -dichlorotoluene**

benzaldehyde

benzamide

4-benzamido-2,5-dithoxybenzenediazonium zinc chloride

benzanilide

(benz[de]anthracen-7-one) **benzanthrone**

benzanthrone (benz[de]anthracen-7-one)

benzene

[benzeneazo-*p*-cresol] **2-(phenylazo)-*p*-cresol**

(benzene-1,2-dicarboxylic acid) **phthalic acid**

(benzene-1,3-diol) **resorcinol**

* The name 'amyl alcohol' is reserved for the commercial mixture of C₅ alcohols.

† The use of 'arsenic' to describe the product As₂O₃ (diarsenic trioxide) is strongly deprecated.

‡ This is the IUPAC name for H₃AsO₃.

§ 'Auric chloride, brown' is used commercially for tetrachloroauric acid and 'auric chloride, yellow' is used commercially for sodium tetrachloroaurate.

Key: recommended; (non-preferred); [deprecated]

[benzene hexachloride] 1,2,3,4,5,6-hexachlorocyclohexane
 benzenesulphonamide
 benzenesulphonic acid
 benzenesulphonyl chloride
N'-benzenesulphonylnicotinohydrazide [*N*-benzenesulphonyl-*N'*-nicotinoylhydrazine]
 (*N*-benzenesulphonyl-*N'*-nicotinoylhydrazine)
N'-benzenesulphonylnicotinohydrazide
 benzenethiol [thiophenol]
 benzene-1,2,4-tricarboxylic acid [trimesic acid]
 benzene-1,3,5-tricarboxylic acid [trimesic acid]
 benzene-1,2,3-triyl triacetate (1,2,3-triacetoxybenzene) [pyrogallol triacetate]
 benzene-1,2,4-triyl triacetate (1,2,4-triacetoxybenzene)
 [triacylhydroxyhydroquinone]
 (benzhydryl cyanide) diphenylacetoneitrile
 benzidine
 benzidine-2,2'-disulphonic acid
 benzil (diphenyl diketone) (1,2-diphenylethanedione)
 benzoic acid
 benzimidazole
 benzimidazol-2-ylamine (2-aminobenzimidazole)
 (1,2-benzisothiazol-3(2*H*)-one 1,1-dioxide) saccharin
 benzoic acid
 benzoin
 (benzoin α -oxime) benzoin (*Z*)-oxime
 benzoin (*Z*)-oxime (benzoin α -oxime)
 benzonitrile [phenyl cyanide]
 benzophenone
 [3,4-benzoquinoline] phenanthridine
p-benzoquinone [quinone]
 benzothiazole
 [benzothiazole-2-sulphencyclohexylamide]
N-cyclohexylbenzothiazole-2-sulphenamide
 benzothiazole-2-thiol (2-mercaptobenzothiazole)
 (1,2-benzothiazol-3(2*H*)-one 1,1-dioxide, sodium salt) saccharin sodium
 benzotriazole
 [benzotrichloride] α,α,α -trichlorotoluene
 (benzoylacetone) 1-phenylbutane-1,3-dione
 benzoyl chloride
 (2-benzoyl ethanol) 3-hydroxypropiophenone
 benzoyl peroxide
 (*N*-benzoyl-*o*-toluidine) benzo-*o*-toluidide
 benzo-*o*-toluidide (*N*-benzoyl-*o*-toluidine)
 benzyl alcohol
 benzylamine
N-benzylaniline
 benzyl benzoate
 (benzyl chloride) α -chlorotoluene
 5-benzyl-*o*-cresol
 (benzyl cyanide) phenylacetoneitrile
N-benzyl-*N,N*-dimethylanilinium chloride
 (benzyl dimethyl(phenyl)ammonium chloride)
 (benzyl dimethyl(phenyl)ammonium chloride) *N*-benzyl-*N,N*-dimethylanilinium chloride
 benzyl(dodecyl)dimethylammonium chloride [benzyl-lauryldimethylammonium chloride]
 benzyl ethyl ether
 benzyl eugenyl ether (4-allyl-2-methoxyphenyl benzyl ether)
 [eugenol benzyl ether]
 benzyl 4-hydroxybenzoate
 (benzylideneacetone) 4-phenylbutenone
 4-benzylideneaminophenol
 benzylideneaniline [benzalaniline]
 (benzylidene dichloride) α,α -dichlorotoluene
 benzyl isoeugenyl ether (benzyl 2-methoxy-4-prop-1-enylphenyl ether) [isoeugenol benzyl ether]

