Workplace Exposure Limits (WEL) Checklist

3 Nov 2026 / Jessie Davidson

Complete

Score	1 / 111 (0.9%)	Flagged items	1	Actions	0

Site conducted	Unanswered
Conducted on	03.11.2026 13:00 PST
Prepared by	Jessie Davidson
Location	21 Wacol Station Rd, Wacol QLD 4076, Australia (-27.5874405, 152.9259556)

Flagged items

1 flagged

Workplace Exposure Limits / Solvents and vapors

Is Acetone at or below the 15-minute limit of 500 ppm?

No

Workplace Exposure Limits

1 flagged, 1 / 111 (0.9%)

Only answer the questions for substances used or produced at your workplace.
Some substances have more than one limit.
• Eight-hour average limit: your average exposure across a shift.
• 15-minute limit: the average over any 15-minute stretch. Not every substance has one. Where it does, check it as well.
• Peak limit: never to be exceeded, even briefly.

A substance passes only if it's at or below every limit listed for it.

*If you need to work out whether you're over a limit, use the formula from section 3.1 of Safe Work Australia's workplace exposure limits list:
Average = (level × time for each part of the period) added together ÷ length of the period

Solvents and vapors

1 flagged, 1 / 37 (2.7%)

Is Acetone at or below the eight-hour average limit of 250 ppm?	Yes
Is Acetone at or below the 15-minute limit of 500 ppm?	No
What's the reading and how did you measure it?	620 ppm 15-min STEL, measured with a calibrated PID
Is Toluene at or below the eight-hour average limit of 20 ppm?	
Is Xylene (o-, m-, p- isomers) at or below the eight-hour average limit of 80 ppm?	
Is Xylene (o-, m-, p- isomers) at or below the 15-minute limit of 150 ppm?	
Is Isopropyl alcohol at or below the eight-hour average limit of 200 ppm?	
Is Isopropyl alcohol at or below the 15-minute limit of 400 ppm?	
Is Ethyl alcohol at or below the eight-hour average limit of 200 ppm?	
Is Ethyl alcohol at or below the 15-minute limit of 800 ppm?	
Is Methyl alcohol at or below the eight-hour average limit of 100 ppm?	
Is Methyl ethyl ketone at or below the eight-hour average limit of 200 ppm?	

Is Methyl ethyl ketone at or below the 15-minute limit of 300 ppm?

Is Ethyl acetate at or below the eight-hour average limit of 200 ppm?

Is Ethyl acetate at or below the 15-minute limit of 400 ppm?

Is Hexane (n-hexane) at or below the eight-hour average limit of 50 ppm?

Is Mineral spirits (mineral turpentine) at or below the eight-hour average limit of 50 ppm?

Is Mineral spirits (mineral turpentine) at or below the 15-minute limit of 100 ppm?

Is Mineral spirits (white spirits) at or below the eight-hour average limit of 50 ppm?

Is Mineral spirits (white spirits) at or below the 15-minute limit of 100 ppm?

Is Styrene, monomer at or below the eight-hour average limit of 20 ppm?

Is Styrene, monomer at or below the 15-minute limit of 40 ppm?

Is Methylene chloride at or below the eight-hour average limit of 50 ppm?

Is Perchloroethylene at or below the eight-hour average limit of 20 ppm?

Is Perchloroethylene at or below the 15-minute limit of 40 ppm?

Is 2-Butoxyethanol at or below the eight-hour average limit of 10 ppm?

Is 2-Butoxyethanol at or below the 15-minute limit of 40 ppm?

Is Isocyanates, (poly-) (as NCO) at or below the eight-hour average limit of 0.02 mg/m^3?

Is Isocyanates, (poly-) (as NCO) at or below the 15-minute limit of 0.07 mg/m^3?

Is Formaldehyde at or below the eight-hour average limit of

1 ppm?

Is Formaldehyde at or below the 15-minute limit of 2 ppm?

