

Release schedule for review of workplace exposure standards

On this page:

- ↓ **Schedule of releases**
- ↓ **Contribute to the review**

We are reviewing the *Workplace exposure standards for airborne contaminants* to ensure they are based on the highest quality, contemporary evidence and supported by a rigorous, scientific [approach](#).

The draft evaluation reports for each chemical will be available for public comment. Chemicals will be released alphabetically throughout 2019 and 2020. Public comment will be open for each release for a period of four weeks on [Engage](#).

The chemical release groups and the anticipated dates for opening public comment are outlined below. Please note these dates are indicative only. For the latest information please continue to visit [Engage](#).

Schedule of releases

Release 1 - Silica, crystalline and coal (respirable dust): April 2019 (complete)

Release 2 - Acetaldehyde to benzoyl chloride: 30 August 2019

- Acetaldehyde
- Acetic acid
- Acetic anhydride
- Acetone
- Acetonitrile
- Acetylsalicylic acid
- Acrolein
- Acrylamide
- Acrylic acid
- Acrylonitrile
- Aldrin
- Allyl alcohol
- Allyl chloride
- ⬆ Allyl glycidyl ether (AGE)

llyl propyl disulfide

- α -Alumina
- Aluminium
 - metal dust
 - welding fumes
 - oxide
 - alkyls (NOC
 - pyro powders
 - soluble salts
- 2-Aminopyridine
- Amitrole
- Ammonia
- Ammonium chloride (fume)
- Ammonium perfluorooctanoate
- Ammonium persulfate
- Ammonium sulphamate
- Amyl acetate (iso-, n-, sec- isomers)
- Aniline and homologues
- Anisidine (o-, p- isomers)
- Antimony and compounds
- Antimony trioxide
- α -Naphthyl thiourea (ANTU)
- Arsenic and soluble compounds
- Arsine
- Atrazine
- Azinphos-methyl
- Barium
 - sulphate
 - soluble compounds
- Benomyl
- Benzene
- Benzidine *
- 1H-Benzotriazole *
- Benzoyl chloride *

Release 3 - Benzoyl peroxide to e-caprolactam: 13 September 2019



enzoyl peroxide

enzyl chloride

- Beryllium and compounds
- Biphenyl
- Bismuth telluride
- Bismuth telluride, Se-doped
- Bisphenol-A
- Bisphenol-A diglycidyl ether *
- Bitumen fumes *
- Borates, tetra, sodium salts
 - anhydrous
 - decahydrate
 - pentahydrate
- Boron
 - oxide
 - tribromide
 - trifluoride
- Bromacil
- Bromine
- Bromine pentafluoride
- Bromoform
- 1-Bromopropane *
- 1,3-Butadiene
- Butane
- 2-Butoxyethanol
- 2-Butoxyethyl acetate
- Butyl acetate (n-, sec-, t- isomers)
- n-Butyl acrylate
- n-Butyl alcohol
- Butyl alcohol (sec-, t- isomers)
- t-Butyl chromate
- n-Butyl glycidyl ether (BGE)
- n-Butyl lactate
- Butyl mercaptan
- Butylamine
- But-2-yne-1,4-diol *
- o-sec-Butylphenol
- p-t-Butyltoluene γ-butyrolactone *
- Cadmium and compounds
- Caesium hydroxide



alcium carbonate

alcium cyanamide

- Calcium hydroxide
- Calcium oxide
- Calcium silicate
- Calcium sulphate
- Camphor, synthetic
- e-Caprolactam (dust and vapour)

Release 4 - Caprolactam to clopidol: 27 September 2019

- Caprolactam (dust)
- Captafol
- Captan
- Carbaryl
- Carbofuran
- Carbon black
- Carbon dioxide (including in coal mines)
- Carbon disulphide
- Carbon monoxide
- Carbon tetrabromide
- Carbon tetrachloride
- Carbonyl fluoride
- Catechol
- Cellulose (paper fibre)
- Chlordane
- Chlorinated camphene
- Chlorinated diphenyl oxide