[benzyl-lauryldimethylammonium chloride]
 benzyl(dodecyl)dimethylammonium chloride
 (benzyl 2-methoxy-4-prop-1-enylphenyl ether) benzyl isoeugenyl ether
 (benzyl methyl ketone) phenylacetone
N-benzyloxycarbonyl-L-alanine [carbobenzoxy-L-alanine]
N-benzyl-*N*-phenylhydrazinium(1+) chloride
 benzyl phenyl ketone (deoxybenzoin) [desoxybenzoin]
S-benzylthiuronium chloride
 [beryllia] beryllium oxide
 beryllium oxide [beryllia]
 beryllium sulphate
 betaine hydrochloride
 (*o*-bianisidine) 3,3'-dimethoxybenzidine
 (bicyclo[2.2.1]hepta-2,5-diene) 8,9,10-trinorborna-2,5-diene
 bilirubin
 1,1'-binaphthyl-2,2'-diol [2,2'-dihydroxy-1,1'-binaphthyl]
 biotin
 biphenyl [diphenyl]
 biphenyl-2,2'-dicarboxylic acid [diphenic acid]
 biphenyl-2-ol (*o*-phenylphenol) [2-hydroxybiphenyl]
 biphenyl-4-ylamine (4-aminobiphenyl) [*p*-xenylamine]
 biphenyl-4-yl isocyanate [4-isocyanatobiphenyl] [*p*-xenylcarbimide]
 2,2'-bipyridyl
 (bis(4-amidinophenyl)amine) 4,4'-iminodibenzamidide
 4,4'-bis(dimethylamino)benzhydryl alcohol (di-(4-dimethylaminophenyl)methanol)
 4,4'-bis(dimethylamino)benzophenone
 bis(α,α -dimethylbenzyl) peroxide [dicumyl peroxide]
 bis(2,3-dimethylcyclohexyl) oxalate
 bis(2-ethylbutyl) phthalate
 bis(2-ethylhexyl) phthalate [dioctyl phthalate*]
 (2-bis(2-hydroxyethyl)aminoethyl stearate) triethanolamine *O*-stearate
 (1,7-bis(4-hydroxy-3-methoxyphenyl)hepta-1,6-diene-3,5-dione) curcumin
 bis(4-hydroxy-*N*-methylanilinium) sulphate (metol)
 [4-methylaminophenol sulphate]
 1,3-bis(hydroxymethyl)urea [dimethylolurea]
 3,3-bis(4-hydroxy-1-naphthyl)phthalide (1-naphtholphthalidein)
 bis(3-methoxybutyl) phthalate [butylene glycol monomethyl ether phthalate]
 bis(2-methoxyethyl) phthalate [methyl glycol phthalate]
 bis(4-methylcyclohexyl) phthalate
 bis(1-methylheptyl) phthalate [dioct-2-yl phthalate]
 bismuth chloride oxide [bismuth oxychloride]
 bismuth nitrate, basic [bismuth oxynitrate] [bismuth subnitrate]
 [bismuth oxychloride] bismuth chloride oxide
 [bismuth oxynitrate] bismuth nitrate, basic
 bismuth potassium sodium tartrate
 bismuth sodium trioxide (sodium bismuthate)
 [bismuth subnitrate] bismuth nitrate, basic
 bis(1-phenylethyl) ether
 4,4'-bis-*o*-toluidine [*o*-toluidine]
 bis(3,5,5-trimethylhexyl) phthalate [dinonyl phthalate*]
 [*NO*-bis(trimethylsilyl)acetamide] trimethylsilyl *N*-(trimethylsilyl)acetimidate
 (bis(2,4,6-trinitrophenyl)amine) dipicrylamine
 biuret
 [boracic acid] orthoboric acid
 [borax] disodium tetraborate
 (boric acid) orthoboric acid
 (boric oxide) diboron trioxide
 (bornan-2-one) camphor
 borneol
 bornyl salicylate
 boron orthophosphate
 boron tribromide

