

Revised OELs for Substances in Policy Item R5.48-1 (these have been delisted from Policy)

Excluded Substance [CAS No.]	Adopted Occupational Exposure Limits (OELs) Effective 2008			Previous WorkSafeBC OELs, Notations	Industrial Application / Use
	TWA	STEL /Ceiling (C)	Notations		
Hydroquinone [123-31-9]	1 mg/m ³	-	S	Ceiling limit 2 mg/m ³	Multi-industrial application Photo- and litho-graphic developer, paint stabilizer, dermatology (skin lightening)
Polyvinyl chloride (PVC) [9002-86-2], <i>respirable</i>	1 mg/m ³	-	-	TWA 5 mg/m ³	Plastic products (polymer) PVC siding, piping, valves
1,1,2,2-Tetrachloro-1,2-difluoroethane [76-12-0]	50 ppm	-	-	TWA 200 ppm	CFC-112 refrigerant No longer produced / used in N America

Definitions / Notations

"S" Sensitizer

Substances Subject to Automatic Adoption Based on the 2008 List of Amended ACGIH TLVs

Substance [CAS No.]	Adopted Occupational Exposure Limits (OELs) Effective 2008			Previous WorkSafeBC OELs, Notations	Industrial Application / Use
	TWA	STEL /Ceiling (C)	Notations		
Aluminium - Alkyls – NOS, as Al [7429-90-5]	ACGIH Documentation and Adopted TLVs withdrawn; replaced by “aluminium metal and insoluble compounds” (see entry below)			TWA 2 mg/m ³	-
Aluminium - Metal dust [7429-90-5]	ACGIH Documentation and Adopted TLVs withdrawn; replaced by “aluminium metal and insoluble compounds” (see entry below)			TWA 10 mg/m ³ (N)	-
Aluminium - Pyro powders” [7409-90-5], as Al	ACGIH Documentation and Adopted TLVs withdrawn; replaced by “aluminium metal and insoluble compounds” (see entry below)			TWA 5 mg/m ³	-
Aluminium - Soluble salts (7429-90-5); as Al	ACGIH Documentation and Adopted TLVs withdrawn; replaced by “aluminium metal and insoluble compounds” (see entry below)			TWA 2 mg/m ³	-
Aluminium hydroxide [21645-51-2] (see Aluminium – Metal dust)	ACGIH Documentation and Adopted TLVs withdrawn; replaced by “aluminium metal and insoluble compounds” (see entry below)			TWA 10 mg/m ³ (N)	-
Aluminium oxide [1344-28-1]	ACGIH Documentation and Adopted TLVs withdrawn; replaced by “aluminium metal and insoluble compounds” (see entry below)			TWA 10 mg/m ³ (E, N)	-
Aluminium metal and insoluble compounds [7429-90-5], <i>respirable</i>	1.0 mg/m ³	-	-	-	Most widely used non-ferrous metal in industry: aluminium metal and alloys; includes aluminium oxide “rust” Cosmetics, deodorants, catalysts, flocculating agent, pharmaceuticals (e.g., antacids)

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	TWA	STEL /Ceiling (C)	Notations		
Benomyl [17804-35-2], <i>Inhalable</i>	1.0 mg/m ³	-	R, S	TWA 10 mg/m ³ (N), R	Agriculture Systemic fungicide
Butenes, all isomers [106-98-9; 107-01-7; 590-18-1; 624-64-6; 25167-67-3]; including isobutene [115-11-7]	250 ppm	-	-	-	Petrochemical industry, plastics mfg. industry Production of gasoline, aviation fuel, resins, synthetic rubber, adhesives
Carbaryl [63-25-2], <i>inhalable aerosol and vapour</i>	0.5 mg/m ³	-	Skin, R	TWA 5 mg/m ³ , R	Agriculture Broad spectrum contact insecticide
Emery [1302-74-5]	ACGIH Documentation and Adopted TLVs withdrawn; see entry for "Aluminium metal and insoluble compounds" (see entry above)			TWA 10 mg/m ³ (E, N)	-
Indene [95-13-6]	5 ppm	-	-	TWA 10 ppm	Chemical mfg. intermediary Resin mfg.
Iodides, <i>inhalable aerosol and vapour</i>	0.01 ppm	-	-	Ceiling limit 0.1 ppm	Essential nutrient Multi-industrial use (animal feed supplement, catalysts, inks, disinfectants, lubricants)
Iodine [7553-56-2], <i>inhalable aerosol and vapour</i>	0.01 ppm	0.1 ppm	-	Ceiling limit 0.1 ppm	Essential nutrient Multi-industrial use (animal feed supplement, catalysts, inks, disinfectants, lubricants)

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	TWA	STEL /Ceiling (C)	Notations		
Natural rubber latex as Total Proteins, <i>inhalable</i> [9006-04-6],	0.0001 mg/m ³	-	Skin, S	TWA of 0.001 mg/m ³ , Skin, S	Natural plant product Rubber tire mfg., surgical glove & other medical rubber material mfg. Healthcare use
1,1,1,2-Tetrachloro-2,2-difluoroethane [76-11-9]	100 ppm	-	-	TWA 500 ppm	CFC-112a refrigerant No longer produced / used in N America
Thiram [137-26-8], <i>inhalable aerosol and vapour</i>	0.05 mg/m ³	-	S	TWA 1 mg/m ³	Agriculture Fungicide
Trimellitic anhydride [552-30-7], <i>inhalable aerosol and vapour</i>	0.0005 mg/m ³	0.002 mg/m ³	Skin, S	Ceiling limit 0.04 mg/m ³ , S	Plastics & coatings mfg. Curing agent for plastics, paints

Definitions / Notations

- (E) The value is for particulate matter containing no asbestos and less than 1% crystalline silica
- (N) The 8-hour TWA listed is for total particulate. By default, the substance also has an assigned 8-hour TWA of 3 mg/m³ for the respirable fraction
- “R” Identifies a substance that has an adverse reproductive effect
- “Skin” Identifies a substance that contributes significantly to the overall exposure by the skin route (cutaneous absorption)
- “S” Sensitizer