

Chemical	<b>Sulfur monochloride</b> (Sulfur chloride)
CAS Number	10025-67-9
Category	Category III
Cancer Classification	EPA: Not Evaluated IARC: Not Evaluated NTP: No Report
Proposed HAAS	1.83 ug/m <sup>3</sup>
Basis of Proposed HAAS	Information cited in ACGIH TLV documentation
Basis of Value used to derive Proposed HAAS	Critical Effect: Primarily upper respiratory tract irritation Study Animal: Human Exposure Route: Inhalation, occupational
Dose Extrapolation Method	NOAEL,LOAEL
Notes	ACGIH notes toxicity data is extremely limited. ACGIH Ceiling of 5,500 ug/m <sup>3</sup> (1 ppm) is intended to minimize potential for ocular, mucous membrane, dermal and upper respiratory irritation as well as exposure to nauseating odor. Ceiling is apparently based on occupational exposure with some attempt to adjust for potential HCL content.
Additional Tox and/or Occupational Values	VOSHA 1910.1 PEL 6,000 ug/m <sup>3</sup> (1 ppm) Ceiling NIOSH REL 6,000 ug/m <sup>3</sup> (1 ppm) Ceiling IDLH 30,000 ug/m <sup>3</sup> (5 ppm)
Comparison Values	
Derivation of HAAS: $\text{HAAS (ug/m}^3\text{)} = \frac{OEL}{UF \times MF}$ <p>UF = 3 for intra-species variability  UF = 10 for lack of NOAEL, use of LOAEL (Ceiling employed as surrogate LOAEL)  UF = 10 for less than chronic study/data  MF = 10 for limited data</p> $= \frac{5,500}{3 \times 10 \times 10 \times 10}$ $\cong 1.83 \text{ ug/m}^3$	