

Occupational Health and Safety Regulation section 5.48 provides established exposure limits for a worker's exposure to hazardous chemical substances. Generally, these exposure limits are established according to the Threshold Limit Values ("TLVs") adopted by the American Conference of Governmental Industrial Hygienists ("ACGIH"). WorkSafeBC (the Workers' Compensation Board) has the authority to make exceptions and adopt exposure limits for specific chemical substances that are not consistent with the TLVs established by the ACGIH. Policy R5.48-1 sets out those exceptions. The below Table of Exposure Limits for Chemical and Biological Substances shows all exposure limits for British Columbia workplaces, i.e., adopted TLVs and exposure limits developed by exception.

WorkSafeBC publishes this exposure limit table in accordance with its mandate under the *Workers Compensation Act* to provide information and promote public awareness. This table does not represent the official exposure limits and designations. WorkSafeBC does not warrant the accuracy or the completeness of the information in this table, and none of its board of directors, employees or agents shall be liable to any person for any loss or damage of any nature arising from this version.

Where WorkSafeBC has adopted a TLV or ACGIH designation, the official exposure limit is in the ACGIH TLV documentation. Where an exposure limit is adopted by exception, the official exposure limit is found in Policy R5.48-1. The official source of the International Agency for Research on Cancer (IARC) carcinogenicity designations is the IARC set of monographs.

Explanation of table entries

General notes regarding the Table entries.

- Chemicals and other substances are listed in alphabetical order. Numerals and prefixes, for example, 1,3-, tert-, o-, sec-, cis-, are disregarded in determining alphabetical order.
- In square brackets is the Chemical Abstracts Services (CAS) registry number. This is a unique identification number assigned specifically to that substance, and can be a convenient way to identify substances.
- WorkSafeBC reviews and updates this Table as necessary. If the exposure limit for a substance has been revised or newly adopted since January 1, 2003 this Table reports the change with the words "Revised (year)". Each year, new and amended substances, including notation changes, are highlighted for a period of time in the Table. Recent deletions of substances from the Table are shown as strike through (e.g., ~~Emery~~).
- Endnotes: Letters in parentheses indicate endnotes, which are explained at the end of the table. Substances which have an "L" endnote are subject to section 5.57 (Designated substances) of the *OHS Regulation*. For more information see [OHS Guideline G5.57](#).
- For solid and liquid particulate matter, except where the terms inhalable, thoracic, or respirable particulate mass are stated, the exposure limits listed in the table are expressed in terms of "total particulate matter".
- Additional explanation about this table is available at [G5.48-2 Annual revisions to exposure limits](#)

TWA column

This is the 8-hour time weighted average (TWA) limit, as defined in [section 5.1](#) of the *OHS Regulation*.

- Units: Exposure limits are reported in ppm, mg/m³, or f/cc. In general, substances present in air as a vapour or gas are reported in parts per million (ppm). Substances present in air as an aerosol (dust, fume, mist) and mixtures such as diesel fuel are typically reported in milligrams per cubic metre (mg/m³). See [OHS Guideline G5.48-4](#) for a procedure to convert from one type of unit to the other. Fibrous substances, such as synthetic vitreous fibres (e.g., glass wool fibres) are reported in fibres per cubic centimetre (f/cc). This is equivalent to fibres per millilitre, or f/ml, which is another common term.

STEL/Ceiling column

This is the short-term exposure limit or STEL, which is defined in section 5.1 of the *OHS Regulation*. Note that:

- "C" indicates a ceiling limit, which is defined in section 5.1 of the *OHS Regulation*.
- The units ppm and mg/m³ are used as in the TWA column.
- In some cases, the term "**simple asphyxiant**" is used. This is a gas or vapour that can displace oxygen in the air, resulting in possible suffocation from lack of oxygen. Because simple asphyxiants do not have other significant toxic effects, an exposure limit is not applicable. The limiting factor is the available oxygen. See [section 5.56](#) of the *OHS Regulation* (Oxygen deficiency).

Bracketed letters are end notes, e.g., "(L)" and "(V)";

STEL column C = Ceiling limit;

Notations column R = Adverse reproductive effect; S = Sensitizer;

A1, A2, 1, 2A, 2B = Carcinogen designations

Notations column

The notations identify substances considered to be carcinogens, sensitizers and those with adverse reproductive effect under section 5.57 of the *OHS Regulation*. Section 5.57 deals with requirements for substitution and keeping exposure as low as reasonably achievable below the exposure limit. The notations column also indicates substances that contribute significantly to overall exposure by the skin route, in which case section 5.52 of the *OHS Regulation* applies. Note that:

- ACGIH notations **A1** and **A2** and IARC notations **1**, **2A** and **2B** indicate substances designated as carcinogens under section 5.57(1) of the *OHS Regulation*. The different categories used by the two organizations indicate different levels of certainty of carcinogenic effect, eg. from confirmed carcinogen to probable or possible. For more information see OHS Guideline G5.57.
- Three terms, "**S**", "**S(D)**", and "**S(R)**", indicate a substance is an ACGIH sensitizer under section 5.57(1) of the *OHS Regulation*. The ACGIH indicates that a substance is a sensitizer with a "SEN" notation or it states a substance as having a sensitizing effect in the *TLV Basis* column in the ACGIH booklet. "S" indicates that a substance has the potential to produce sensitization, as confirmed by human or animal data. "S(D)" indicates a substance with specific evidence of sensitization by dermal route and "S(R)" indicates a substance with specific evidence of sensitization by respiratory route. The absence of a sensitization notation does not mean that a substance lacks the ability to produce sensitization, but may reflect the inconclusiveness of scientific evidence. For more information, see OHS Guideline G5.57.
- The letter "**R**" means that the substance has an adverse reproductive effect under section 5.57(1) of the *OHS Regulation*. For more information see OHS Guideline G5.57.
- The term "**EX**" means that the substance is a flammable asphyxiant or excursions above the exposure limit could approach 10% of the lower explosive limit.
- The term "**Skin**" identifies substances that contribute significantly to the overall exposure by the skin route. For more information see OHS Guideline G5.52.

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Abate (See Temephos)			
Acetaldehyde [75-07-0] Revised 2014		C 25 ppm	A2, 2B
Acetamide [60-35-5]			2B; (I)
Acetamidiprid, Inhalable fraction and vapour [135410-20-7]			R; (I)
Acetic acid [64-19-7]	10 ppm	15 ppm	
Acetic anhydride [108-24-7] Revised 2011	1 ppm	3 ppm	
Acetone [67-64-1]	250 ppm	500 ppm	
Acetone cyanohydrin, as CN [75-86-5]		C 1ppm	Skin
Acetonitrile [75-05-8]	20 ppm		Skin
Acetophenone [98-86-2]	10 ppm		R
Acetylene [74-86-2]		Simple asphyxiant	EX
Acetylene tetrabromide (See 1,1,2,2 Tetrabromoethane)			
Acetylsalicylic acid (Aspirin) [50-78-2]	5 mg/m ³		S(R); Skin
Acrolein [107-02-8]		C 0.1 ppm	Skin; 2A
Acrylamide, Inhalable [79-06-1] Revised 2005	0.03 mg/m ³ (V)		S(D); Skin; A2; 2A
Acrylic acid [79-10-7]	2 ppm		Skin; R
Acrylonitrile [107-13-1]	2 ppm		Skin; 2B
Adipic acid [124-04-9]	5 mg/m ³		
Adiponitrile [111-69-3]	2 ppm		Skin
Alachlor, Inhalable [15972-60-8] Revised 2007	1.0 mg/m ³ (V)		S(D)
Aldicarb [116-06-3]			Skin; (I)
Aldrin, Inhalable [309-00-2] Revised 2007	0.05mg/m ³ (V)		2A; Skin
Allyl alcohol [107-18-6]	0.5 ppm		Skin
Allyl amine [107-11-9]	2 ppm		
Allyl bromide [106-95-6]			Skin; (I)
Allyl chloride [107-05-1] Revised 2011	1 ppm	2 ppm	Skin
Allyl glycidyl ether [106-92-3]	1 ppm		
Allyl methacrylate [96-05-9]			Skin; (I)
Allyl propyl disulfide [2179-59-1] Revised 2006	0.5 ppm		S(D)

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Aluminum metal and insoluble compounds [7429-90-5] , Respirable, Revised 2008	1.0 mg/m ³		
o-Aminoazotoluene [97-56-3]			2B
4-Aminobiphenyl [92-67-1]	(L)		Skin; A1, 1
1-Amino-2,4-dibromoanthraquinone [81-49-2]			2B
2-Aminopyridine [504-29-0]	0.5 ppm		
Amitrole [61-82-5] Revised 2006	0.2 mg/m ³		R
Ammonia [7664-41-7]	25 ppm	35 ppm	
Ammonium chloride - Fume [12125-02-9]	10 mg/m ³	20 mg/m ³	
Ammonium perfluorooctanoate [3825-26-1]	0.01 mg/m ³		Skin
Ammonium sulfamate [7773-06-0]	10 mg/m ³ (N)		
tert-Amyl methyl ether (TAME) [994-05-8]	20 ppm		R
Aniline [62-53-3]	2 ppm		Skin; 2A
o-Anisidine [90-04-0]	0.5 mg/m ³		Skin; 2A
p-Anisidine [104-94-9]	0.5 mg/m ³		Skin
Anthraquinone [84-65-1]			2B
Antimony and compounds, as Sb [7440-36-0]	0.5 mg/m ³		
Antimony hydride (Stibine) [7803-52-3]	0.1 ppm		
Antimony trioxide, Inhalable [1309-64-4] Adopted 2025	0.02 mg/m ³		A2, 2A
ANTU [86-88-4]	0.3 mg/m ³		Skin
Argon [7440-37-1]		Simple asphyxiant	
Arsenic and inorganic compounds, as As [7440-38-2]	0.01 mg/m ³		A1, 1
Arsine [7784-42-1] Revised 2007	0.005 ppm		
Asbestos - All forms [1332-21-4]	0.1 f/cc (F)		A1, 1
Asphalt (Bitumen) fume, as benzene-soluble aerosol, Inhalable [8052-42-4]	0.5 mg/m ³		2B, (I)
Atrazine [1912-24-9]	5 mg/m ³		R
Azinphos-methyl, Inhalable [86-50-0]	0.2 mg/m ³ (V)		Skin; S(D)
Barium and soluble compounds, as Ba [7440-39-3]	0.5 mg/m ³		
Barium sulfate [7727-43-7], Inhalable, Revised 2018	5 mg/m ³ (E)		
Bendiocarb [22781-23-3]			Skin; (I)
Benomyl, Inhalable [17804-35-2] Revised 2008	1 mg/m ³		R, S(D)
Bensulide, Inhalable fraction and vapour [741-58-2]			(I)
Benz[a]anthracene [56-55-3] Revised 2006	(L)		A2, 2B
Benzene [71-43-2]	0.5 ppm	2.5 ppm	Skin; A1, 1
Benzidine [92-87-5]	(L)		Skin; A1, 1
Benzidine based dyes			2A
Benzo[b]fluoranthene [205-99-2]	(L)		A2, 2B
Benzoic acid and alkali benzoates:			
Benzoic acid [65-85-0], Inhalable fraction and vapour			Skin; (I)
Sodium benzoate, as benzoate [532-32-1], Inhalable			Skin; (I)
Potassium benzoate, as benzoate [582-25-2], Inhalable			Skin; (I)
Benzophenone [119-61-9]			2B
Benzo[a]pyrene [50-32-8] Revised 2006	(L)		A2, 1
1,4-Benzoquinone [106-51-4]	0.1 ppm		S(D)
Benzotrichloride [98-07-7]		C 0.1 ppm	Skin; A2, 2A
Benzoyl chloride [98-88-4]		C 0.5 ppm	2A
Benzoyl peroxide [94-36-0]	5 mg/m ³		
Benzyl acetate [140-11-4]	10 ppm		
Benzyl chloride [100-44-7]		C 1 ppm	2A
Beryllium and compounds, Inhalable, as Be [7440-41-7] Revised 2009; 2010; 2015	0.00005 mg/m ³		A1, 1; Skin; S(D); S(R); (I)