- Chlorine
- Chlorine dioxide
- Chlorine trifluoride
- 1-Chloro-1-nitropropane
- Chloroacetaldehyde
- Chloroacetone
- α -Chloroacetophenone
- Chloroacetyl chloride
- Chlorobenzene
- o-Chlorobenzylidene malononitrile
- Chlorobromomethane
- Chlorodifluoromethane



hloroform

is(Chloromethyl) ether

chloromethyl methyl ether *

- Chloropentafluoroethane
- Chloropicrin

- β -Chloroprene
- 2-Chloropropionic acid
- o-Chlorostyrene
- Chlorosulphonic acid
- o-Chlorotoluene
- Chlorpyrifos
- Chromium
 - II) compounds
 - III) compounds
 - metal
 - (VI) compounds, certain water insoluble
 - (VI) compounds, water soluble

- Chrysene *
- Clopidol

Release 5 - Coal tar pitch volatiles to dichloroacetylene: 11 October 2019

- Coal tar pitch volatiles (as benzene solubles)
- Cobalt
 - carbonyl
 - hydrocarbonyl *
 - metal dust and fume

- Copper
 - fume
 - dusts & mists

- Cotton dust, raw
- Cresol (all isomers)
- Crotonaldehyde
- Crufomate
- Cumene
- Cyanamide

- Cyanides and cyanide salts *



yanogen

yanogen chloride

- Cyclohexane
- Cyclohexanol
- Cyclohexanone
- Cyclohexene
- Cyclohexylamine
- Cyclonite
- Cyclopentadiene
- Cyclopentane
- Cyhexatin
- 2,4-Dichlorophenoxyacetic acid (2,4-D)
- Dichlorodiphenyl-trichloroethane (DDT)
- Decaborane
- Demeton

- Diacetone alcohol
- Diacetyl *
- Diazinon
- Diazomethane
- Diborane
- 1,2-Dibromo ethane *
- Dibutyl phenyl phosphate
- Dibutyl phosphate
- Dibutyl phthalate
- 2-N-Dibutylaminoethanol
- 1,1-Dichloro-1-nitroethane
- 1,4-Dichloro-2-butene *
- 1,3-Dichloro-5,5-dimethyl hydantoin
- Dichloroacetic acid *
- Dichloroacetylene

Release 6 - o-Dichlorobenzene to 1,4-dioxane: 25 October 2019

- o-Dichlorobenzene
- p-Dichlorobenzene
- 3,3'-Dichlorobenzidine
- Dichlorodifluoromethane
- 1,1-Dichloroethane
- Dichloroethyl ether
- 1,2-Dichloroethylene
- Dichlorofluoromethane
- Dichloropropene



,2-Dichloropropionic acid

- Dichlorotetrafluoroethane
- Dichlorvos
- Dicrotophos
- Dicyclopentadiene
- Dicyclopentadienyl iron
- Dieldrin

- Diesel engine emissions *
- Diethanolamine
- Diethyl ketone
- Diethyl phthalate
- Diethyl sulfate *
- Diethylamine
- 2-Diethylaminoethanol
- Diethylene glycol monobutyl ether *
- Diethylene triamine
- Difluorodibromomethane
- Diglycidyl ether (DGE)
- Diglycidyl resorcinol ether *
- Diisobutyl ketone
- Diisopropylamine
- Dimethyl acetamide
- Dimethyl carbomoyl chloride *