* This is industrial usage: comparable situations apply for adipates, sebacates, etc.

diboron trioxide (boric oxide)
 bromic acid
 bromine
 bromoacetic acid
 2-bromoacetophenone (phenacyl bromide)
 4'-bromoacetophenone
 4-bromoaniline
 2-bromoanisole
 2-bromobenzoic acid
 3-bromobornan-2-one (3-bromocamphor) [camphor bromide]
 2-bromobutyric acid
 (3-bromocamphor) 3-bromobornan-2-one
 bromochlorodifluoromethane
 1-bromododecane [lauryl bromide]
 bromoethane (ethyl bromide)
 2-bromoethanol [ethylene bromohydrin]
 bromoform
 bromomethane (methyl bromide)
 1-bromo-3-methylbutane [isoamyl bromide]
 2-bromo-2-methylbutane [tert-amyl bromide]
 2-bromo-2-methylpropane (tert-butyl bromide)
 1-bromonaphthalene
 1-bromo-2-nitrobenzene
 α -bromo-4-nitrotoluene (4-nitrobenzyl bromide)
 2-bromo-octane [capryl bromide]
 1-bromopentane [*n*-amyl bromide]
 2-bromopentane [α -methylbutyl bromide]
 (4-bromophenacyl bromide) 2,4'-dibromoacetophenone
 4-bromophenylhydrazinium(1+) chloride
 2-bromopropane (isopropyl bromide)
 β -bromostyrene
N-bromosuccinimide
 brucine sulphate
 buta-1,3-diene
 butane
 butane-1,3-diol [butylene glycol]
 butane-1,4-diol [tetramethylene glycol]
 butanedione [diacetyl]
 butanedione dioxime (dimethylglyoxime)
 butanedione monoxime [diacetyl monoxime]
 butane-1-thiol
 (butanoic acid) butyric acid
 butan-1-ol
 butan-2-ol [secbutyl alcohol]
 butanone (ethyl methyl ketone) [MEK]
 but-1-ene
 cis-but-2-ene
 trans-but-2-ene
 but-3-en-3-olide (diketen(e))
 butenone (methyl vinyl ketone)
 2-butoxyethanol
 (2-(2-butoxyethoxy)ethyl acetate) butyldigol acetate
 2-butoxyethyl acetate
 butyl acetate
 sec-butyl acetate
 tert-butyl acetate
 butyl *O*-acetylricinoleate [acetyl butyl ricinoleate]
 [secbutyl alcohol] butan-2-ol
 [tertbutyl alcohol] 2-methylpropan-2-ol
 butylamine
 butylammonium chloride
 [butylated hydroxytoluene] 2,6-di-tert-butyl-*p*-cresol
 butylbenzene
 (tert-butyl bromide) 2-bromo-2-methylpropane
 6-tert-butyl-*m*-cresol
 (*N*'-butyl-*N,N*-diethylurea) 3-butyl-1,1-diethylurea
 3-butyl-1,1-diethylurea (*N*'-butyl-*N,N*-diethylurea)

butyldigol acetate (2-(2-butoxyethoxy)ethyl acetate) [diethylene glycol monobutyl ether acetate]
 4'-tert-butyl-2',6'-dimethylacetophenone [acetyltertbutyl-*m*-xylene]
 4'-tert-butyl-2',6'-dimethyl-3',5'-dinitroacetophenone (musk ketone)
 [butylene glycol] butane-1,3-diol
 [butylene glycol monomethyl ether] 3-methoxybutan-1-ol
 [butylene glycol monomethyl ether acetate] 3-methoxybutyl acetate
 [butylene glycol monomethyl ether acid phthalate] 3-methoxybutyl hydrogen phthalate
 [butylene glycol monomethyl ether phthalate] bis(3-methoxybutyl) phthalate
 butyl 2,3-epoxypropyl ether (butyl glycidyl ether)
 (butyl glycidyl ether) butyl 2,3-epoxypropyl ether
 4-tert-butyl-3-methoxy-2,6-dinitrotoluene (musk ambrette*)
 (4-tert-butyl-3-methoxytoluene) 2-tert-butyl-5-methylanisole
 2-tert-butyl-5-methylanisole (4-tert-butyl-3-methoxytoluene)
 tert-butyl perbenzoate
 4-tert-butylphenol
 5-tert-butyl-2,4,6-trinitro-*m*-xylene (musk xylene) [musk xylol]
 butyraldehyde
 butyric acid (butanoic acid)
 [butyric ether] ethyl butyrate
 butyryl chloride