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Biphenyl [92-52-4]	0.2 ppm		
Bismuth telluride - Se-doped [1304-82-1]	5 mg/m ³		
Bismuth telluride - Undoped [1304-82-1]	10 mg/m ³ (N)		
Borate compounds, Inorganic, Inhalable [1303-96-4; 1330-43-4; 10043-35-3; 12179-04-3] Revised 2005	2 mg/m ³	6 mg/m ³	
Boron oxide [1303-86-2]	10 mg/m ³		
Boron tribromide [10294-33-4]		C 1 ppm	
Boron trichloride [10294-34-5]			(I)
Boron trifluoride [7637-07-2] Revised 2020	0.1 ppm	C 1 ppm	
Boron trifluoride ethers, as BF ₃ [109-63-7; 353-42-4]	0.1 ppm		
Bromacil [314-40-9]	10 mg/m ³		
Bromine [7726-95-6]	0.1 ppm	0.2 ppm	
Bromine pentafluoride [7789-30-2]	0.1 ppm		
Bromochloroacetic acid [5589-96-8]			2B
Bromochloromethane [74-97-5]	200 ppm	250 ppm	
Bromodichloromethane [75-27-4]			2B
Bromoform [75-25-2] Revised 2009	0.5 ppm		
1-Bromopropane [106-94-5] Revised 2018	0.1 ppm		R; 2B
Buprofezin, Inhalable fraction and vapour [69327-76-0]			S(D); (I)
1,3-Butadiene [106-99-0]	2 ppm		A2, 1
Butane, all isomers: n-butane [106-97-8] and isobutane [75-28-5] Revised 2018		1000 ppm	EX
n-Butanol [71-36-3]	15 ppm	C 30 ppm	
sec-Butanol [78-92-2]	100 ppm		
tert-Butanol [75-65-0]	100 ppm		
Butenes, all isomers, including Isobutene [106-98-9; 107-01-7; 590-18-1; 624-64-6; 25167-67-3; 115-11-7]			(I)
2-Butoxyethanol (EGBE) [111-76-2] Revised 2003	20 ppm		
2-Butoxyethyl acetate [112-07-2] Revised 2003	20 ppm		
1-tert-Butoxypropan-2-ol			2B
Butyl acetate, all isomers [105-46-4; 110-19-0; 123-86-4; 540-88-5]	50 ppm	150 ppm	
n-Butyl acrylate [141-32-2]	2 ppm		S(D)
n-Butylamine [109-73-9]		C 5 ppm	Skin
Butylated hydroxytoluene (BHT), Inhalable, (2,6-Di-tert-butyl-p-cresol) [128-37-0]	2 mg/m ³ (V)		
tert-Butyl chromate, as CrO ₃ [1189-85-1]		C 0.1 mg/m ³	Skin
n-Butyl glycidyl ether (BGE) [2426-08-6] Revised 2005	3 ppm		2B; Skin; S(D); R
tert-Butyl hydroperoxide [75-91-2]			A2; (I)
n-Butyl lactate [138-22-7]	5 ppm		
n-Butyl mercaptan [109-79-5]	0.5 ppm		
n-Butyl methacrylate [97-88-1]	50 ppm		2B
4-tert-Butylbenzoic acid [98-73-7]			(I); Skin; R
o-sec-Butylphenol [89-72-5]	5 ppm		Skin
p-tert-Butyltoluene [98-51-1]	1 ppm		
Cadmium and compounds, as Cd [7440-43-9]	0.01 mg/m ³		A2, 1
Cadmium and compounds, Respirable, as Cd [7440-43-9]	0.002 mg/m ³		A2, 1
Cadusafos [95465-99-9]			Skin; (I)
Calcium carbonate (incl. Limestone, Marble) [1317-65-3]	10 mg/m ³ (N)	20 mg/m ³	
Calcium chromate, as Cr, Total [13765-19-0]	0.001 mg/m ³		A1, 1; Skin; S(D); S(R)
Calcium cyanamide [156-62-7]	0.5 mg/m ³		
Calcium hydroxide [1305-62-0]	5 mg/m ³		
Calcium oxide [1305-78-8]	2 mg/m ³		
Calcium silicate, naturally occurring as Wollastonite, Inhalable [13983-17-0] Revised 2020	1 mg/m ³ (E)		

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Calcium sulfate, Inhalable [7778-18-9; 10034-76-1; 10101-41-4; 13397-24-5]	10 mg/m ³		
Camphor - Synthetic [76-22-2]	2 ppm	3 ppm	
Caprolactam, Dust [105-60-2]	1 mg/m ³	3 mg/m ³	
Captafol [2425-06-1]	0.1 mg/m ³		2A; S(D);S(R)
Captafol, Inhalable fraction and vapour [2425-06-1]			2A; S(D);S(R) (I)
Captan, Inhalable [133-06-2]	5 mg/m ³		S(D)
Carbaryl [63-25-2] Revised 2008; 2010	5 mg/m ³		Skin; R
Carbazole [86-74-8]			2B
Carbofuran, Inhalable [1563-66-2] Revised 2004	0.1 mg/m ³ (V)		
Carbon black, Inhalable [1333-86-4] Revised 2011	3 mg/m ³		2B
Carbon dioxide [124-38-9]	5000 ppm	15,000 ppm	
Carbon disulfide [75-15-0]	4 ppm	12 ppm	Skin
Carbon monoxide [630-08-0]	25 ppm	100 ppm	R
Carbon tetrabromide [558-13-4]	0.1 ppm	0.3 ppm	
Carbon tetrachloride [56-23-5]	2 ppm		Skin; A2, 2B
Carbonyl fluoride [353-50-4]	2 ppm	5 ppm	
Carbonyl sulfide [463-58-1] Revised 2015	5 ppm		
Carfentrazone-ethyl [128639-02-1]			(I)
Catechol [120-80-9]	5 ppm		Skin; 2B
Cellulose [9004-34-6]	10 mg/m ³ (N)		
Cesium hydroxide [21351-79-1]	2 mg/m ³		
Chlordane [57-74-9]	0.5 mg/m ³		Skin; 2B
Chlordane, Inhalable fraction and vapour [57-74-9]			Skin; 2B; (I)
Chlorinated camphene [8001-35-2]	0.5 mg/m ³	1 mg/m ³	Skin; 2B
o-Chlorinated diphenyl oxide [31242-93-0]	0.5 mg/m ³		
Chlorine [7782-50-5]	0.1 ppm	1 ppm	
Chlorine dioxide [10049-04-4]	0.1 ppm	0.3 ppm	
Chlorine trifluoride [7790-91-2]		C 0.1 ppm	
Chloroacetaldehyde [107-20-0]		C 1 ppm	
Chloroacetic acid (monochloroacetic acid) [79-11-8]	0.3 ppm		Skin
Chloroacetone [78-95-5]		C 1 ppm	Skin
2-Chloroacetophenone [532-27-4]	0.05 ppm		
Chloroacetyl chloride [79-04-9]	0.05 ppm	0.15 ppm	Skin
p-Chloroaniline [106-47-8]			2B
Chlorobenzene [108-90-7]	10 ppm		
o-Chlorobenzylidene malononitrile [2698-41-1]		C 0.05 ppm	Skin
Chlorobromomethane (see Bromochloromethane)			
Chlordecone (Kepone) [143-50-0]			2B
1-Chloro-1,1-difluoroethane [75-68-3]	1000 ppm		
Chlorodifluoromethane [75-45-6]	500 ppm	1250 ppm	
Chlorodiphenyl (42% chloride) [53469-21-9]	1 mg/m ³		Skin; 1
Chlorodiphenyl (54% chloride) [11097-69-1]	0.5 mg/m ³		Skin; 1
Chloroform [67-66-3]	2 ppm		2B; R
bis(Chloromethyl) ether [542-88-1]	0.001 ppm		A1, 1
Chloromethyl methyl ether [107-30-2]	(L)		A2, 1
1-Chloro-2-methylpropene [513-37-1]			2B
3-Chloro-2-methylpropene [563-47-3]			2B
1-Chloro-1-nitropropane [600-25-9]	2 ppm		
Chloropentafluoroethane [76-15-3]	1000 ppm		
4-Chloro-ortho-phenylenediamine [95-83-0]			2B
Chloropicrin [76-06-2]	0.1 ppm		
beta-Chloroprene [126-99-8]	10 ppm		A2; 2B; Skin

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1-Chloro-2-propanol [127-00-4] Revised 2008	1 ppm		Skin
2-Chloro-1-propanol [78-89-7] Revised 2008	1 ppm		Skin
2-Chloropropionic acid [598-78-7]	0.1 ppm		Skin; R
o-Chlorostyrene [2039-87-4]	50 ppm	75 ppm	
Chlorothalonil [1897-45-6]			2B
o-Chlorotoluene [95-49-8]	50 ppm		
4-Chloro-o-Toluidine [95-69-2]			2A
Chlorotrifluoromethane [75-72-9]	1000 ppm		
Chlorpyrifos, Inhalable [2921-88-2] Revised 2003	0.1 mg/m ³ (V)		Skin
Chromium and inorganic compounds:			
Metallic chromium, as Cr(0), Inhalable [7440-47-3] Adopted 2024	0.5 mg/m ³		
Trivalent chromium compounds, as Cr (III), Total [7440-47-3]	0.5 mg/m ³		S(D), S(R) for water soluble only
Trivalent chromium compounds, as Cr(III), Inhalable [7440-47-3]			S(D), S(R) for water-soluble only; (I)
Hexavalent chromium compounds, as Cr(VI), Total, Insoluble [7440-47-3]	0.01 mg/m ³		A1, 1; S(D); S(R)
Hexavalent chromium compounds, as Cr(VI), Total, Water-soluble [7440-47-3]	0.025 mg/m ³	C 0.1 mg/m ³	A1, 1; Skin; S(D); S(R)
Hexavalent chromium compounds, as Cr(VI), Inhalable [7440-47-3]			A1, 1; S(D); S(R); Skin for water-
Chromyl chloride, as Cr(VI), Total [14977-61-8]	0.025 ppm		A1, 1; Skin; S(D); S(R)
Chromite ore processing (See Trivalent chromium compounds, as Cr(III), Total; and Hexavalent chromium compounds, as Cr(VI), Total)			A1, 1; Skin; S(D); S(R)
Chrysene [218-01-9] Revised 2006	(L)		2B
Citral, inhalable [5292-40-5]			Skin; S(D); (I)
Clopidol [2971-90-6] Revised 2018	10 mg/m ³		
Clothianidin [210880-92-5], Inhalable			(I); R
Coal dust - Anthracite, Respirable [8029-10-5]	0.4 mg/m ³		
Coal dust - Bituminous or Lignite, Respirable [308062-82-0]	0.9 mg/m ³		
Coal tar pitch volatiles, as benzene-soluble aerosol [65996-93-2]	0.2 mg/m ³		A1, 1
Cobalt and inorganic compounds, as Co, Inhalable [7440-48-4] Adopted 2024	0.02 mg/m ³		2A, S(D); S(R); (I)
Cobalt carbonyl, as Co [10210-68-1]	0.1 mg/m ³		2B
Cobalt hydrocarbonyl, as Co [16842-03-8]	0.1 mg/m ³		2B
Copper - Dusts and mists, as Cu [7440-50-8]	1 mg/m ³		
Copper - Fume, as Cu [7440-50-8]	0.2 mg/m ³		
Copper naphthenate, Inhalable fraction and vapour [1338-02-9]			S(D); (I)
Cotton dust - Raw, Untreated, Thoracic, Revised 2011	0.1 mg/m ³		
Coumaphos, Inhalable [56-72-4] Revised 2006	0.05 mg/m ³ (V)		Skin
p-Cresidine [120-71-8]			2B
Cresol, all isomers [95-48-7; 106-44-5; 108-39-4; 1319-77-3]	10 mg/m ³		Skin
Crotonaldehyde [4170-30-3]		C 0.3 ppm	Skin; 2B
Crufomate [299-86-5]	5 mg/m ³		
Cumene [98-82-8] Revised 2025	5 ppm		2B
Cyanamide [420-04-2]	2 mg/m ³		
Cyanazine [21725-46-2]			(I); R
Cyanoacrylates, Ethyl [7085-85-0] and Methyl [137-05-3]	0.2 ppm		S(D); S(R)
Cyanogen [460-19-5]	10 ppm		
Cyanogen bromide [506-68-3]			(I)
Cyanogen chloride [506-77-4]		C 0.3 ppm	
Cyclohexane [110-82-7]	100 ppm		
Cyclohexanol [108-93-0]	50 ppm		Skin

