

Cardiac Sensitization Toxicity Testing and Implications for CF3I Risk Assessment as a Halon 1301 Replacement

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Cardiac sensitization is frequently cited as the primary health effect of concern for acute inhalation of halocarbon chemicals, such as Halon 1301 and trifluoroiodomethane (CF₃I). This presentation discusses the standard cardiac sensitization toxicity test, the history of the development of the test protocol, and the derivation of toxicity thresholds from test data. In addition, we discuss the application of cardiac sensitization test findings to human health risk assessment of CF₃I as a Halon 1301 replacement.