[cacodylic acid] dimethylarsinic acid
 cacotheline
 [cadmium borofluoride] cadmium tetrafluoroborate
 cadmium dipotassium tetraiodide
 cadmium sulphate
 cadmium tetrafluoroborate [cadmium borofluoride]
 caesium chloride
 [caffeic acid] 3,4-dihydroxycinnamic acid
 caffeine
 (calciferol) ergocalciferol (INN)
 (calciferyl-3,5-dinitrobenzoate) ergocalciferol 3-(3,5-dinitrobenzoate) (INN)
 (calcium acetylde) calcium carbide
 calcium bis(*N*-acetyl-DL-methioninate) (*N*-acetyl-DL-methionine, calcium salt)
 calcium bis(4-hydroxybenzenesulphonate) [calcium sulphocarbolate]
 tricalcium bis(orthophosphate) (tricalcium diorthophosphate†)
 [calcium phosphate, tribasic] [tricalcium phosphate]
 calcium carbide (calcium acetylde)
 calcium carbonate [precipitated chalk] [chalk, precipitated]
 calcium digluconate (calcium gluconate)
 calcium dihydrogen ditartrate
 calcium dihydrogen pyrophosphate
 (tricalcium diorthophosphate†) tricalcium bis(orthophosphate)
 calcium fluoride
 (calcium gluconate) calcium digluconate
 calcium hexafluorosilicate [calcium silicofluoride]
 calcium hydrogen orthophosphate [calcium phosphate, monoacid]
 [dicalcium phosphate]
 (calcium hydrogen phosphite) calcium phosphonate
 calcium hydroxide [slaked lime] [lime, slaked]
 (calcium hypophosphite) calcium phosphinate
 calcium metaphosphate
 calcium oxide [quicklime]
 calcium D-pantothenate
 [dicalcium phosphate] calcium hydrogen orthophosphate
 [tricalcium phosphate] tricalcium bis(orthophosphate)
 [calcium phosphate, diacid] calcium tetrahydrogen bis(orthophosphate)
 [calcium phosphate, monoacid] calcium hydrogen orthophosphate
 [calcium phosphate, tribasic] tricalcium bis(orthophosphate)

* The name 'musk ambrette' is also used commercially for hexadec-7-en-16-olide.

† The trade name 'tricalcium diorthophosphate' is also used for commercially available material of approximate composition $3\text{Ca}_3(\text{PO}_4)_2 \cdot \text{Ca}(\text{OH})_2$.

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Key: recommended; (non-preferred); [deprecated]

