

Chemical	Isopropyl acetate (acetic acid)
CAS Number	108-21-4
Category	Category III
Cancer Classification	EPA: Not Evaluated IARC: Not Evaluated NTP: No Report
Proposed HAAS	331.5 ug/m ³
Basis of Proposed HAAS	Information cited in ACGIH TLV documentation
Basis of Value used to derive Proposed HAAS	Critical Effect: Ocular irritation Study Animal: Human volunteers Exposure Route: Inhalation
Dose Extrapolation Method	NOAEL,LOAEL
Notes	Limited information. ACGIH cites study where ocular irritation was noted in human volunteers exposed to 200 ppm. 100 ppm (417709.61 ug/m ³) was selected as a sensory limit for 8 hour exposures. This value serves as NOAEL and starting point for derivation of standard.
Additional Tox and/or Occupational Values	VOSHA 1910.1 PEL 950,000 ug/m ³ (250 ppm)TWA 1,185,000 ug/m ³ (310 ppm) STEL NIOSH REL Appendix D – question if PEL of 950,000 ug/m ³ (250 ppm) TWA and STEL of 1,185,000 ug/m ³ (310 ppm) are sufficiently protective IDLH 7,518,773 ug/m ³ (1800 ppm) ACGIH TLV-TWA 1,040,000 ug/m ³ (250 ppm) STEL 1,290,000 ug/m ³ (310 ppm)
Comparison Values	
Derivation of HAAS: $HAAS (ug/m^3) = \frac{NOAEL}{UF \times MF \times TF}$ UF = 10 for intra-species (inter-individual) variability UF = 10 for less than chronic study/data MF = 3 for limited data TF = 4.2 to extrapolate from occupational to continuous exposure $= \frac{417709.61}{10 \times 10 \times 3 \times 4.2}$ $\cong 331.5 \text{ ug/m}^3$	