

PAH Inhalation Toxicity Summary (Prepared by B. Hope)

Chemical	CASRN	Value (µg/m ³)	Value (ppb)	Source	Type	Date	Endpoint	Duration
Total Polycyclic Aromatic Hydrocarbons	none	0.0009 ^a	---	OEHHA	URE	1999	Calculated using an adult IUR of 0.0011 (ug/m ³) ⁻¹ .	lifetime
		0.0017 ^c	---	EPA	URE	2014	Calculated using a IUR for B[a]P of 6 x 10 ⁻⁴ for tumors in male hamsters exposed to aerosols for 104 weeks (EPA, 2014).	lifetime
		0.0009	---	EPA	URE	2014	Value calculated with an IUR of 6 x 10 ⁻⁴ then age-adjusted (0-70 years) for mutagenicity.	lifetime
		0.0009	---	MN MDH	RAA ^d	2014	Calculated using an adult IUR of 0.0011 (ug/m ³) ⁻¹ from OEHHA.	lifetime
		0.000012 ^e	---	WHO	Guide	2009	Unit risk for lung cancer for PAH mixtures is estimated to be 8.7 x 10 ⁻² per µg/m ³ .	lifetime
		0.001	---	EU	Limit	2012	Annual average target value per Directive 2004/107/EC.	lifetime
		0.0003	---	New Zealand	Guide	2014	Annual average for B[a]P based on calculations made in 2004.	lifetime
		0.00001	---	Ontario (Canada)	AAQC ^f	2011	An annual average for B[a]P, as a surrogate of total PAHs, based on carcinogenicity associated with exposure to PAH compounds.	lifetime

NOTES

- ^a Current Oregon ABC. Sum of the toxicity equivalency factor (with respect to B[a]P) adjusted concentrations for 32 individual PAHs.
- ^b OEHHA URE unchanged as of 2015.
- ^c For B[a]P.
- ^d Risk Assessment Advice (RAA).
- ^e For indoor air exposures only.
- ^f Ambient Air Quality Criteria (AAQC).

COMMENTS

OR emissions: 8.3 tpy (B[a]P only)

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