calcium phosphinate (calcium hypophosphite)
 [calcium phosphite, monoacid] **calcium phosphonate**
 calcium phosphonate (calcium hydrogen phosphite) [calcium phosphite, monoacid]
 [calcium silicofluoride] **calcium hexafluorosilicate**
calcium sulphate
 [calcium sulphocarbonate] **calcium bis(4-hydroxybenzenesulphonate)**
calcium tetrahydrogen bis(orthophosphate) [calcium phosphate, diacid] [monocalcium phosphate]
 [calomel] *d*-mercury dichloride
camphor (bornan-2-one)
 [camphor bromide] **3-bromobornan-2-one**
 (camphor-10-sulphonic acid) **2-oxobornane-10-sulphonic acid**
 [capric acid] **decanoic acid**
 [caproamide] **hexanamide**
 [caproic acid] **hexanoic acid**
 [caproic aldehyde] **hexanal**
 (ε-caprolactam) **6-hexanelactam**
 [capronitrile] **hexanenitrile**
 [caproyl chloride] **hexanoyl chloride**
 [caproyl resorcinol] **2',4'-dihydroxyhexanophenone**
 [capryl alcohol] **octan-2-ol**
 [caprylaldehyde] **octanal**
 [caprylaminoethanol] **2-octylaminoethanol**
 [capryl bromide] **2-bromo-octane**
 [caprylic acid] **octanoic acid**
 [carbamide] **urea**
carbamoyl chloride
 [carbanilide] **1,3-diphenylurea**
carbazol-3-ylamine (3-aminocarbazole)
 [carbethoxymethyl ethyl phthalate] **ethoxycarbonylmethyl ethyl phthalate**
 [carbobenzoxy-L-alanine] ***N*-benzyloxycarbonyl-L-alanine**
 [carbolic acid] **phenol**
 [carbon bisulphide] **carbon disulphide**
carbon dioxide
carbon disulphide [carbon bisulphide]
carbon monoxide
carbon tetrachloride (tetrachloromethane)
 (carbonyl dichloride) **phosgene**
carminic acid
carvacrol
 [carvene] (*S*)-*p*-mentha-1,8-diene
 [carvone] *p*-mentha-1(6),8-dien-2-one
 (catechol) **pyrocatechol**
 [catechol dimethyl ether] **1,2-dimethoxybenzene**
 [caustic potash] **potassium hydroxide**
 [caustic soda] **sodium hydroxide***
cedrol
cedryl acetate
cellulose acetate [acetylcellulose]
cellulose nitrate [nitrocellulose]
 [ceric sulphate] **cerium(IV) sulphate**
 (cerium bis(sulphate)) **cerium(IV) sulphate**
cerium(III) sulphate (*dicerium tris(sulphate)*) [cerous sulphate]
cerium(IV) sulphate (cerium bis(sulphate)) [ceric sulphate]
 (*dicerium tris(sulphate)*) **cerium(III) sulphate**
 [cerous sulphate] **cerium(III) sulphate**
 (cetyl alcohol†) **hexadecan-1-ol**
cetylpyridinium bromide (INN)
 [chalk, precipitated] **calcium carbonate**
 (chloral) **trichloroacetaldehyde**
 (chloral hydrate) **2,2,2-trichloroethane-1,1-diol**
 (chloramine T) **tosylchloramide sodium** (INN)