- Dimethyl ether
- Dimethyl sulfide *
- Dimethyl sulphate
- Dimethylamine
- Dimethylaminoethanol
- N,N-Dimethylaniline
- N,N-Dimethylethylamine
- Dimethylformamide
- 1,1-Dimethylhydrazine
- Dimethylphthalate
- Dimethylsulfamoyl chloride
- Dinitolmide
- Dinitrobenzene (m-, o-, p- isomers)
- Dinitro-o-cresol
- Dinitrotoluene
- 1,4-Dioxane



ease 7 - Dioxathion to n-ethylmorpholine: 8 November 2019

- Dioxathion
- 1,3-Dioxolane
- Diphenylamine
- Dipropyl ketone
- Diquat
- Di-sec-octyl phthalate
- Disulfiram
- Disulfoton
- 2,6-Di-t-butyl-p-cresol
- Diuron
- Divinyl benzene
- 2,6-Dimethylaniline (DMA)
- Ethylenediaminetetraacetic acid (EDTA)
- Emery (dust)
- Endosulfan
- Endrin
- Enflurane

- Epichlorohydrin
- EPN
- Ethanolamine
- Ethion
- 2-Ethoxyethanol
- 2-Ethoxyethyl acetate
- Ethyl acetate
- Ethyl acrylate
- Ethyl alcohol
- Ethyl benzene
- Ethyl bromide
- Ethyl butyl ketone
- Ethyl chloride
- Ethyl cyanoacrylate
- Ethyl ether
- Ethyl formate
- Ethyl mercaptan

- Ethyl silicate
- Ethylamine
- Ethylene
- Ethylene chlorohydrin



ethylene dichloride

ethylene glycol (particulate and vapour)

- Ethylene glycol dinitrate
- Ethylene oxide
- Ethylene thiourea
- Ethylenediamine
- Ethylenimine
- 2-Ethylhexanoic acid
- 2-Ethylhexanol
- Ethylidene norbornene
- N-Ethylmorpholine

Release 8 - Fenamiphos to hydrogenated terphelyls : 22 November 2019

- Fenamiphos
- Fensulfothion
- Fenthion
- Ferbam
- Ferrovandium dust
- Flour dust (cereal) *
- Fluorides
- Fluorine
- Fonofos
- Formaldehyde
- Formamide
- Formic acid
- Furfural
- Furfuryl alcohol
- Gallium arsenide *
- Germanium tetrahydride
- Glutaraldehyde

- Glycerin mist
- Glycidol
- Glyoxal *
- Grain dust (oats, wheat, barley)
- Graphite (respirable dust)
- Hafnium
- Halothane
- Hard metals (containing cobalt and tungsten carbide) *
- heptachlor
- heptane (n-Heptane)

hexachlorobenzene *

- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Hexachloronaphthalene
- Hexafluoroacetone

- Hexahydrophthalic anhydride *
- Hexamethyl phosphoramidate *
- Hexamethylene diisocyanate
- Hexane
 - n-Hexane
 - other isomers

- sec-Hexyl acetate
- Hexylene glycol
- Hydrazine
- Hydrogen bromide
- Hydrogen chloride
- Hydrogen cyanide
- Hydrogen fluoride
- Hydrogen peroxide
- Hydrogen selenide
- Hydrogen sulphide

Release 9 - Hydroquinone to mesityl oxide: 6 December 2019

- Hydroquinone
- Hydroxyacetic acid butyl ester *
- Hydroxypropyl acrylate *
- 2-Hydroxypropyl acrylate
- Indene
- Indium and compounds
- Iodine
- Iodoform
- Iron oxide fume
- Iron pentacarbonyl
- Iron salts, soluble
- Isoamyl acetate
- Isoamyl alcohol
- isobutyl acetate
- isobutyl alcohol



isocyanates

- Isooctyl alcohol
- Isopentane (2-methyl butane) *
- Isophorone
- Isophorone diisocyanate
- Isopropoxyethanol
- Isopropyl acetate
- Isopropyl alcohol
- Isopropyl ether
- Isopropyl glycidyl ether (IGE)
- Isopropylamine
- N-Isopropylaniline
- Kaolin
- Ketene
- Lead arsenate
- Lead chromate
- Lindane
- Lithium hydride
- Liquefied petroleum gas (LPG)
- Magnesite
- Magnesium oxide (fume)
- Malathion
- Maleic anhydride
- Manganese cyclopenta-dienyl tricarbonyl
- Manganese (dust, compounds and fume)
- Man-made mineral fibres (fibrous dust) *
- Man-made vitreous (silicate) fibres (MMVF)
- Mercury
 - alkyl compounds
 - aryl compounds
 - elemental vapour
 - inorganic divalent compounds
 - inorganic monovalent compounds
- Mesityl oxide

