

Ⅷ 環境管理

VCMの環境管理は、環気中塩ビ濃度の規制に関する職業がん専門委員会検討結果報告に基づく労働省労働基準局長通達「塩化ビニル障害の予防について」（昭和50年6月2日付け基発第348号）では管理濃度として幾何平均濃度2 ppm 以下、幾何標準偏差の上限が0.4を超えないこととしている。

なお、従来から使用されている許容濃度は、零から零以上のある濃度までは、その物質の悪影響が見られず、その濃度を超えると悪い影響が見られるようになる濃度で、生物学的な量-反応（影響）関係に基づいて設定された閾値概念であり、健康障害管理のための指針であり勧告である。

一方、管理濃度は、作業環境におけるがん原性物質の濃度を可能な限り最小限に止めるための現実的な環境管理レベルであり以下に述べる項目について検討の上設定される。

- i) 量-反応（影響）関係についての疫学的調査結果
- ii) 発がん実験における量-反応（影響）関係
- iii) 環境濃度減少のための工学技術可能性
- iv) 環境濃度測定の問題

通達に示されたような管理濃度がきびしく守られるならば、VCMによる健康障害はもちろん発がんの危険の確率も十分小さくなるであろう。

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