

Chemical	Nitric acid
CAS Number	7697-37-2
Category	Category III
Cancer Classification	EPA: Not Evaluated IARC: Not Evaluated NTP: No Report
Proposed HAAS	136.59 ug/m ³
Basis of Proposed HAAS	Documentation available for AEGL for Nitric acid
Basis of Value used to derive Proposed HAAS	Critical Effect: Study Animal: Exposure Route:
Dose Extrapolation Method	
Notes	Documentation notes 8 hour Interim AEGL 1 of .53 ppm (1365.86 ug/m ³) based on no changes in pulmonary function noted in 5 human volunteers exposed to 1.6 ppm (4,130 ug/m ³) for 10 minutes while at rest. An intra-species uncertainty factor of 3 was employed as this is a direct acting irritant and does not lead to a wide range of sensitivity.
Additional Tox and/or Occupational Values	VOSHA 1910.1 PEL 5,000 ug/m ³ (2 ppm) TWA 10,000 ug/m ³ (4 ppm) STEL NIOSH REL 5,000 ug/m ³ (2 ppm) TWA 10,000 ug/m ³ (4 ppm) STEL IDLH 64,427 ug/m ³ (25 ppm) ACGIH TLV-TWA 5,200 ug/m ³ (2 ppm) STEL 10,000 ug/m ³ (4 ppm)
Comparison Values	
Derivation of HAAS: $\text{HAAS (ug/m}^3\text{)} = \frac{\text{AEGL1}}{10} \text{ (uncertainty factor of 10 included for less than chronic exposure)}$ $= \frac{1365.86}{10}$ $\cong 136.59 \text{ ug/m}^3$	