Release 10 - Methacrylic acid to 4,4'-methylene dianiline: 17 January 2020



Methacrylic acid

1ethomyl

- 1-Methoxy-2-propanol acetate
- Methoxychlor
- 2-Methoxyethanol
- 2-Methoxyethyl acetate
- (2-Methoxymethylethoxy) propanol
- 4-Methoxyphenol
- Methyl 2-cyanoacrylate
- Methyl acetate
- Methyl acetylene
- Methyl acetylene-propadiene mixture (MAPP)
- Methyl acrylate
- Methyl alcohol
- N-Methyl aniline
- Methyl bromide
- Methyl chloride

- Methyl demeton
- Methyl ethyl ketone (MEK)
- Methyl ethyl ketone peroxide
- Methyl formate
- Methyl hydrazine
- Methyl iodide
- Methyl isoamyl ketone
- Methyl isobutyl carbinol
- Methyl isobutyl ketone
- Methyl isocyanate
- Methyl isopropyl ketone
- Methyl mercaptan
- Methyl methacrylate
- Methyl n-amyl ketone
- Methyl n-butyl ketone
- Methyl parathion
- Methyl propyl ketone

- Methyl silicate
- α -Methyl styrene
- 1-Methyl-2-pyrrolidone
- Methylacrylonitrile
- Methylal
- Methylamine
- 2-Methylbutyl acetate *



1ethylcyclohexane

1ethylcyclohexanol

- o-Methylcyclohexanone
- Methylcyclopentadienyl manganese tricarbonyl
- 4,4'-Methylene bis(2-chloroaniline)
- Methylene bis(4-cyclo-hexylisocyanate)
- Methylene bisphenyl isocyanate (MDI)
- Methylene chloride
- 4,4'-Methylene dianiline

Release 11 - 5-Methylheptan-3-one to osmium tetroxide: 31 January 2020

- 5-Methylheptan-3-one
- Methyl-tert butyl ether
- Methyl vinyl ketone *
- Metribuzin
- Mevinphos
- Mica
- Mineral turpentine
- Molybdenum (soluble and insoluble compounds)
- Monochloroacetic acid
- Monocrotophos
- Morpholine
- Naled
- Naphthalene
- Natural rubber latex *
- Neopentane (2,2-Dimethylpropane) *
- Nickel carbonyl

- Nickel dichloride
- Nickel dinitrate
- Nickel
 - insoluble *
 - metal
 - powder
 - soluble compounds
 - sulphide roasting (fume and dust)
 - salt, nitric acid

- Nicotine
- litrapyrin
- litric acid



litric oxide

- 5-Nitro-o-toluidine *
- p-Nitroaniline
- Nitrobenzene
- p-Nitrochlorobenzene
- Nitroethane
- Nitrogen dioxide
- Nitrogen trifluoride
- Nitroglycerine (NG)
- Nitromethane
- Nitropropane (1-, 2-)
- N-Nitrosodimethylamine *
- Nitrotoluene (2-, 3-, 4-)
- Nitrous oxide
- Nonane
- Octachloronaphthalene
- Octane
- Oil mist, refined mineral
- Osmium tetroxide