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Cyclohexanone [108-94-1] Revised 2003	20 ppm	50 ppm	Skin
Cyclohexene [110-83-8] Revised 2023	20 ppm		
Cyclohexylamine [108-91-8]	10 ppm		
Cyclonite [121-82-4]	0.5 mg/m ³		Skin
Cyclopentane [287-92-3]	600 ppm		EX
Cyhexatin [13121-70-5]	5 mg/m ³		
Cyromazine [66215-27-8], Inhalable			(I)
2,4-D (2,4-Dichlorophenoxy-acetic acid) [94-75-7] (see 2,4-Dichlorophenoxyacetic acid and its esters)			
DDT (Dichloro-diphenyltrichloroethane) [50-29-3]	1 mg/m ³		2A
Decaborane [17702-41-9]	0.05 ppm	0.15 ppm	Skin
Demeton, Inhalable [8065-48-3]	0.05 mg/m ³ (V)		Skin
Demeton-S-methyl, Inhalable [919-86-8]	0.05 mg/m ³ (V)		Skin; S(D)
Desflurane [57041-67-5]			(I)
Diacetone alcohol [123-42-2]	50 ppm		
Diacetyl [431-03-8] Revised 2015	0.01 ppm	0.02 ppm	S(D)
N,N'-Diacetylbenzidine [613-35-4]			2B
2,4-Diaminoanisole [615-05-4]			2B
4,4'-Diaminodiphenyl ether [101-80-4]			2B
2,4-Diaminotoluene [95-80-7]			2B
o-Dianisidine [119-93-7]			2B
Diazinon, Inhalable [333-41-5] Revised 2003	0.01 mg/m ³ (V)		2A; Skin
Diazomethane [334-88-3]	0.2 ppm		A2
Diborane [19287-45-7]	0.1 ppm		
Dibromoacetic acid [631-64-1]			2B
Dibromoacetonitrile [3252-43-5]			2B
1,2-Dibromo-3-chloropropane [96-12-8]			2B
2,3-Dibromopropan-1-ol [96-13-9]			2B
2-N-Dibutylaminoethanol [102-81-8]	0.5 ppm		Skin
Dibutyl phenyl phosphate [2528-36-1]	0.3 ppm		Skin
Dibutyl phosphate [107-66-4] Revised 2009; 2010	1 ppm	2 ppm	Skin
Dibutyl phthalate [84-74-2]	5 mg/m ³		R
Dichloroacetic acid [79-43-6] Revised 2005	0.5 ppm		Skin; 2B; R
Dichloroacetylene [7572-29-4]		C 0.1 ppm	
o-Dichlorobenzene [95-50-1]	25 ppm	50 ppm	
p-Dichlorobenzene [106-46-7]	10 ppm		2B
3,3'-Dichlorobenzidine [91-94-1]	(L)		Skin; 2B
1,4-Dichloro-2-butene [764-41-0]	0.005 ppm		Skin; A2
2,2-Dichlorodiethyl sulfide (Mustard Gas) [505-60-2]			1
Dichlorodifluoromethane [75-71-8]	1000 ppm		
1,3-Dichloro-5,5-dimethylhydantoin [118-52-5]	0.2 mg/m ³	0.4 mg/m ³	
1,1-Dichloroethane [75-34-3]	100 ppm		
1,2-Dichloroethane (see ethylene dichloride)			
1,2-Dichloroethylene, all isomers [540-59-0; 156-59-2; 156-60-5]	200 ppm		
Dichloroethyl ether [111-44-4]	5 ppm	10 ppm	Skin
Dichlorofluoromethane [75-43-4]	10 ppm		
Dichloromethane [75-09-2]	25 ppm		2A
2,2'-Dichloro-n-methyldiethylamine (Nitrogen mustard) [51-75-2]			2A
1,1-Dichloro-1-nitroethane [594-72-9]	2 ppm		
1,3-Dichloro-2-propanol [96-23-1]			2B
1,3-Dichloropropene [542-75-6]	1 ppm		Skin; 2B
2,4-Dichlorophenoxyacetic acid and its esters (2,4-D) [94-75-7] Revised 2006	10 mg/m ³	20 mg/m ³	2B; (I)

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

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2,2-Dichloropropionic acid, Inhalable [75-99-0]	5 mg/m ³		
Dichlorotetrafluoroethane (Cryofluorane) [76-14-2]	1000 ppm		
Dichlorvos (DDVP), Inhalable [62-73-7]	0.1 mg/m ³ (V)		Skin; 2B; S(D)
Dicrotophos, Inhalable [141-66-2]	0.05 mg/m ³ (V)		Skin
Dicyclohexylmethane-4,4'-diisocyanate [5124-30-1] (see Methylene bis (4-cyclohexylisocyanate))			
Dicyclopentadiene [77-73-6] including Cyclopentadiene [542-92-7] Adopted 2024	0.5 ppm		
Dicyclopentadienyl iron, as Fe [102-54-5]	10 mg/m ³ (N)		
Dieldrin [60-57-1]	0.25 mg/m ³		2A; Skin; R
Diesel fuel, as total hydrocarbons, Inhalable [68334-30-5; 68476-30-2; 68476-31-3; 68476-34-6; 77650-28-3]	100 mg/m ³ (V)		Skin; 2B; (I)
Diethanolamine [111-42-2] Revised 2009; 2010	2 mg/m ³		Skin; 2B
Diethylamine [109-89-7]	5 ppm	15 ppm	Skin
2-Diethylaminoethanol [100-37-8]	2 ppm		Skin
Diethylene glycol monobutyl ether [112-34-5]			(I)
Diethylenetriamine [111-40-0]	1 ppm		Skin
Di(2-ethylhexyl)phthalate (DEHP) [117-81-7]	5 mg/m ³		2B; Skin; R
N,N-Diethylhydroxylamine [3710-84-7]			(I)
Diethyl ketone [96-22-0]	200 ppm	300 ppm	
Diethyl phthalate [84-66-2]	5 mg/m ³		
Diethyl sulfate [64-67-5]			2A
Difluorodibromomethane [75-61-6]	100 ppm		
Diglycidyl ether (DGE) [2238-07-5] Revised 2007	0.01 ppm		R
Diglycidyl resorcinol ether [101-90-6]			2B
Dihydrosafrole [94-58-6]			2B
Diisobutyl ketone [108-83-8]	25 ppm		
Diisocyanates, not elsewhere specified, NOS	0.005 ppm	C 0.01ppm	
Diisopropylamine [108-18-9]	5 ppm		Skin
Diisopropyl sulfate [2973-10-6]			2B
Dimethenamid-P, Inhalable fraction and vapour [163515-14-8]			S(D); (I)
3,3'-Dimethoxybenzidine [119-90-4]			2B
Dimethoxymethane [109-87-5]	1000 ppm	1250 ppm	
Dimethylacetamide or N,N-Dimethylacetamide [127-19-5]	10 ppm		2B; Skin; R
Dimethylamine [124-40-3]	5 ppm	15 ppm	S(D)
bis(2-Dimethylaminoethyl) ether (DMAEE) [3033-62-3]	0.05 ppm	0.15 ppm	Skin
2,6-Dimethylaniline (2,6-Xylidine) [87-62-7]			2B
Dimethylaniline [121-69-7]	5 ppm	10 ppm	Skin
3,3'-Dimethylbenzidine [119-93-7]			2B
Dimethyl carbamoyl chloride [79-44-7] Revised 2007	0.005 ppm		Skin; A2, 2A
Dimethyl disulfide [624-92-0] Revised 2007	0.5 ppm		Skin
Dimethyl ether [115-10-6]	1000 ppm		
Dimethylethoxysilane [14857-34-2]	0.5 ppm	1.5 ppm	
Dimethylformamide [68-12-2]	5 ppm		Skin; 2A
1,1-Dimethylhydrazine [57-14-7]	0.01 ppm		Skin; 2B
1,2-Dimethylhydrazine [540-73-8]			2A
Dimethylphenol, all isomers [95-65-8; 95-87-4; 105-67-9; 108-68-9; 526-75-0; 576-26-1; 1300-71-6]			S(D), (I)
Dimethyl phthalate [131-11-3]	5 mg/m ³		
Dimethyl sulfate [77-78-1]		C 0.1 ppm	Skin; 2A
Dimethyl sulfide [75-18-3] Revised 2004	10 ppm		
N,N-Dimethyl-p-toluidine [99-97-8]			2B
Dinitolmide [148-01-6] (See 3,5-Dinitro-o-toluamide)			

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

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Dinitrobenzene, all isomers [99-65-0; 100-25-4; 528-29-0; 25154-54-5]	0.15 ppm		Skin
Dinitro-o-cresol [534-52-1]	0.2 mg/m ³		Skin
3,5-Dinitro-o-toluamide [148-01-6] Revised 2007	1 mg/m ³		
Dinitrotoluene [25321-14-6]	0.2 mg/m ³		Skin; 2B; R; (I)
n-Dioctyl phthalate [117-84-0]	5 mg/m ³		
1,4-Dioxane [123-91-1]	20 ppm		Skin; 2B
Dioxathion, Inhalable [78-34-2]	0.1 mg/m ³ (V)		Skin
1,3-Dioxolane [646-06-0]	20 ppm		
Diphenylamine [122-39-4]	10 mg/m ³		2B; S(D)
Dipropyl ketone [123-19-3]	50 ppm		
Dipropylene glycol methyl ether (DPGME) [13429-07-7; 13588-28-8; 20324-32-7; 34590-94-8; 55956-21-3] Revised 2025	50 ppm		
Diquat, Inhalable, as the cation [85-00-7; 2764-72-9; 6385-62-2]	0.5 mg/m ³		Skin
Diquat, Respirable, as the cation [85-00-7; 2764-72-9; 6385-62-2]	0.1 mg/m ³		Skin
Disulfiram [97-77-8]	2 mg/m ³		
Disulfoton, Inhalable [298-04-4]	0.05 mg/m ³ (V)		Skin
Diuron [330-54-1]	10 mg/m ³		
Divinylbenzene [1321-74-0]	10 ppm		
Divinylbenzene-ethyl styrene mixtures, as total divinylbenzene isomers [69011-19-4; 7525-62-4; 108-57-6; 105-06-6]			S(D); (I)
Dodecyl mercaptan [112-55-0] Revised 2004	0.1 ppm		S(D)
Dyfonate, Inhalable (Fonofos) [944-22-9] Revised 2006	0.1 mg/m ³ (V)		Skin
Endosulfan [115-29-7] Revised 2009; 2010	0.1 mg/m ³		Skin
Endotoxins, Inhalable [67924-63-4]			(I)
Endrin [72-20-8]	0.1 mg/m ³		Skin
Enflurane [13838-16-9]	2 ppm		R
Epichlorohydrin [106-89-8]	0.1 ppm		2A; A2; S(D); Skin
EPN, Inhalable [2104-64-5] Revised 2003	0.1 mg/m ³		Skin
EPN, Inhalable fraction and vapour [2104-64-5]			Skin, (I)
1,2-Epoxybutane [106-88-7]			2B
Ethane [74-84-0] Revised 2018		simple asphyxiant	EX
Ethanol [64-17-5] Revised 2009		1000 ppm	
Ethanolamine [141-43-5]	3 ppm	6 ppm	
Ethion, Inhalable [563-12-2] Revised 2003	0.05 mg/m ³ (V)		Skin
2-Ethoxyethanol (EGEE) [110-80-5]	5 ppm		Skin; R
2-Ethoxyethyl acetate (EGEEA) [111-15-9]	5 ppm		Skin; R
Ethyl acetate [141-78-6]	150 ppm		
Ethyl acrylate [140-88-5]	5 ppm	15 ppm	2B; S(D)
Ethylamine [75-04-7]	5 ppm	15 ppm	Skin
Ethyl amyl ketone [541-85-5] Revised 2007	10 ppm		
Ethylbenzene [100-41-4] Revised 2011	20 ppm		2B
Ethyl bromide [74-96-4]	5 ppm		Skin
Ethyl tert-butyl ether (ETBE) [637-92-3] Revised 2018	25 ppm		
Ethyl butyl ketone [106-35-4]	50 ppm	75 ppm	
Ethyl chloride [75-00-3]	100 ppm		Skin
Ethyl methacrylate [97-63-2]	50 ppm		
Ethylene [74-85-1] Revised 2005	200 ppm		
Ethylene chlorohydrin [107-07-3]		C 1 ppm	Skin
Ethylenediamine [107-15-3]	10 ppm		Skin
Ethylene dibromide [106-93-4]	0.5 ppm		Skin; 2A