 (chloranil) **tetrachloro-*p*-benzoquinone**
chloric acid
2-chloroacetamide

4'-chloroacetanilide [acet-*p*-chloroanilide]
chloroacetic acid
chloroacetic anhydride
2'-chloroacetoacetanilide
chloroacetone
chloroacetyl chloride
2-chloroaniline
1-chloroanthraquinone
 (chlorauric acid) **tetrachlorauric acid**
2-chlorobenzaldehyde
chlorobenzene
 [chlorobenzenesulphon chloride] **4-chlorobenzenesulphonyl chloride**
4-chlorobenzenesulphonyl chloride [chlorobenzenesulphon chloride]
 [4-chlorobenzhydrol] **4-chlorobenzhydrol alcohol**
4-chlorobenzhydrol alcohol [4-chlorobenzhydrol]
2-chlorobenzoic acid
2-chlorobenzoyl chloride
2-chlorobenzyl alcohol
2-chlorobutadiene (chloroprene)
 (*p*-chloro-*m*-cresol) **4-chloro-*m*-cresol**
4-chloro-*m*-cresol (*p*-chloro-*m*-cresol)
 [chlorodimethyl ether] **chloromethyl methyl ether**
1-chloro-2,4-dinitrobenzene [2,4-dinitrochlorobenzene]
1-chloro-2,3-epoxypropane [epichlorhydrin]
chloroethane (ethyl chloride)
2-chloroethanol [ethylene chlorhydrin]
2-chloroethyldimethylamine [2-dimethylaminoethyl chloride]
 (chloroethylene) **vinyl chloride**
chloroform (trichloromethane)
 (chlorohydroquinone) **chloroquinol**
chloromethane (methyl chloride)
chloromethyl methyl ether [chlorodimethyl ether]
1-chloronaphthalene
 [*p*-chloro-*o*-nitroaniline] **4-chloro-2-nitroaniline**
4-chloro-2-nitroaniline [*p*-chloro-*o*-nitroaniline]
1-chloro-2-nitrobenzene
2-chloro-5-nitrobenzenesulphonic acid
6-chloro-5-nitrotoluene-3-sulphonic acid
4-chlorophenol
2-chlorophenothiazine
4-chlorophenoxyacetic acid
2-(4-chlorophenoxy)ethanol
2-(2-chlorophenoxy)propionic acid
4-chlorophenyl 2,3-epoxypropyl ether (4-chlorophenyl glycidyl ether)
 (4-chlorophenyl glycidyl ether) **4-chlorophenyl 2,3-epoxypropyl ether**
 (chloropicrin) **trichloronitromethane**
 (chloroprene) **2-chlorobutadiene**
 (3-chloropropene) **allyl chloride**
3-chloropropionic acid
chloroquinol (chlorohydroquinone)
4-chlororesorcinol
chlorosuccinic acid
 (chlorosulphonic acid) **chlorosulphuric acid**
chlorosulphuric acid (chlorosulphonic acid)
 α-chlorotoluene (benzyl chloride)
2-chlorotoluene
4-chlorotoluene-2-sulphonyl chloride
2-chloro-1,3,5-trinitrobenzene (picryl chloride)
chlorotriphenylmethane [triphenylchloromethane]
4-chloro-3,5-xyleneol [*p*-chlor-*m*-xyleneol]
 [chlorsalol] **phenyl 5-chlorosalicylate**
 [*p*-chlor-*m*-xyleneol] **4-chloro-3,5-xyleneol**
cholesterol
cholic acid
choline chloride (INN)
 [chrome alum] **chromium(III) potassium sulphate**