Is 1-Bromopropane at or below the eight-hour average limit of 0.1 ppm?

Is Diethylene glycol monobutyl ether at or below the eight-hour average limit of 10 ppm?

Is 1,3-Dioxolane at or below the eight-hour average limit of 20 ppm?

Is 2-Ethylhexanol at or below the eight-hour average limit of 1 ppm?

Is 2-Methylbutyl acetate at or below the eight-hour average limit of 50 ppm?

Is 2-Methylbutyl acetate at or below the 15-minute limit of 100 ppm?

Is 2,4-Pentanedione at or below the eight-hour average limit of 25 ppm?

Dusts 0 / 16 (0%)

Is Silica – crystalline: Quartz (respirable dust) at or below the eight-hour average limit of 0.05 mg/m^3?

Is Silica – crystalline: Cristobalite (respirable dust) at or below the eight-hour average limit of 0.05 mg/m^3?

Is Portland cement (respirable dust) at or below the eight-hour average limit of 1 mg/m^3?

Is Wood dust (softwood) at or below the eight-hour average limit of 2 mg/m^3?

Is Wood dust (certain hardwood such as beech) at or below the eight-hour average limit of 1 mg/m^3?

Is Coal dust (containing < 5% quartz) (respirable dust) at or below the eight-hour average limit of 1.5 mg/m^3?

Is Grain dust (oats, wheat, barley) at or below the eight-hour average limit of 1.5 mg/m^3?

Is Talc (respirable) (containing no asbestos fibres) at or below the eight-hour average limit of 2 mg/m^3?

Is Calcium sulfate (respirable) at or below the eight-hour average limit of 1.5 mg/m³?

Is Asbestos (any form, or where the composition is unknown) at or below the eight-hour average limit of 0.1 f/mL (respirable fibres)?

Is Flour (cereal) dust at or below the eight-hour average limit of 0.5 mg/m³?

Is Barium sulfate (respirable) at or below the eight-hour average limit of 1.35 mg/m³?

Is Polyvinyl chloride (respirable dust) at or below the eight-hour average limit of 1 mg/m³?

Is Silicon carbide (non-fibrous dust) (inhalable) at or below the eight-hour average limit of 10 mg/m³?

Is Gallium arsenide (respirable) at or below the eight-hour average limit of 0.0003 mg/m³?

Is Indium phosphide at or below the eight-hour average limit of 0.1 mg/m³?

Welding and metal fumes 0 / 12 (0%)

Is Welding fumes (not otherwise classified) at or below the eight-hour average limit of 1 mg/m³?

Is Aluminium (welding fumes) (as Al) at or below the eight-hour average limit of 1 mg/m³?

Is Manganese fume, dust and compounds (as Mn) (inhalable) at or below the eight-hour average limit of 0.1 mg/m³?

Is Iron oxide fume (Fe2O3) (as Fe) at or below the eight-hour average limit of 5 mg/m³?

Is Zinc oxide (dust and fume) at or below the eight-hour average limit of 2 mg/m³?

Is Zinc oxide (dust and fume) at or below the 15-minute limit of 10 mg/m³?

Is Chromium (metal), (II), (III) (as Cr) at or below the eight-hour average limit of 0.5 mg/m³?

Is Nickel, metal and insoluble compounds (as Ni) at or below the eight-hour average limit of 0.1 mg/m³?

Is Cobalt (metal and inorganic compounds) at or below the eight-hour average limit of 0.02 mg/m^3?

Is Lead, inorganic dusts and fumes (as Pb) at or below the eight-hour average limit of 0.05 mg/m^3?

Is Cadmium and compounds (as Cd) at or below the eight-hour average limit of 0.001 mg/m^3?

Is Tungsten, metal and compounds (as W) at or below the eight-hour average limit of 3 mg/m^3?

Gases 0 / 14 (0%)

Is Carbon monoxide at or below the eight-hour average limit of 20 ppm?