Release 12 - Oxalic acid to picric acid: 14 February 2020

- Oxalic acid
- 2,2'-Oxybis(ethanol)
- Oxygen difluoride
- Ozone
- Paraffin wax (fume)
- Paraquat (respirable)
- Parathion
- Polychlorinated biphenyl (PCBs; 42%, 54% chlorine)
- Pentaborane
- Pentachloronaphthalene
- Pentachloronitrobenzene
- Pentachlorophenol
- Pentaerythritol
- Pentane
- 2,3-Pentanedione (Acetyl propionyl) *
- 2,4-Pentanedione *

eracetic acid *



erchloroethylene

erchloromethyl mercaptan

- Perchloryl fluoride
- Perfluoroisobutylene
- Perfluorooctanoic acid (PFOA) and its inorganic salts *
- Perlite dust
- Petrol (gasoline)
- Phenol
- Phenothiazine
- Phenyl ether (vapour)
- Phenyl glycidyl ether (PGE)
- Phenyl isocyanate *
- Phenyl mercaptan *
- N-Phenyl-2-naphthylamine *
- Phenylenediamine (m-, o-, p- isomers)

- Phenylhydrazine
- Phenylphosphine
- Phorate
- Phosgene
- Phosphine
- Phosphoric acid
- Phosphorus
 - yellow
 - oxychloride
 - pentachloride
 - pentasulphide
 - trichloride

- Phthalic anhydrid
- m-Phthalodinitrile
- Picloram
- Picric acid

Release 13 - Pindone to silicon tetrahydride: 28 February 2020

- Pindone
- Piperazine (dihydrochloride and salts)
- Piperidine
- Platinum (metal and soluble salts)
- Polycyclic aromatic hydrocarbon (PAH) mixture when containing benzo[a]pyrene *
- olyvinyl chloride *
- ortland cement



otassium hydroxide

- Potassium persulfate
- Propane-1,2-diol (vapour and particulates)
- Propane sultone *
- Propargyl alcohol
- β -Propiolactone
- Propionic acid
- Propoxur

- Propranolol
- n-Propyl acetate
- Propyl alcohol
- n-Propyl nitrate
- Propylene dichloride
- Propylene glycol dinitrate
- Propylene glycol monomethyl ether
- Propylene imine
- Propylene oxide
- Pyrethrum
- Pyridine
- Quinone
- Resorcinol
- Rhodium
- Ronnel
- Rosin core solder pyrolysis products (as formaldehyde)

- Rotenone
- Rouge dust
- Selenium compounds (excluding hydrogen selenide)
- Selenium hexafluoride
- Sesone
- Silica – amorphous
 - diatomaceous earth (uncalcined)
 - fume (thermally generated; respirable dust)
 - fumed silica (respirable dust)
 - precipitated silica
 - silica gel
 - fused

- Silicon
- Silicon carbide
- Silicon tetrahydride



ease 14 - Silver to tetryl: 13 March 2020

- Silver (metal and soluble compounds)
- Soapstone (respirable dust)
- Sodium azide
- Sodium bisulphite
- Sodium fluoroacetate
- Sodium hydroxide
- Sodium metabisulphite
- Sodium persulfate
- Starch
- Stearates
- Stibine
- Strychnine
- Styrene, monomer
- Subtilisins (proteolytic enzymes as 100% pure crystalline enzyme)
- Sucrose
- Sulfotep
- Sulphur dioxide

- Sulphur hexafluoride
- Sulphur monochloride
- Sulphur pentafluoride
- Sulphur tetrafluoride
- Sulphuric acid
- Sulphuryl fluoride
- Sulprofos
- Synthetic mineral fibres (SMF)
- 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)
- Talc (containing no asbestos fibres)
- Tantalum (metal and oxide dusts)
- Tellurium and compounds
- Tellurium hexafluoride
- Temephos
- TEPP
- Terephthalic acid *
- Terphenyls

- 1,1,2,2-Tetrabromoethane
- 1,1,2,2-Tetrachloro-1,2-difluoroethane
- 1,1,1,2-Tetrachloro-2,2-difluoroethane
- 1,1,2,2-Tetrachloroethane
- 1,2,3,4-Tetrachloronaphthalene