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Updated 2025/08/20

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Ethylene dichloride (1,2-dichloroethane) [107-06-2]	1 ppm	2 ppm	2B
Ethylene glycol, Inhalable, aerosol only [107-21-1]			(I)
Ethylene glycol, Total , aerosol only [107-21-1]	10 mg/m ³	20 mg/m ³ , C 100 mg/m ³	
Ethylene glycol - Vapour [107-21-1]		C 50 ppm	
Ethylene glycol dimethyl ether [110-71-4]			Skin; R; (I)
Ethylene glycol dinitrate (EGDN) [628-96-6]	0.05 ppm		Skin
Ethylene oxide [75-21-8]	0.1 ppm	1 ppm	A2, 1
Ethyleneimine [151-56-4] Revised 2009; 2010	0.5 ppm		Skin; 2B
Ethyl ether [60-29-7]	400 ppm	500 ppm	
Ethyl formate [109-94-4] Revised 2015		100 ppm	
2-Ethylhexanoic acid, Inhalable [149-57-5]	5 mg/m ³ (V)		R
2-Ethyl-1-hexanol [104-76-7]			(I)
Ethylidene norbornene [16219-75-3]		C 5 ppm	
Ethyl isocyanate [109-90-0]	0.02 ppm	0.06 ppm	Skin; S(D); (I)
Ethyl mercaptan [75-08-1]	0.5 ppm		
N-Ethylmorpholine [100-74-3]	5 ppm		Skin
Ethyl silicate [78-10-4]	10 ppm		
Fenamiphos, Inhalable [22224-92-6] Revised 2006	0.05 mg/m ³ (V)		Skin
Fenoxycarb, Inhalable [72490-01-8]			(I)
Fensulfothion, Inhalable [115-90-2] Revised 2005	0.01 mg/m ³ (V)		Skin
Fentanyl [437-38-7] and Fentanyl Citrate [990-73-8], as Fentanyl, Inhalable Revised 2025	0.0001 mg/m ³		Skin
Fenthion, Inhalable [55-38-9] Revised 2006	0.05 mg/m ³ (V)		Skin
Ferbam, Inhalable [14484-64-1] Revised 2009	5 mg/m ³		
Ferrovandium dust [12604-58-9]	1 mg/m ³	3 mg/m ³	
Flour dust, Inhalable	0.5 mg/m ³		S(R)
Fludioxonil [131341-86-1]			(I)
Fluorides, as F	2.5 mg/m ³		
Fluorine [7782-41-4]	0.1 ppm		
Fluorine, as F [7782-41-4]			(I)
Fluroxene [406-90-6]	2 ppm		
Folpet [133-07-3]			S(D); (I)
Fonofos (see Dyfonate) [944-22-9]			
Formaldehyde [50-00-0] Revised 2020	0.1 ppm	0.3 ppm	A1, 1; S(D); S(R)
Formamide [75-12-7]	10 ppm		R; Skin
Formic acid [64-18-6]	5 ppm	10 ppm	
Furan [110-00-9]			2B
Furfural [98-01-1] Revised 2020	0.2 ppm		Skin
Furfuryl alcohol [98-00-0]	5 ppm	10 ppm	2B; Skin
Gallium arsenide, Respirable [1303-00-0] Revised 2005	0.0003 mg/m ³		1
Gasoline [86290-81-5]	300 ppm	500 ppm	2B
Germanium tetrahydride [7782-65-2]	0.2 ppm		
Glutaraldehyde, Activated & unactivated [111-30-8]		C 0.05 ppm	S(D); S(R)
Glycerin - mist, Total [56-81-5]	10 mg/m ³		
Glycerin - mist, Respirable [56-81-5]	3 mg/m ³		
Glycidol [556-52-5]	2 ppm		2A
Glycidyl methacrylate [106-91-2]			A2; 2A; S(D); Skin; (I)
Glyoxal, Inhalable [107-22-2]	0.1 mg/m ³ (V)		S(D)
Glyphosate [1071-83-6]			2A; (I)
Grain dust (oat, wheat, barley)	4 mg/m ³		

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Updated 2025/08/20

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Graphite - All forms except graphite fibres, Respirable [7782-42-5]	2 mg/m ³		
Gypsum [13397-24-5]	10 mg/m ³ (N)	20 mg/m ³	
Hafnium and compounds, as Hf [7440-58-6]	0.5 mg/m ³		
Halothane [151-67-7]	2 ppm		R
Hard metals, containing Cobalt and Tungsten Carbide, as Co, Thoracic [7440-48-4; 12070-12-1]	0.005 mg/m ³		A2; 2A; S(R); (I)
Helium [7440-59-7]		Simple asphyxiant	
Heptachlor [76-44-8]	0.05 mg/m ³		Skin; 2B
Heptachlor epoxide [1024-57-3]	0.05 mg/m ³		Skin
Heptane, Isomers [108-08-7; 142-82-5; 565-59-3; 589-34-4; 590-35-2; 591-76-4]	400 ppm	500 ppm	
Heptane, straight and branched isomers [562-49-2; 31394-54-4; 617-78-7; 464-06-2]			(I)
Hexachlorobenzene (HCB) [118-74-1]	0.002 mg/m ³		Skin; 2B
Hexachlorobutadiene [87-68-3]	0.02 ppm		Skin
Hexachlorocyclopentadiene [77-47-4]	0.01 ppm		
Hexachloroethane [67-72-1]	1 ppm		Skin; 2B
Hexachloronaphthalene [1335-87-1]	0.2 mg/m ³		Skin
2,4-Hexadienal [142-83-6]			2B
Hexafluoroacetone [684-16-2]	0.1 ppm		Skin; R
Hexafluoropropylene [116-15-4] Revised 2007	0.1 ppm		
Hexahydrophthalic anhydride, all isomers, Inhalable		C 0.005 mg/m ³	S(R)
Hexamethylene diisocyanate (HDI) [822-06-0]	0.005 ppm	C 0.01 ppm	S(R)
Hexamethylenetetramine, Inhalable fraction and vapour [100-97-0]			S(D); (I)
Hexamethyl phosphoramidate [680-31-9]			Skin; 2B
n-Hexane [110-54-3]	20 ppm		Skin
Hexane (Commercial, <54% n-Hexane) and the branched hexane isomers Adopted 2025:			
Hexane (Commercial, <54% n-Hexane) [various, including 64742-49-0; 64742-89-8]	100 ppm		Skin
Branched Hexane isomers [75-83-2; 79-29-8; 96-14-0; 107-83-5]	200 ppm		
1,6-Hexanediamine [124-09-4]	0.5 ppm		
Hexazinone [51235-04-2]			(I)
1-Hexene [592-41-6]	50 ppm		
sec-Hexyl acetate [108-84-9] Revised 2025	20 ppm	50 ppm	
Hexylene glycol [107-41-5]		C 25 ppm	
Hexylene glycol, Inhalable, aerosol only [107-41-5]			(I)
Hexylene glycol, vapour [107-41-5]			(I)
Hydrazine [302-01-2]	0.01 ppm		Skin; 2A
Hydrogen [1333-74-0]		Simple asphyxiant	EX
Hydrogenated terphenyls - Nonirradiated [61788-32-7]	0.5 ppm		
Hydrogen bromide [10035-10-6] Revised 2004		C 2 ppm	
Hydrogen chloride [7647-01-0] Revised 2003		C 2 ppm	
Hydrogen cyanide, as CN [74-90-8]		C 4.7 ppm	Skin
Cyanide salts, as CN [143-33-9; 151-50-8; 592-01-8]		C 5 mg/m ³	Skin
Hydrogen fluoride, as F [7664-39-3]		C 2 ppm	Skin
Hydrogen peroxide [7722-84-1]	1 ppm		
Hydrogen selenide [7783-07-5]	0.05 ppm		
Hydrogen sulfide [7783-06-4]		C 10 ppm	
Hydroquinone [123-31-9] Revised 2008	1 mg/m ³		S(D)
2-Hydroxypropyl acrylate [999-61-1]	0.5 ppm		Skin; S(D)

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Updated 2025/08/20

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Imidacloprid, Inhalable [138261-41-3]			R; (I)
Imazosulfuron [122548-33-8], Inhalable			(I)
Indene [95-13-6] Revised 2008; 2010	10 ppm		
Indium and compounds, as In [7440-74-6]	0.1 mg/m ³		2A; 2B; (I)
Indium tin oxide, as In [50926-11-9], Respirable			2B, S(D); (I)
Iodine and iodides:			
Iodides			R; Skin; (I)
Iodides, as I [various], Inhalable			R; Skin; (I)
Iodine [7553-56-2] Revised 2008; 2010		C 0.1 ppm	R; Skin
Iodine, as I [7553-56-2], Inhalable fraction and vapour			R; Skin; (I)
Iodoform, as elemental Iodine [75-47-8]	0.6 ppm		Skin; R
Iodoform, as elemental Iodine [75-47-8], Inhalable fraction and vapour			Skin; R; (I)
Iron oxide dust, as Fe [1309-37-1]	5 mg/m ³		
Iron oxide fume, as Fe [1309-37-1]	5 mg/m ³	10 mg/m ³	
Iron pentacarbonyl [13463-40-6]	0.01 ppm		
Iron salts - soluble, as Fe	1 mg/m ³	2 mg/m ³	
Isoamyl alcohol [123-51-3]	100 ppm	125 ppm	
Isobutanol [78-83-1]	50 ppm		
Isobutyl nitrite, Inhalable [542-56-3]		C 1 ppm (V)	2B
Isobutyl nitrite, Total [542-56-3]			2B, (I)
Isoflurane [26675-46-7]			R; (I)
Isooctyl alcohol [26952-21-6]	50 ppm		Skin
Isophorone [78-59-1]		C 5 ppm	2B
Isophorone diisocyanate [4098-71-9]	0.005 ppm	C 0.01 ppm	S(R)
Isoprene [78-79-5]			2B
Isopropanol (Isopropyl alcohol, 2-Propanol) [67-63-0] Revised 2003	200 ppm	400 ppm	
2-Isopropoxyethanol [109-59-1]	25 ppm		Skin
Isopropylamine [75-31-0] Revised 2025	2 ppm	5 ppm	Skin
N-Isopropylaniline [768-52-5]	2 ppm		Skin
Isopropyl ether [108-20-3] Revised 2025	20 ppm		R
Isopropyl glycidyl ether (IGE) [4016-14-2]		C 50 ppm	
Kaolin, Respirable [1332-58-7]	2 mg/m ³ (E)		
Kerosene [8008-20-6; 64742-81-0]/Jet fuels, as total hydrocarbon vapour, Revised 2003	200 mg/m ³ (P)		Skin
Ketene [463-51-4]	0.5 ppm	1.5 ppm	
Lead - elemental and inorganic compounds, as Pb [7439-92-1]	0.05 mg/m ³		Elemental 2B; R Other inorganic 2A; R
Lead chromate, as Cr(VI), Total [7758-97-6] (See Hexavalent chromium compounds, as Cr(VI), Total)			A1, 1; S(D); S(R); R; (I)
Lead chromate, as Cr(VI), Inhalable [7758-97-6]			A1, 1; S(D); S(R); R; (I)
Lindane [58-89-9]	0.5 mg/m ³		1; Skin
Liquified petroleum gas (L.P.G.) [68476-85-7] Revised 2020		Simple asphyxiant	EX
Lithium hydroxide [1310-65-2]		C 1 mg/m ³	
Lithium hydride [7580-67-8]	0.025 mg/m ³		
Magnesite [546-93-0] Revised 2006 (See Particles Not Otherwise Classified (PNOC))			
Magnesium oxide (fume), Inhalable [1309-48-4] Revised 2003	10 mg/m ³		
Magnesium oxide, Respirable dust and fume, as Mg [1309-48-4]	3 mg/m ³	10 mg/m ³	
Malathion, Inhalable [121-75-5] Revised 2003	1 mg/m ³ (V)		2A; Skin