Is Carbon dioxide at or below the eight-hour average limit of 5000 ppm?

Is Carbon dioxide at or below the 15-minute limit of 30000 ppm?

Is Nitrogen dioxide at or below the eight-hour average limit of 3 ppm?

Is Nitrogen dioxide at or below the 15-minute limit of 5 ppm?

Is Ozone at or below the peak limit of 0.1 ppm?

Is Sulfur dioxide at or below the 15-minute limit of 0.25 ppm?

Is Hydrogen sulphide at or below the eight-hour average limit of 10 ppm?

Is Hydrogen sulphide at or below the 15-minute limit of 15 ppm?

Is Ammonia at or below the eight-hour average limit of 20 ppm?

Is Ammonia at or below the 15-minute limit of 35 ppm?

Is Chlorine at or below the peak limit of 1 ppm?

Is LPG (liquified petroleum gas) at or below the eight-hour average limit of 1000 ppm?

Is Tetrafluoroethylene at or below the eight-hour average limit of 2 ppm?

Cleaning chemicals, acids and alkalis	0 / 8 (0%)
Is Sulfuric acid at or below the eight-hour average limit of 0.1 mg/m³?	
Is Nitric acid at or below the eight-hour average limit of 2 ppm?	
Is Hydrogen peroxide at or below the eight-hour average limit of 0.5 ppm?	
Is Sodium hydroxide at or below the peak limit of 2 mg/m³?	
Is Glutaraldehyde at or below the peak limit of 0.05 ppm?	
Is Acetic acid at or below the eight-hour average limit of 10 ppm?	
Is Acetic acid at or below the 15-minute limit of 15 ppm?	
Is Peracetic acid at or below the peak limit of 0.4 ppm?	
Fuels, fumes and mists	0 / 8 (0%)
Is Petrol (gasoline) at or below the eight-hour average limit of 300 ppm?	
Is Petrol (gasoline) at or below the peak limit of 500 ppm?	
Is Bitumen fumes at or below the eight-hour average limit of 0.5 mg/m³?	
Is Oil mist, refined mineral at or below the eight-hour average limit of 5 mg/m³?	
Is Benzene at or below the eight-hour average limit of 1 ppm?	
Is Phosphine at or below the eight-hour average limit of 0.05 ppm?	
Is Phosphine at or below the peak limit of 0.15 ppm?	
Is Diesel particulate matter (as respirable elemental carbon) at or below the eight-hour average limit of 0.01 mg/m³?	
Industrial and other chemicals	0 / 16 (0%)
Is Benzoyl chloride at or below the peak limit of 0.5 ppm?	

Is Bisphenol-A at or below the eight-hour average limit of 2 mg/m^3?

Is But-2-yne-1,4-diol at or below the eight-hour average limit of 0.5 mg/m^3?

Is Diacetyl at or below the eight-hour average limit of 0.01 ppm?

Is Diacetyl at or below the 15-minute limit of 0.02 ppm?

Is 2,3-Pentanedione at or below the eight-hour average limit of 0.02 ppm?

Is Dichloroacetic acid at or below the eight-hour average limit of 0.5 ppm?

Is Dimethyl sulfide at or below the eight-hour average limit of 10 ppm?

Is Diquat (respirable) at or below the eight-hour average limit of 0.1 mg/m^3?

Is 2-Ethylhexanoic acid at or below the eight-hour average limit of 5 mg/m^3?

Is Ethylene thiourea at or below the eight-hour average limit of 0.02 mg/m^3?

Is Glyoxal at or below the eight-hour average limit of 0.042 ppm?

Is Hexahydrophthalic anhydride at or below the peak limit of 0.005 mg/m^3?

Is 5-nitro-o-toluidine (inhalable) at or below the eight-hour average limit of 1 mg/m^3?

Is Phenyl isocyanate at or below the eight-hour average limit of 0.005 ppm?

Is Terephthalic acid at or below the eight-hour average limit of 5 mg/m^3?