1,2,3,4-Tetrachloronaphthalene

- Tetraethyl lead
- 1,1,1,2-Tetrafluoroethane
- Tetrafluoroethylene *
- Tetrahydrofuran
- Tetramethyl lead
- Tetramethyl succinonitrile
- Tetranitromethane
- Tetrasodium pyrophosphate
- Tetryl

Release 15 - Thallium, soluble compounds to n-valeraldehyde: 27 March 2020

- Thallium (soluble compounds)
- 4,4'-Thiobis (6-t-butyl-m-cresol)
- Thioglycolic acid
- Thionyl chloride
- Thiram
- Tin,
 - metal
 - organic compounds
- Tin oxide and inorganic compounds (except Stannane)
- Titanium dioxide
- o-Tolidine *
- Toluene
- Toluene-2,4-diisocyanate (TDI)
- Toluidine (m-, o-, p- isomers)
- Tributyl phosphate
- 1,1,2-Trichloro-1,2,2-trifluoroethane
- Trichloroacetic acid
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethylene
- Trichlorofluoromethane
- Trichloronaphthalene
- 1,2,3-Trichloropropane
- Triethanolamine
- Triethylamine
- Trifluorobromomethane



Triglycidylisocyanurate (TGIC)

- Trimellitic anhydride
- Trimethylamine
- 2,4,5-Trimethylaniline *
- Trimethylbenzene (including 1,2,3-, 1,2,4-, 1,3,5-)
- Trimethyl phosphite
- 2,4,6-Trinitrotoluene (TNT)
- Triorthocresyl phosphate
- Triphenyl amine
- Triphenyl phosphat
- Tungsten (soluble and insoluble compounds)
- Turpentine (wood)
- Uranium (soluble and insoluble compounds)
- Urethane *
- n-Valeraldehyde

Release 16 - Vanadium to zirconium compounds: 10 April 2020

- Vanadium (respirable dust and fume)
- Vegetable oil mists
- Vinyl acetate
- Vinyl bromide
- Vinyl chloride, monomer
- 4-Vinyl cyclohexene *
- Vinyl cyclohexene dioxide
- N-Vinyl-2-pyrrolidone *
- Vinyl toluene
- Vinylidene chloride
- Vinylidene fluoride *
- Warfarin
- Welding fumes (NOC)
- White spirits (including Type 3 *)
- Wood dust (soft and hard)
- Xylene (o-, m-, p- isomers)
- m-Xylene- α,α' -diamine
- Xylidine
- Yttrium (metal and compounds)
- Zinc chloride (fume)
- Zinc chromates



- inc oxide (dust and fume)
- Zirconium compounds

*[Chemicals proposed for addition.](#)

Contribute to the review

To stay up-to-date with the review into workplace exposure standards, or take part in consultation opportunities, [subscribe to the chemical exposure standards mailing list](#).

If you have any further questions about workplace exposure standards, email WES@swa.gov.au.

This site is undergoing constant refinement. If you have noticed something that needs attention or have ideas for the site [please let us know](#).

Last modified on Wednesday 21 August 2019 [10816|92131]

Need assistance?

Let us answer your questions about Safe Work Australia.

[Contact us](#)

About Safe Work Australia

[About us](#)

[Our people](#)

An  [reports](#)

What we work with

Publications and resources

Virtual Seminar Series

Public consultation

Careers

Access to information

Information Publication Scheme

Freedom of Information

FOI Disclosure Log

Public Interest Disclosure Act

Follow us

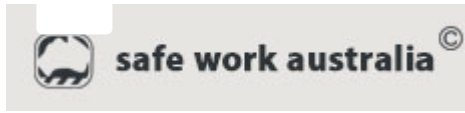


Subscribe for updates

Keep up to date with the latest news and information.

Subscribe





[Copyright](#) [Disclaimer](#) [Privacy](#) [Cloud policy](#) [Social media](#) [Accessibility](#)

