

Chemical	Iodine
CAS Number	7553-56-2
Category	Category III
Cancer Classification	EPA: Not Evaluated IARC: Not Evaluated NTP: No Report
Proposed HAAS	2.47 ug/m ³
Basis of Proposed HAAS	ACGIH Ceiling 1038.08 ug/m ³ (.1 ppm)
Basis of Value used to derive Proposed HAAS	Critical Effect: Ocular and upper respiratory tract irritation Study Animal: Humans Exposure Route: Inhalation, occupational exposure
Dose Extrapolation Method	
Notes	ACGIH notes study where no effects reported in humans for ocular and upper respiratory tract irritation at .1 ppm (1303.08 ug/m ³)
Additional Tox and/or Occupational Values	VOSHA 1910.1 PEL 1,000 ug/m ³ (.1ppm) Ceiling NIOSH REL 1,000 ug/m ³ (.1ppm) Ceiling
Comparison Values	
Derivation of HAAS: $\text{HAAS (ug/m}^3\text{)} = \frac{OEL}{UF \times TF}$ UF = 10 for intra-species (inter-individual) variability UF = 10 for less than chronic study/data TF = 4.2 to extrapolate from occupational to continuous exposure $= \frac{1038.08}{10 \times 10 \times 4.2}$ $\cong 2.47 \text{ ug/m}^3$	