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Maleic anhydride [108-31-6]	0.1 ppm		S(D); S(R)
Manganese - Elemental & inorganic compounds, as Mn, Respirable [7439-96-5] Revised 2018	0.02 mg/m ³		R
Manganese - Elemental & inorganic compounds, as Mn, Inhalable [7439-96-5] Adopted 2024	0.1 mg/m ³		R
Manganese cyclopentadienyl tricarbonyl, as Mn [12079-65-1]	0.1 mg/m ³		Skin
Melamine [108-78-1]			2B
Mercury - Alkyl compounds, as Hg [7439-97-6]	0.01 mg/m ³	0.03 mg/m ³	Skin; R
Mercury - Aryl compounds, as Hg [7439-97-6]	0.05 mg/m ³	C 0.1 mg/m ³	Skin; R
Mercury - Elemental, as Hg [7439-97-6]	0.025 mg/m ³		Skin; R
Mercury - Inorganic compounds, as Hg [7439-97-6]	0.025 mg/m ³		Skin; R
Mercury – Methyl, as Hg [7439-97-6]	0.01 mg/m ³	0.03 mg/m ³	Skin; 2B, R
Mesityl oxide [141-79-7]	10 ppm	25 ppm	
Methacrylic acid [79-41-4]	20 ppm		
Methane [74-82-8] Revised 2018		Simple asphyxiant	EX
Methanol [67-56-1]	200 ppm	250 ppm	Skin
Methomyl [16752-77-5]	2.5 mg/m ³		Skin; R
Methoxychlor [72-43-5]	10 mg/m ³		
2-Methoxyethanol (EGME) [109-86-4] Revised 2006	0.1 ppm		Skin; R
2-Methoxyethyl acetate (EGMEA) [110-49-6] Revised 2006	0.1 ppm		Skin; R
Methoxyflurane [76-38-0]	2 ppm		
4-Methoxyphenol [150-76-5]	5 mg/m ³		
1-Methoxy-2-propanol (PGME) [107-98-2] Revised 2018	50 ppm	100 ppm	
2-Methoxy-1-propanol [1589-47-5]	20 ppm	40 ppm	
1-Methoxypropyl-2-acetate [108-65-6]	50 ppm	75 ppm	
2-Methoxypropyl-1-acetate [70657-70-4]	20 ppm	40 ppm	
bis-(2-Methoxypropyl) ether (DPGME) (see Dipropylene glycol methyl ether) [34590-94-8]			
Methyl acetate [79-20-9]	200 ppm	250 ppm	
Methyl acetylene [74-99-7]	1000 ppm		EX
Methyl acetylene-propadiene mixture (MAPP) [59355-75-8]	1000 ppm	1250 ppm	EX
Methyl acrylate [96-33-3]	2 ppm		2B; Skin; S(D)
Methylacrylonitrile [126-98-7]	1 ppm		Skin
Methylal (see Dimethoxymethane) [109-87-5]			
Methylamine [74-89-5]	5 ppm	15 ppm	
Methyl n-amyl ketone [110-43-0]	50 ppm		
N-Methylaniline [100-61-8]	0.5 ppm		Skin
Methylarsonic acid [124-58-3]			2B
Methyl bromide [74-83-9]	1 ppm		Skin
2-Methyl-2-butene [513-35-9]			(I)
Methyl tert-butyl ether (MTBE) [1634-04-4]	50 ppm		
Methyl n-butyl ketone [591-78-6] Revised 2008	5 ppm	10 ppm	Skin; R
Methyl chloride [74-87-3]	50 ppm	100 ppm	Skin; R
Methyl chloroform [71-55-6]	350 ppm	450 ppm	2A
Methylcyclohexane [108-87-2] Revised 2025	100 ppm		
Methylcyclohexanol [25639-42-3]	50 ppm		
o-Methylcyclohexanone [583-60-8]	50 ppm	75 ppm	
Methylcyclohexanone, all isomers [591-24-2; 589-92-4; 1331-22-2]			(I)
2-Methylcyclopentadienyl manganese tricarbonyl, as Mn [12108-13-3]	0.2 mg/m ³		Skin
Methyl demeton, Inhalable [8022-00-2] Revised 2007	0.05 mg/m ³ (V)		Skin
Methylene bisphenyl isocyanate (MDI) [101-68-8]	0.005 ppm	C 0.01 ppm	S(R)

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
4,4'-Methylene bis(2-chloroaniline) (MBOCA; MOCA) [101-14-4] Revised 2009	0.01 ppm		Skin; A2, 1
Methylene bis (4-cyclohexylisocyanate) [5124-30-1]	0.005 ppm	C 0.01 ppm	S(R)
Methylene chloride (See Dichloromethane)			
4,4'-Methylene dianiline [101-77-9]	0.01 ppm		Skin; 2B
Methyl ethyl ketone (MEK) [78-93-3]	50 ppm	100 ppm	R; Skin
Methyl ethyl ketone peroxide (MEKP) [1338-23-4]		C 0.2 ppm	
Methyleugenol [93-15-2]			2A
Methyl formate [107-31-3] Revised 2018	50 ppm	100 ppm	Skin
Methylhydrazine [60-34-4]	0.01 ppm		Skin
4-Methylimidazole [693-98-1]			2B
Methyl iodide [74-88-4]	2 ppm		Skin
Methyl isoamyl ketone [110-12-3] Revised 2018	20 ppm	50 ppm	
Methyl isobutyl carbinol [108-11-2] Revised 2023	20 ppm	40 ppm	
Methyl isobutyl ketone [108-10-1] Revised 2011	20 ppm	75 ppm	2B
Methyl isocyanate [624-83-9] Revised 2018	0.02 ppm	0.06 ppm	Skin; S(D)
Methyl isopropyl ketone [563-80-4] Revised 2011	20 ppm		R
Methyl mercaptan [74-93-1]	0.5 ppm		
Methyl methacrylate [80-62-6]	50 ppm	100 ppm	S(D)
1-Methylnaphthalene [90-12-0] Revised 2007	0.5 ppm		Skin
2-Methylnaphthalene [91-57-6] Revised 2007	0.5 ppm		Skin
Methylnaphthalene, all isomers [90-12-0, 91-57-6, 1321-94-4]			Skin; (I)
Methyl parathion [298-00-0] Revised 2009; 2010	0.2 mg/m ³		Skin
Methyl propyl ketone (2-pentanone) [107-87-9]	150 ppm	250 ppm	
Methyl silicate [681-84-5]	1 ppm		
alpha-Methylstyrene [98-83-9] Revised 2015	10 ppm		R; 2B
Methyltetrahydrophthalic anhydride isomers [3425-89-6; 5333-84-6; 11070-44-3;			Skin; S(D); S(R); (I)
Methyl vinyl ketone [78-94-4]		C 0.2 ppm	
Metribuzin [21087-64-9]	5 mg/m ³		
Metribuzin, Inhalable [21087-64-9]			(I)
Mevinphos, Inhalable [7786-34-7] Revised 2003	0.01 mg/m ³ (V)		Skin
Mica, <1% silica, Respirable [12001-26-2] Revised 2025	0.1 mg/m ³		(I)
Molybdenum - Metal and insoluble compounds, as Mo, Respirable	3 mg/m ³		
Molybdenum - Metal and insoluble compounds, as Mo, Inhalable [7439-98-7]	10 mg/m ³		
Molybdenum - Soluble compounds, as Mo, Respirable [7439-98-7]	0.5 mg/m ³		
Molybdenum trioxide [1313-27-5]			2B
Monochloroacetic acid [79-11-8] See Chloroacetic acid			
3-Monochloro-1,2-propanediol [96-24-2]			2B
Monocrotophos, Inhalable [6923-22-4]	0.05 mg/m ³ (V)		Skin
Monomethylformamide [123-39-7]			R; Skin; (I)
Morpholine [110-91-8]	20 ppm		Skin
beta-Myrcene [123-35-3]			2B
Naled, Inhalable [300-76-5]	0.1 mg/m ³ (V)		Skin; S(D)
Naphthalene [91-20-3] Revised 2018	10 ppm		Skin; 2B
1,5-Naphthalene diisocyanate [3173-72-6]	0.005 ppm	C 0.01 ppm	
beta-Naphthylamine (2-Naphthylamine) [91-59-8]	(L)		A1, 1
Natural gas [8006-14-2] Revised 2018		Simple asphyxiant	EX
Natural rubber latex, as total proteins, Inhalable [9006-04-6] Revised 2004; 2008; 2010	0.001 mg/m ³		Skin; S(D); S(R)
Neon [7440-01-9]		Simple asphyxiant	

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

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Nickel - Insoluble inorganic compounds, as Ni [7440-02-0]	0.05 mg/m ³		A1, 1; (I)
Nickel - Elemental, Soluble inorganic compounds, as Ni [7440-02-0]	0.05 mg/m ³		1, 2B; (I)
Nickel carbonyl, as Ni [13463-39-3] Revised 2018	0.001 ppm	C 0.05 ppm	1; (I)
Nickel subsulfide, as Ni, Inhalable [12035-72-2]	0.1 mg/m ³		A1, 1
Nicotine [54-11-5]	0.5 mg/m ³		Skin
Nicotine, Inhalable fraction and vapour [54-11-5]			Skin; (I)
Nitrapyrin, Total [1929-82-4]	10 mg/m ³ (N)	20 mg/m ³	
Nitrapyrin, Inhalable fraction and vapour [1929-82-4]			(I)
Nitric acid [7697-37-2]	2 ppm	4 ppm	
Nitric oxide [10102-43-9]	25 ppm		
p-Nitroaniline [100-01-6]	3 mg/m ³		Skin
2-Nitroanisole [91-23-6]			2A
3-Nitrobenzanthrone [17117-34-9]			2B
Nitrobenzene [98-95-3]	1 ppm		Skin; 2B
p-Nitrochlorobenzene [100-00-5]	0.1 ppm		2B; Skin
4-Nitrodiphenyl [92-93-3]	(L)		Skin; A2
Nitroethane [79-24-3]	100 ppm		
2-Nitrofluorene [607-57-8]			2B
Nitrogen [7727-37-9]		Simple asphyxiant	
Nitrogen dioxide [10102-44-0]		C 1 ppm	
Nitrogen trifluoride [7783-54-2]	10 ppm		
Nitroglycerin (NG) [55-63-0]	0.05 ppm		Skin
Nitromethane [75-52-5]	20 ppm		2B
1-Nitropropane [108-03-2]	25 ppm		
2-Nitropropane [79-46-9]	5 ppm		2B
Nitropyrene, mono, di, tri, tetra, isomers [42397-64-8; 42397-65-9; 5522-43-0; 57835-92-4; 75321-20-9]			2A; 2B; (I)
n-Nitrosodiethanolamine [1116-54-7]			2B
n-Nitrosodiethylamine [55-18-5]			2A
n-Nitrosodimethylamine [62-75-9]	(L)		Skin; 2A
n-Nitrosomethylethylamine [10595-95-6]			2B
n-Nitrosomethylvinylamine [4549-40-0]			2B
n-Nitrosomorpholine [59-89-2]			2B
n-Nitrosopiperidine [100-75-4]			2B
n-Nitrosopyrrolidine [930-55-2]			2B
Nitrotoluene, all isomers [88-72-2; 99-08-1; 99-99-0]	2 ppm		Skin; 2A; (I)
5-Nitro-o-toluidine, Inhalable [99-55-8] Revised 2007	1 mg/m ³		
5-Nitro-o-toluidine, Inhalable fraction and vapour [99-55-8]			(I)
Nitrous oxide [10024-97-2]	25 ppm		R
Nonane [111-84-2] Revised 2015	200 ppm		
Octachloronaphthalene [2234-13-1]	0.1 mg/m ³	0.3 mg/m ³	Skin
Octane, all isomers [111-65-9]	300 ppm		
Oil mist - mineral, mildly refined	0.2 mg/m ³		1
Oil mist - mineral, severely refined	1 mg/m ³		
Osmium tetroxide, as Os [20816-12-0]	0.0002 ppm	0.0006 ppm	
Oxalic acid, anhydrous [144-62-7] and dihydrate [6153-56-6] Revised 2018	1 mg/m ³	2 mg/m ³	
p,p'-Oxybis(benzenesulfonyl hydrazide), Inhalable [80-51-3] Revised 2008	0.1 mg/m ³		R
Oxygen difluoride [7783-41-7]		C 0.05 ppm	
Ozone - Heavy work [10028-15-6]	0.05 ppm		
Ozone - Moderate work [10028-15-6]	0.08 ppm		
Ozone - Light work [10028-15-6]	0.1 ppm		