* See clause 4.

† The cetyl alcohol referred to here is not the commercial mixture of fatty alcohols generally known as cetostearyl, ceto-oleyl alcohols, etc.



- [chromic acid] chromium(VI) oxide
 [chromic anhydride] chromium(VI) oxide
 [chromic oxide] chromium(III) oxide
 [chromic potassium sulphate] chromium(III) potassium sulphate
 [chromic sulphate] chromium(III) sulphate
 chromium di(acetate) [chromous acetate]
 chromium(III) oxide (dichromium trioxide) [chromic oxide]
 chromium(VI) oxide (chromium trioxide) [chromic acid] [chromic anhydride]
 (chromium potassium bis(sulphate)) chromium(III) potassium sulphate
 chromium(III) potassium sulphate (chromium potassium bis(sulphate)) [chrome alum] [chromic potassium sulphate]
 chromium(III) sulphate (dichromium tris(sulphate)) [chromic sulphate]
 (chromium trioxide) chromium(VI) oxide
 (dichromium trioxide) chromium(III) oxide
 (dichromium tris(sulphate)) chromium(III) sulphate
 (chromotropic acid) 4,5-dihydroxynaphthalene-2,7-disulphonic acid
 [chromous acetate] chromium di(acetate)
 chromyl chloride
 [chrysazin] 1,8-dihydroxyanthraquinone
 chrysene
 cinchonidine
 cinchonine
 cineole (1,8-epoxy-*p*-menthane)
 cinnamaldehyde
 cinnamic acid
 cinnamyl acetate
 cinnamyl alcohol
 citraconic acid
 citraconic anhydride
 citral
 citramide
 citric acid
 citronellal
 citronellol
 ((*S*)-citronellol) rhodinol
 citronellyl acetate
 cobalt(II) chloride (cobalt dichloride) [cobaltous chloride]
 cobalt(III) chloride (cobalt trichloride) [cobaltic chloride]
 cobalt di(acetate) [cobaltous acetate]
 (cobalt dichloride) cobalt(II) chloride
 [cobaltic chloride] cobalt(III) chloride
 [cobaltous acetate] cobalt di(acetate)
 [cobaltous chloride] cobalt(II) chloride
 (cobalt trichloride) cobalt(III) chloride
 colchicine
 [2,4,6-collidine] 2,4,6-trimethylpyridine
 [columbium] niobium
 copper(I) chloride (copper monochloride) [cuprous chloride]
 copper(II) chloride (copper dichloride) [cupric chloride]
 copper chloride oxide [copper oxychloride]
 (copper dichloride) copper(II) chloride
 (copper monochloride) copper(I) chloride
 (copper monoxide) copper(II) oxide
 (dicopper oxide) copper(I) oxide
 copper(I) oxide (dicopper oxide) [cuprous oxide]
 copper(II) oxide (copper monoxide) [cupric oxide]
 [copper oxychloride] copper chloride oxide
 (copper(I) sodium dicyanide) sodium dicyanocuprate(I)
 (copper sulphate) copper(II) sulphate
 copper(II) sulphate (copper sulphate) [cupric sulphate]
 [corrosive sublimate] mercury(II) chloride
 cotarnine
 [*p*-coumaric acid] 4-hydroxycinnamic acid
 coumarin
 creatinine (2-imino-1-methylimidazolidin-4-one)
o-cresol
 [*o*-cresotic acid] 2-hydroxy-*m*-toluic acid
 [*o*-cresotinic acid] 2-hydroxy-*m*-toluic acid
 [*p*-cresyl methyl ether] 4-methylanisole
 crotonaldehyde
 crotonic acid
 cumene (isopropylbenzene)
 (pseudocumene) 1,2,4-trimethylbenzene
 cupferron (*N*-nitroso-*N*-phenylhydroxylamine, ammonium salt)
 [cupric chloride] copper(II) chloride
 [cupric oxide] copper(II) oxide
 [cupric sulphate] copper(II) sulphate
 [cuprous chloride] copper(I) chloride
 [cuprous oxide] copper(I) oxide
 curcumin (1,7-bis(4-hydroxy-3-methoxyphenyl)hepta-1,6-diene-3,5-dione)
 2-cyanoacetamide
 cyanoacetic acid
 cyanocobalamin (INN)
 cyanogen bromide
 cyanoguanidine [dicyandiamide]
 (2-cyanopropan-2-ol) 2-hydroxy-2-methylpropionitrile
 cyanuric acid (1,3,5-triazinetrione)
 cyclohexane
 cyclohexane-1,2-dione
 cyclohexane-1,2-dione dioxime
 cyclohexanol
 cyclohexanone
 cyclohexene
 cycloheximide (3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]glutarimide)
 cyclohexyl acetate
 cyclohexylamine
 cyclohexylammonium oleate
 cyclohexylbenzene [phenylcyclohexane]
N-cyclohexylbenzothiazole-2-sulphenamide
 [benzothiazole-2-sulphencyclohexylamide]
 cyclohex-1,2-ylenediaminetetra-acetic acid
 [1,2-diaminocyclohexane-*N,N,N',N'*-tetra-acetic acid]
 cyclopentanone
 cysteine hydrochloride
 cystine
 [dansyl chloride] 5-dimethylaminonaphthalene-1-sulphonyl chloride
 decahydronaphthalene [decalin] [dekalin]
 [decalin] decahydronaphthalene
 [decamethylene glycol] decane-1,10-diol
 decanal [decyl aldehyde]
 (decane-1,10-dicarboxylic acid) dodecanedioic acid
 decane-1,10-diol [decamethylene glycol]
 decane-1-thiol
 decanoic acid [capric acid]
 decan-1-ol
 decyl acetate
 [decyl aldehyde] decanal
 (decyl gallate) decyl 3,4,5-trihydroxybenzoate
 decyl 3,4,5-trihydroxybenzoate (decyl gallate)
 [dehydracetic acid] 3-acetyl-6-methyl-2*H*-pyran-2,4(3*H*)-dione
 [dekalin] decahydronaphthalene
 2'-deoxyadenosine
 [deoxyanisoin] 4-methoxybenzyl 4-methoxyphenyl ketone
 (deoxybenzoin) benzyl phenyl ketone
 [desoxybenzoin] benzyl phenyl ketone
 (dextrose) D-glucose
 [diacetin] glycerol 1,3-diacetate
 [diacetone alcohol] 4-hydroxy-4-methylpentan-2-one
 (1,3-diacetoxybenzene) *m*-phenylene di(acetate)
 (1,4-diacetoxybenzene) *p*-phenylene di(acetate)
 (1,2-diacetoxyethane) ethylene di(acetate)
 [diacetyl] butanedione
 [diacetyl monoxime] butanedione monoxime
 (4,4'-diaminoazobenzene) 4,4'-diaminoaniline