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Ozone - Light, mod., or heavy workload =< 2 hrs [10028-15-6]	0.2 ppm		
Paraffin wax fume [8002-74-2]	2 mg/m ³		
Paraquat, as the cation, Respirable [4685-14-7]	0.1 mg/m ³		Skin
Paraquat, as the cation, Total [4685-14-7]	0.5 mg/m ³		Skin
Paraquat, as the cation, Inhalable [4685-14-7]			Skin; (I)
Parathion, Inhalable [56-38-2] Revised 2003	0.05 mg/m ³ (V)		2B; Skin
Particles (Insoluble or Poorly Soluble) Not Otherwise Classified (PNOC)	10 mg/m ³ (N)		
Pentaborane [19624-22-7]	0.005 ppm	0.015 ppm	Skin
Pentachloronaphthalene [1321-64-8]	0.5 mg/m ³		Skin
Pentachloronaphthalene, Inhalable fraction and vapour [1321-64-8]			Skin, (I)
Pentachloronitrobenzene [82-68-8]	0.5 mg/m ³		
Pentachlorophenol [87-86-5]	0.5 mg/m ³		1; Skin
Pentaerythritol [115-77-5]	10 mg/m ³ (N)		
Pentane, all isomers [78-78-4; 109-66-0; 463-82-1] Revised 2018	1000 ppm		
2,4-Pentanedione [123-54-6]			Skin; (I)
Pentyl acetate, all isomers [123-92-2; 620-11-1; 624-41-9; 625-16-1; 626-38-0; 628-63-7]	50 ppm	100 ppm	
Peracetic acid [79-21-0]			(I)
Perchloroethylene (See Tetrachloroethylene)			
Perchloromethyl mercaptan [594-42-3]	0.1 ppm		
Perchloryl fluoride [7616-94-6]	3 ppm	6 ppm	
Perfluorobutyl ethylene [19430-93-4] Revised 2004	100 ppm		
Perfluoroisobutylene [382-21-8]		C 0.01 ppm	
Perlite [93763-70-3] Revised 2006 (See Particles Not Otherwise Classified (PNOC))			
Persulfates, as persulfate [7727-21-1; 7727-54-0; 7775-27-1]	0.1 mg/m ³		
Phenol [108-95-2]	5 ppm		Skin
Phenolphthalein [77-09-8]			2B
Phenothiazine [92-84-2]	5 mg/m ³		Skin; S(D)
Phenothiazine [92-84-2], Inhalable			(I)
N-Phenyl-beta-naphthylamine [135-88-6]	(L)		
m-Phenylenediamine [108-45-2]	0.1 mg/m ³		
o-Phenylenediamine [95-54-5]	0.1 mg/m ³		2B
p-Phenylenediamine [106-50-3]	0.1 mg/m ³		S(D)
Phenyl ether - Vapour (Diphenyl ether) [101-84-8]	1 ppm	2 ppm	
Phenylethyl alcohol [60-12-8]			R; Skin; (I)
Phenyl glycidyl ether (PGE) [122-60-1] Revised 2008	0.1 ppm		2B; Skin; S(D); R
Phenylhydrazine [100-63-0]	0.1 ppm		Skin
Phenyl isocyanate [103-71-9]	0.005 ppm	0.015 ppm	Skin; S(D); S(R)
Phenyl mercaptan [108-98-5]		C 0.1 ppm	Skin
Phenylphosphine [638-21-1]		C 0.05 ppm	R
Phorate, Inhalable [298-02-2] Revised 2005	0.05 mg/m ³ (V)		Skin
Phosgene [75-44-5]	0.1 ppm		
Phosphine [7803-51-2]	0.3 ppm	1 ppm	
Phosphoric acid [7664-38-2]	1 mg/m ³	3 mg/m ³	
Phosphorus (yellow) [12185-10-3]	0.1 mg/m ³		
Phosphorus oxychloride [10025-87-3]	0.1 ppm		
Phosphorus pentachloride [10026-13-8]	0.1 ppm		
Phosphorus pentasulfide [1314-80-3]	1 mg/m ³	3 mg/m ³	
Phosphorus trichloride [7719-12-2]	0.2 ppm	0.5 ppm	
o-Phthalaldehyde [643-79-8]			Skin; S(D); S(R); (I)
Phthalic anhydride [85-44-9]	1 ppm		S(D); S(R); Skin

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

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Phthalic anhydride, Inhalable fraction and vapour [85-44-9]			S(D); S(R); Skin (I)
m-Phthalodinitrile, Inhalable [626-17-5] Revised 2009	5 mg/m ³ (V)		
o-Phthalodinitrile [91-15-6]			(I)
Picloram [1918-02-1]	10 mg/m ³ (N)		
Picric acid [88-89-1]	0.1 mg/m ³		S(D)
Pindone [83-26-1]	0.1 mg/m ³		
Piperazine and its Salts, as Piperazine [110-85-0]	0.3 mg/m ³	1 mg/m ³	S(D); S(R)
Piperidine [110-89-4]	1 ppm		
Plaster of Paris [26499-65-0]	10 mg/m ³ (N)	20 mg/m ³	
Platinum - Metal [7440-06-4]	1 mg/m ³		
Platinum - Soluble salts (as Pt) [7440-06-4]	0.002 mg/m ³		
Polyvinyl chloride (PVC), Respirable [9002-86-2] Revised 2008	1 mg/m ³		
Portland cement, Respirable [65997-15-1] Revised 2015	1 mg/m ³ (E)		
Potassium bromate [7758-01-2]			2B
Potassium hydroxide [1310-58-3]		C 2 mg/m ³	
Prometon [1610-18-0], Inhalable			(I)
Prometryn [7287-19-6], Inhalable			R; (I)
Propane [74-98-6] Revised 2018		Simple asphyxiant	EX
Propane sultone [1120-71-4]	(L)		2A
n-Propanol (n-Propyl alcohol) [71-23-8] Revised 2007	100 ppm		
2-Propanol [67-63-0] (see Isopropanol)			
Propargyl alcohol [107-19-7]	1 ppm		Skin
beta-Propiolactone [57-57-8]	0.5 ppm		2B
Propionaldehyde [123-38-6]	20 ppm		
Propionic acid [79-09-4]	10 ppm		
Propionitrile [107-12-0]			R; Skin; (I)
Propoxur [114-26-1]	0.5 mg/m ³		
Propyl acetate isomers [108-21-4; 109-60-4]	100 ppm	150 ppm	
Propylene [115-07-1] Revised 2006	500 ppm		
Propylene dichloride (1,2-Dichloropropane) [78-87-5] Revised 2006	75 ppm	110 ppm	1; S(D)
Propylene glycol dinitrate [6423-43-4]	0.05 ppm		Skin
Propylene glycol ethyl ether [1569-02-4]			Skin; (I)
Propylene oxide [75-56-9]	2 ppm		2B; S(D)
Propyleneimine (2-Methylaziridine) [75-55-8] Revised 2009; 2010	2 ppm		2B; Skin
n-Propyl nitrate [627-13-4]	25 ppm	40 ppm	
Pyrethrum [8003-34-7]	5 mg/m ³		
Pyridine [110-86-1] Revised 2004	1 ppm		2B
Resin acids, as total resin acids [8050-09-7], Inhalable Adopted 2024	0.001 mg/m ³		S(D); S(R)
Resorcinol [108-46-3]	10 ppm	20 ppm	
Rhodium, Metal and insoluble compounds as Rh [7440-16-6]	0.1 mg/m ³	0.3 mg/m ³	
Rhodium - Soluble compounds, as Rh [7440-16-6]	0.001 mg/m ³	0.003 mg/m ³	
Ronnel, Inhalable [299-84-3] Revised 2006	5 mg/m ³ (V)		
Rotenone (commercial) [83-79-4]	5 mg/m ³		
Rouge [1309-37-1]	10 mg/m ³ (E,N)		
Rubber solvent (Naphtha) [8030-30-6] Revised 2009	(H)		
Safrole [94-59-7]			2B
Selenium and compounds, as Se [7782-49-2]	0.1 mg/m ³		
Selenium hexafluoride, as Se [7783-79-1]	0.05 ppm		
Sesone [136-78-7]	10 mg/m ³ (N)		
Sevoflurane [28523-86-6]			(I)

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Updated 2025/08/20

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Silica, Amorphous - Diatomaceous earth (uncalcined), Total [61790-53-2]	4 mg/m ³		
Silica, Amorphous - Diatomaceous earth (uncalcined), Respirable [61790-53-2]	1.5 mg/m ³		
Silica, Amorphous - Fume, Total [69012-64-2]	4 mg/m ³		
Silica, Amorphous - Fume, Respirable [69012-64-2]	1.5 mg/m ³		
Silica, Amorphous - Precipitated and gel, Total [112926-00-8]	4 mg/m ³		
Silica, Amorphous - Precipitated and gel, Respirable [112926-00-8]	1.5 mg/m ³		
Silica, Crystalline - alpha quartz [14808-60-7; 1317-95-9] and Cristobalite, Respirable [14464-46-1] Revised 2006	0.025 mg/m ³		A2, 1
Silicon [7440-21-3] Revised 2006 (See Particles Not Otherwise Classified (PNOC))			
Silicon carbide Nonfibrous, Inhalable, [409-21-2] Revised 2003	10 mg/m ³ (E)		
Silicon carbide, Nonfibrous, Respirable, [409-21-2] Revised 2003	3 mg/m ³ (E)		
Silicon carbide, Fibrous (including whiskers) [409-21-2] Revised 2003	0.1 f/cc (F)		A2; 2A
Silicon carbide, Nonfibrous particles (containing <0.1% crystalline silica), Inhalable [409-21-2]			(I)
Silicon carbide, Nonfibrous particles (containing <0.1% crystalline silica), Respirable [409-21-2]			(I)
Silicon tetrahydride (Silane) [7803-62-5]	0.5 ppm	1 ppm	
Silver and Compounds, as Ag [7440-22-4]	0.01 mg/m ³	0.03 mg/m ³	
Simazine [122-34-9]			(I)
Soapstone (see Talc) Revised 2011			
Sodium azide (as Sodium azide) [26628-22-8]		C 0.29 mg/m ³	
Sodium azide (as Hydrazoic acid vapour) [26628-22-8]		C 0.11 ppm	
Sodium bisulfite [7631-90-5]	5 mg/m ³		
Sodium fluoroacetate [62-74-8]	0.05 mg/m ³		Skin
Sodium hydroxide [1310-73-2]		C 2 mg/m ³	
Sodium metabisulfite [7681-57-4]	5 mg/m ³		
Starch [9005-25-8]	10 mg/m ³ (N)		
Stearates, Inhalable [57-11-4; 557-04-0; 557-05-1; 822-16-2]	10 mg/m ³ (J)		
Stearates, Respirable [57-11-4; 557-04-0; 557-05-1; 822-16-2]	3 mg/m ³ (J)		
Stoddard solvent (mineral spirits) [8052-41-3]	290 mg/m ³	580 mg/m ³	
Strontium chromate, as Cr, Total [7789-06-2]	0.0005 mg/m ³		A1; S(D); S(R); (I)
Strychnine [57-24-9]	0.15 mg/m ³		
Styrene - monomer [100-42-5] Revised 2025	10 ppm	20 ppm	2A
Styrene oxide [96-09-3]			2A; S(D); Skin; (I)
Subtilisins, as crystalline active pure enzyme [1395-21-7; 9014-01-1]		C 0.00006	S(R)
Sucrose [57-50-1]	10 mg/m ³ (N)		
Sulfometuron methyl [74222-97-2]	5 mg/m ³		
Sulfometuron methyl, Inhalable fraction and vapour [74222-97-2]			(I)
Sulfotepp (TEDP), Inhalable [3689-24-5] Revised 2005	0.1 mg/m ³ (V)		Skin
Sulfoxaflor [946578-00-3]			R, (I)
Sulfur dioxide [7446-09-5]	2 ppm	5 ppm	
Sulfur hexafluoride [2551-62-4]	1000 ppm		
Sulfuric acid, Thoracic [7664-93-9] Revised 2004	0.2 mg/m ³ (M)		A2, 1
Sulfur monochloride [10025-67-9]		C 1 ppm	
Sulfur pentafluoride [5714-22-7]		C 0.01 ppm	
Sulfur tetrafluoride [7783-60-0]		C 0.1 ppm	
Sulfuryl fluoride [2699-79-8]	5 ppm	10 ppm	
Sulprofos [35400-43-2] Revised 2009; 2010	1 mg/m ³		Skin

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Synthetic Vitreous Fibres - Continuous filament glass fibres	1 f/cc (F)		
Synthetic Vitreous Fibres - Continuous filament glass fibres, Inhalable	5 mg/m ³		
Synthetic Vitreous Fibres - Glass wool fibres	1 f/cc (F)		
Synthetic Vitreous Fibres - Rock wool fibres	1 f/cc (F)		
Synthetic Vitreous Fibres - Slag wool fibres	1 f/cc (F)		
Synthetic Vitreous Fibres - Special purpose glass fibres	1 f/cc (F)		2B
Synthetic Vitreous Fibres - Refractory ceramic fibres	0.2 f/cc (F)		A2, 2B
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid) [93-76-5]	10 mg/m ³		
Talc - Containing no asbestos fibres, Respirable [14807-96-6]	2 mg/m ³ (E)		
Talc - Containing asbestos fibres [14807-96-6]	0.1 f/cc (K)		A1, 1
Tantalum - Metal [7440-25-7]	5 mg/m ³		
Tantalum oxide dusts, as Ta [1314-61-0]	5 mg/m ³		
Tellurium and compounds (NOS), as Te, excluding hydrogen telluride [13494-80-9]	0.1 mg/m ³		
Tellurium hexafluoride [7783-80-4]	0.02 ppm		
Temephos, Total [3383-96-8]	10 mg/m ³	20 mg/m ³	Skin
Terbufos, Inhalable [13071-79-9]	0.01 mg/m ³ (V)		Skin
Terephthalic acid [100-21-0]	10 mg/m ³ (N)		
Terphenyls (o-, m-, p-isomers) [26140-60-3]		C 5 mg/m ³	
1,1,2,2-Tetrabromoethane, [79-27-6] Adopted 2024	0.1 ppm		
1,1,1,2-Tetrachloro-2,2-difluoroethane [76-11-9] Revised 2008; 2010	500 ppm		
1,1,2,2-Tetrachloro-1,2-difluoroethane [76-12-0] Revised 2008; 2010	200 ppm		
1,1,1,2-Tetrachloroethane [630-20-6]			2B
1,1,2,2-Tetrachloroethane [79-34-5]	1 ppm		Skin; 2B
Tetrachloroethylene (Perchloroethylene) [127-18-4]	25 ppm	100 ppm	2A
Tetrachloronaphthalene [1335-88-2]	2 mg/m ³		
Tetrachlorovinphos, Inhalable [22248-79-9; 22350-76-1; 961-11-5]			2B; S(D); Skin; (I)
Tetraethyl lead, as Pb [78-00-2]	0.075 mg/m ³		Skin
Tetraethyl pyrophosphate (TEPP), Inhalable [107-49-3] Revised 2007	0.01 mg/m (V)		Skin
Tetrafluoroethylene [116-14-3]	2 ppm		2A
Tetrahydrofuran [109-99-9] Revised 2005	50 ppm	100 ppm	2B; Skin
Tetramethyl lead, as Pb [75-74-1]	0.075 mg/m ³		Skin
Tetramethyl succinonitrile [3333-52-6]	0.5 ppm		Skin
Tetranitromethane [509-14-8]	0.005 ppm		2B
Tetrakis (hydroxymethyl) phosphonium chloride [124-64-1] Revised 2005	2 mg/m ³		S(D)
Tetrakis (hydroxymethyl) phosphonium sulfate [55566-30-8] Revised 2005	2 mg/m ³		S(D)
Tetryl [479-45-8]	1.5 mg/m ³		
Thallium and soluble compounds, as Tl, Inhalable [7440-28-0] Revised 2011	0.02 mg/m ³		Skin
Thiacloprid [111988-49-9]			Skin; (I)
4,4'-Thiobis(6-tert-butyl-m-cresol), Inhalable [96-69-5] Revised 2011	1 mg/m ³		
Thiodicarb [59669-26-0]			S(D); (I)
Thioglycolic acid [68-11-1]	1 ppm		Skin; S(D)
Thioglycolic acid and salts [68-11-1]			Skin; S(D); (I)
Thionyl chloride [7719-09-7]		C 1ppm	
Thiram [137-26-8] Revised 2008; 2010	1 mg/m ³		S(D)
Tin [7440-31-5] and inorganic compounds, Inhalable [18282-10-5; 21651-19-4], excluding Tin hydride and Indium tin oxide, as Sn Revised 2024	2 mg/m ³		
Tin - Organic compounds, as Sn [7440-31-5]	0.1 mg/m ³	0.2 mg/m ³	Skin
Titanium dioxide [13463-67-7] Revised 2006	10 mg/m ³ (N)		2B
Titanium dioxide [13463-67-7]:			

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Nanoscale particles, Respirable			(I)
Finescale particles, Respirable			(I)
Titanium tetrachloride, as HCl [7550-45-0]			(I)
o-Tolidine [119-93-7]			Skin; 2B
Toluene [108-88-3] Revised 2007; 2008	20 ppm		R
Toluene-2,4-diisocyanate (2,4-TDI) [584-84-9]	0.005 ppm	C 0.01 ppm	2B; S(D); S(R); Skin
Toluene-2,6-diisocyanate (2,6-TDI) [91-08-7]	0.005 ppm	C 0.01 ppm	2B; S(D); S(R); Skin
2,4- and 2,6- Toluene diisocyanate as a mixture [584-84-9; 91-08-7]			2B; S(D); S(R); Skin; (I)
m-Toluidine [108-44-1]	2 ppm		Skin
o-Toluidine [95-53-4] Revised 2009	2 ppm		Skin; 1
p-Toluidine [106-49-0]	2 ppm		Skin
Tributyl phosphate [126-73-8]	0.2 ppm		
Trichloroacetic acid [76-03-9] Revised 2018	0.5 ppm		2B
Trichlorfon, Inhalable fraction and vapour [52-68-6] (see also trichlorphon)			S(D); (I)
1,2,4-Trichlorobenzene [120-82-1]		C 5 ppm	
1,1,2-Trichloroethane [79-00-5]	10 ppm		Skin
Trichloroethylene [79-01-6] Revised 2007	10 ppm	25 ppm	A2, 1
Trichlorofluoromethane [75-69-4]		C 1000 ppm	
Trichloronaphthalene [1321-65-9]	5 mg/m ³		Skin
2,4,6-Trichlorophenol [88-06-2]			2B
1,2,3-Trichloropropane [96-18-4]	10 ppm		A2, 2A
1,1,2-Trichloro-1,2,2-trifluoroethane [76-13-1]	500 ppm	1250 ppm	
Trichlorphon, Inhalable [52-68-6] Revised 2003	1 mg/m ³		S(D)
Triclosan [3380-34-5]			Skin; (I)
Triethanolamine [102-71-6]	5 mg/m ³		
Triethylamine [121-44-8] Revised 2018	0.5 ppm	1 ppm	Skin
Triethylene glycol, Inhalable fraction and vapour [112-27-6]			(I)
Triflumizole, Inhalable [68694-11-1]			S(D); (I)
Trifluorobromomethane [75-63-8]	1000 ppm		
1,3,5-Triglycidyl-s-triazinetriene [2451-62-9]	0.05 mg/m ³		R
Trimellitic anhydride [552-30-7] Revised 2008; 2010		C 0.04 mg/m ³	Skin; S(D); S(R)
Trimetacresyl phosphate, Inhalable fraction and vapour [563-04-2]			R; (I)
Trimethylamine [75-50-3]	5 ppm	15 ppm	
Trimethyl benzene, isomers [25551-13-7; 526-73-8; 95-63-6; 108-67-8] Revised 2025	10 ppm		
Trimethyl hexamethylene diisocyanate [28679-16-5]	0.005 ppm	C 0.01 ppm	
Trimethylolpropane, Inhalable fraction and vapour [77-99-6]			R; (I)
Trimethyl phosphite [121-45-9]	2 ppm		
Tri-n-Butyltin compounds [688-73-3]	0.05 mg/m ³		
2,4,6-Trinitrotoluene (TNT), Total [118-96-7]	0.1 mg/m ³		Skin
2,4,6-Trinitrotoluene (TNT), Inhalable fraction and vapour [118-96-7]			Skin, (I)
Triorthocresyl phosphate [78-30-8]	0.1 mg/m ³		Skin
Tripacresyl phosphate, Inhalable fraction and vapour [78-32-0]			R; (I)
Triphenyl phosphate [115-86-6]	3 mg/m ³		
Tris(2,3-dibromopropyl) phosphate [126-72-7]			2A
Tungsten and compounds in the absence of Cobalt, as W [7440-33-7]	3 mg/m ³		
Turpentine [8006-64-2] and selected monoterpenes [80-56-8; 127-91-3; 13466-78-9] Revised 2003	20 ppm		S(D)
Uranium (Natural) - Insoluble compounds, as U [7440-61-1]	0.2 mg/m ³	0.6 mg/m ³	A1, 1; (I)
Uranium (Natural) - Soluble compounds, as U [7440-61-1]	0.05 mg/m ³		A1, 1; (I)
n-Valeraldehyde [110-62-3]	50 ppm		

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	TWA	STEL/Ceiling	Notations
Vanadium pentoxide, as V, Inhalable [1314-62-1] Revised 2015	0.05 mg/m ³		2B
Vegetable oil, Mist, Respirable, except castor, cashew nut, or similar irritating oil [8008-89-7]	3 mg/m ³		
Vinyl acetate [108-05-4]	10 ppm	15 ppm	2B
Vinyl bromide [593-60-2]	0.5 ppm		A2, 2A
Vinyl chloride [75-01-4]	1 ppm		A1, 1
4-Vinyl cyclohexene [100-40-3]	0.1 ppm		2B; R
Vinyl cyclohexene dioxide [106-87-6]	0.1 ppm		Skin; 2B; R
Vinyl fluoride [75-02-5]	1 ppm		A2, 2A
N-Vinyl-2-pyrrolidone [88-12-0] Revised 2003	0.05 ppm		
Vinylidene chloride [75-35-4]	1 ppm		2B
Vinylidene fluoride [75-38-7]	500 ppm		
Vinyl toluene, all isomers [25013-15-4]	25 ppm	75 ppm	
Vinyltoluene, all isomers [25013-15-4; 611-15-4; 100-80-1; 622-97-9]			(I)
VM & P Naphtha [8032-32-4] Revised 2009	(H)		
Warfarin [81-81-2]	0.1 mg/m ³		R; Skin
Wood dust - Allergenic species	1 mg/m ³		S(R); S(D); A1, A2,
Wood dust - Non-Allergenic Hardwood	1 mg/m ³		A1, A2, 1; (I)
Wood dust - Non-Allergenic Softwood	2.5 mg/m ³		1; (I)
Xylene, all isomers [1330-20-7; 95-47-6; 108-38-3; 106-42-3] Revised 2025	20 ppm		
m-Xylene alpha,alpha'-diamine [1477-55-0]		C 0.1 mg/m ³	Skin
Xylidine - Mixed isomers, Inhalable [1300-73-8]	0.5 ppm (V)		Skin
Yttrium - Metal [7440-65-5]	1 mg/m ³		
Yttrium and compounds, as Y [7440-65-5]	1 mg/m ³		
Zinc chloride - Fume [7646-85-7]	1 mg/m ³	2 mg/m ³	
Zinc chromates, as Cr, Total [13530-65-9; 11103-86-9; 37300-23-5]	0.01 mg/m ³		A1, 1; S(D); S(R); (I)
Zinc oxide, Respirable [1314-13-2] Revised 2003	2 mg/m ³	10 mg/m ³	
Zirconium and compounds, as Zr [7440-67-7]	5 mg/m ³	10 mg/m ³	

Endnotes

- (E) - the value is for particulate matter containing no asbestos and less than 1% crystalline silica.
- (F) - the value for fibres longer than 5 microns, with an aspect ratio of equal than/greater than 3:1, as determined by the membrane filter method at 400-450 times magnification (4 mm objective), using phase-contrast illumination.
- (G) - as measured by the vertical elutriator, cotton-dust sampler, see *TLV Documentation*.
- (H) - reciprocal calculation method, see OHS Guideline G5.48-12.
- (I) - see Special Notes in Table 1 below.
- (J) - does not include stearates of toxic metals.
- (K) - should not exceed 2 mg/m³ respirable particulate.
- (L) - No exposure limit. Exposure by all routes should be carefully controlled to levels as low as possible.
- (M) - refers to sulfuric acid contained in strong inorganic acid mists.
- (N) - the 8-hour TWA listed in the Table is for the total dust. The substance also has an 8-hour TWA of 3 mg/m³ for the respirable fraction.
- (O) - sampled by method that does not collect vapour.
- (P) - application restricted to conditions in which there are negligible aerosol exposures.
- (V) - vapour and inhalable aerosol.

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Table 1: Special Notes	
Substance [CAS No.]	Note
Asphalt (Bitumen) fume, as benzene-soluble aerosol, Inhalable [8052-42-4]	IARC group 2A carcinogen - Bitumens, occupational exposure to oxidized bitumens and their emissions during roofing
Beryllium and compounds, as Be [7440-41-7]	Soluble compounds - dermal sensitization Soluble and insoluble compounds - respiratory sensitization
Cobalt and inorganic compounds, as Co, Inhalable [7440-48-4]	IARC group 2A carcinogen - Cobalt metal (without tungsten carbide or other metal alloys) [7440-48-4]
2,4-Dichlorophenoxyacetic acid and its esters [94-75-7]	IARC group 2B carcinogens - chlorophenoxy herbicides as a group
Diesel fuel, as total hydrocarbons, Inhalable [68334-30-5; 68476-30-2; 68476-31-3; 68476-34-6; 77650-28-3]	Diesel fuel, marine, is an IARC group 2B carcinogen
Dinitrotoluene [25321-14-6]	2,4-Dinitrotoluene, 2,6-Dinitrotoluene and 3,6-Dinitrotoluene are IARC group 2B carcinogens
Heptane, straight and branched isomers [562-49-2; 31394-54-4; 617-78-7; 464-06-2]	ACGIH description of "Heptane, straight and branched isomers" also includes isomers with CAS numbers [108-08-7; 142-82-5; 565-59-3; 589-34-4; 590-35-2; 591-76-4], these specific isomers are referenced under "Heptane, isomers"
Hexane (Commercial, <54% n-Hexane) and the branched hexane isomers [various, including 64742-49-0; 64742-89-8; 75-83-2; 79-29-8; 96-14-0; 107-83-5]	Skin notation only applies to Hexane (Commercial, <54% n-Hexane). Skin notation does not apply to branched hexane isomers.
Indium and compounds, as In [7440-74-6]	Indium phosphide is an IARC group 2A carcinogen Indium tin oxide is an IARC group 2B carcinogen
Lead chromate, as Cr [7758-97-6]	IARC group 1 carcinogen - Chromium (VI) compounds as a whole
Mica, >1% silica (Respirable) [12001-26-2]	When occupational exposures are to mica containing >1% crystalline silica, the B.C. exposure limit for crystalline silica should be applied (in addition to the B.C. exposure limit for mica).
Nickel - Elemental, Soluble inorganic compounds, as Ni [7440-02-0]	Elemental nickel and alloys containing nickel are IARC group 2B carcinogens. Nickel compounds are IARC group 1 carcinogens.
Nickel - Insoluble inorganic compounds, as Ni [7440-02-0]	Nickel compounds are IARC group 1 carcinogens
Nickel carbonyl, as Ni [13463-39-3]	
Nitropyrene, mono, di, tri, tetra, isomers [42397-64-8; 42397-65-9; 5522-43-0; 57835-92-4; 75321-20-9]	1-Nitropyrene is an IARC group 2A carcinogen 4-Nitropyrene is an IARC group 2B carcinogen 1,6-Dinitropyrene is an IARC 2B carcinogen 1,8-Dinitropyrene is an IARC 2B carcinogen 1,3-Dinitropyrene is an IARC 2B carcinogen
Nitrotoluene, all isomers [88-72-2; 99-08-1; 99-99-0]	2-Nitrotoluene [88-72-2] is an IARC 2A carcinogen
Strontium chromate, as Cr, Total [7789-06-2]	Strontium chromate is a hexavalent chromium compound

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	Note
Uranium (Natural) [7440-61-1]	Ionizing radiation (all types) and Radionuclides are IARC group 1 carcinogens
Wood dust	ACGIH sensitizer - western red cedar ACGIH A1 - oak and beech ACGIH A2 - birch, mahogany, teak, walnut Wood dust is an IARC group 1 carcinogen.
Zinc chromates, as Cr [13530-65-9; 11103 -86-9; 37300-23-5]	Zinc chromate is a hexavalent chromium compound

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	Note
Acetamide [60-35-5]	No British Columbia exposure limit at this time.
Acetamiprid, Inhalable fraction and vapour [135410-20-7]	
Aldicarb [116-06-3]	
Allyl bromide [106-95-6]	
Allyl methacrylate [96-05-9]	
Bendiocarb [22781-23-3]	
Bensulide, Inhalable fraction and vapour [741-58-2]	
Benzoic acid and alkali benzoates:	
Benzoic acid [65-85-0], Inhalable fraction and vapour	
Sodium benzoate, as benzoate [532-32-1], Inhalable	
Potassium benzoate, as benzoate [582-25-2], Inhalable	
Boron trichloride [10294-34-5]	
Buprofezin, Inhalable fraction and vapour [69327-76-0]	
Butenes, all isomers, including Isobutene [106-98-9; 107-01-7;	
590-18-1; 624-64-6; 25167-67-3; 115-11-7]	
4-tert-Butylbenzoic acid [98-73-7]	
tert-Butyl hydroperoxide [75-91-2]	
Cadusafos [95465-99-9]	
Captafol, Inhalable fraction and vapour [2425-06-1]	
Carfentrazone-ethyl [128639-02-1]	
Chlordane, Inhalable fraction and vapour [57-74-9]	
Chromium - trivalent chromium compounds, as Cr(III), Inhalable [7440-47-3]	
Chromium - hexavalent chromium compounds, as Cr(VI), Inhalable [7440-47-3]	
Citral, inhalable [5292-40-5]	
Clothianidin [210880-92-5], Inhalable	
Copper naphthenate, Inhalable fraction and vapour [1338-02-9]	
Cyanazine [21725-46-2]	
Cyanogen bromide [506-68-3]	
Cyromazine [66215-27-8], Inhalable	
Desflurane [57041-67-5]	
Diethylene glycol monobutyl ether [112-34-5]	
N,N-Diethylhydroxylamine [3710-84-7]	
Dimethylphenol, all isomers [95-65-8; 95-87-4; 105-67-9; 108-68-9; 526-75-0; 576-	
26-1; 1300-71-6]	
Dimethenamid-P, Inhalable fraction and vapour [163515-14-8]	
Divinylbenzene-ethyl styrene mixtures, as total divinylbenzene isomers [69011-19-	
4; 7525-62-4; 108-57-6; 105-06-6]	
Endotoxins, Inhalable [67924-63-4]	
EPN, Inhalable fraction and vapour [2104-64-5]	
Ethylene glycol - Inhalable, aerosol only [107-21-1]	
Ethylene glycol dimethyl ether [110-71-4]	
2-Ethyl-1-hexanol [104-76-7]	
Fenoxycarb, Inhalable [72490-01-8]	
Fludioxonil [131341-86-1]	
Fluorine, as F [7782-41-4]	

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Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	Note
Folpet [133-07-3]	No British Columbia exposure limit at this time.
Glycidyl methacrylate [106-91-2]	
Glyphosate, Inhalable [1071-83-6]	
Heptane, straight and branched isomers [562-49-2; 31394-54-4; 617-78-7; 464-06-2]	
Hexamethylenetetramine, Inhalable fraction and vapour [100-97-0]	
Hexazinone [51235-04-2]	
Hexylene glycol, Inhalable, aerosol only [107-41-5]	
Hexylene glycol, vapour [107-41-5]	
Imazosulfuron [122548-33-8], Inhalable	
Imidacloprid, Inhalable [138261-41-3]	
Indium tin oxide, as In [50926-11-9]	
Iodides	
Iodides, as I, Inhalable	
Iodine, as I, Inhalable draftion and vapour [7553-56-2]	
Iodoform, as elemental Iodine [75-47-8], Inhalable fraction and vapour	
Isobutyl nitrite, Total [542-56-3]	
Isoflurane [26675-46-7]	
Lead chromate, as Cr(VI), Inhalable [7758-97-6]	
2-Methyl-2-butene [513-35-9]	
Methylcyclohexanone, all isomers [591-24-2; 589-92-4; 1331-22-2]	
Methylnaphthalene, all isomers [90-12-0; 91-57-6; 1321-94-4]	
Methyltetrahydrophthalic anhydride isomers [3425-89-6; 5333-84-6; 11070-44-3; 19438-64-3; 26590-20-5; 42498-58-8]	
Monomethylformamide [123-39-7]	
Nicotine, Inhalable fraction and vapour [54-11-5]	
Nitrapyrim, Inhalable fraction and vapour [1929-82-4]	
5-Nitro-o-toluidine, Inhalable fraction and vapour [99-55-8]	
Paraquat, as the cation, Inhalable [4685-14-7]	
2,4-Pentanedione [123-54-6]	
Pentachloronaphthalene, Inhalable fraction and vapour [1321-64-8]	
Peracetic acid [79-21-0]	
Phenothiazine, Inhalable [92-84-2]	
Phenylethyl alcohol [60-12-8]	
o-Phthalaldehyde [643-79-8]	
Phthalic anhydride, Inhalable fraction and vapour [85-44-9]	
o-Phthalodinitrile [91-15-6]	
Prometon [1610-18-0], Inhalable	
Prometryn [7287-19-6], Inhalable	
Propionitrile [107-12-0]	
Propyl acetate isomers, as a mixture [108-21-4; 109-60-4]	
Propylene glycol ethyl ether [1569-02-4]	
Sevoflurane [28523-86-6]	
Silicon carbide, Nonfibrous particles (containing <0.1% crystalline silica), Inhalable [409-21-2]	
Silicon carbide, Nonfibrous particles (containing <0.1% crystalline silica), Respirable [409-21-2]	
Simazine [122-34-9]	
Styrene oxide [96-09-3]	
Sulfometuron methyl, Inhalable fraction and vapour [74222-97-2]	
Sulfoxaflor [946578-00-3]	

Bracketed letters are end notes, e.g., "(L)" and "(V)";
 STEL column C = Ceiling limit;
 Notations column R = Adverse reproductive effect; S = Sensitizer;
 A1, A2, 1, 2A, 2B = Carcinogen designations

Table of exposure limits for chemical and biological substances

Updated 2025/08/20

Substance [CAS No.]	Note
Tetrachlorvinphos, Inhalable [22248-79-9; 22350-76-1; 961-11-5]	No British Columbia exposure limit at this time.
Thiacloprid [111988-49-9]	
Thiodicarb [59669-26-0]	
Thioglycolic acid and salts [68-11-1]	
Titanium dioxide [13463-67-7], Nanoscale particles and finescale particles, Respirable	
Titanium tetrachloride, as HCl [7550-45-0]	
2,4- and 2,6- Toluene diisocyanate as a mixture [584-84-9; 91-08-7] (see OHS Regulation s. 5.51)	
Triethylene glycol, Inhalable fraction and vapour [112-27-6]	
Trichlorfon, Inhalable fraction and vapour [52-68-6]	
Triclosan [3380-34-5]	
Triflumizole, Inhalable [68694-11-1]	
Trimetacresyl phosphate, Inhalable fraction and vapour [563-04-2]	
Trimethylolpropane, Inhalable fraction and vapour [77-99-6]	
2,4,6-Trinitrotoluene (TNT), Inhalable fraction and vapour [118-96-7]	
Triparacresyl phosphate, Inhalable fraction and vapour [78-32-0]	
Vinyltoluene, all isomers [611-15-4; 100-80-1; 622-97-9; 25013-15-4]	

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