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Nota di contenuto	<p>""Standing Operating Procedures for Developing Acute Exposure Guideline Levels for Hazardous Chemicals""; ""Copyright""; ""Preface""; ""Contents""; ""Introduction""; ""REVIEW OF THE NAC DOCUMENT""; ""REFERENCES""; ""Roster National Advisory Committee for Acute Exposure Guideline Levels (NAC/AEGL Committee) for Hazardous Substances""; ""COMMITTEE MEMBERS""; ""Past Committee Members""; ""Participants from Cooperative Partner Countries""; ""Other Participants""; ""Oak Ridge National Laboratory Staff""; ""AEGL Program Senior Staff""; ""Appendix""; ""Preface""</p> <p>""1. Overview of AEGL Program and NAC/AEGL Committee""""HISTORY""; ""PURPOSE AND OBJECTIVES OF THE AEGL PROGRAM AND THE NAC/AEGL COMMITTEE""; ""COMMITTEE MEMBERSHIP AND ORGANIZATIONAL STRUCTURE""; ""SELECTION OF CHEMICALS FOR AEGL DEVELOPMENT""; ""SCIENTIFIC CREDIBILITY OF AEGL VALUES""; ""THE AEGL DEVELOPMENT AND PEER-REVIEW PROCESS""; ""Stage 1: Draft</p>

AEGLs""; ""Stage 2: Proposed AEGLs""; ""Stage 3: Interim AEGLs""; ""Stage 4: Final AEGLs""; ""OPERATION OF THE NAC/AEGL COMMITTEE""; ""VALUE OF A COLLABORATIVE EFFORT IN THE AEGL PROGRAM""; ""APPLICATIONS OF THE AEGL VALUES""  
 ""2. Derivation of AEGL Values""""2.1 CHARACTERIZATION OF AEGLS""; ""2.2 EMPIRICAL TOXICOLOGIC ENDPOINTS AND METHODS FOR DETERMINING EXPOSURE CONCENTRATIONS USED TO DERIVE AEGLS 1, 2, AND 3""; ""2.2.1 Selection of the Highest Exposure Level at Which the Effects That Define an AEGL Are Not Observed""; ""2.2.2 Selection of Health-Effect Endpoints for AEGL-1, AEGL-2, and AEGL-3""; ""2.2.2.1 AEGL-1 Endpoints""; ""2.2.2.1.1 No Value Establisheda€?AEGL-1 Is Close to or Exceeds AEGL-2""; ""2.2.2.1.2 No Value Establisheda€?Insufficient Data""  
 ""2.2.2.1.3 Highest Experimental Exposure Without an AEGL-1 Effect""""2.2.2.1.4 Effect Level for a Response""; ""2.2.2.2 AEGL-2 Endpoints""; ""2.2.2.2.1 Highest Experimental Exposure Without an AEGL-2 Effect""; ""2.2.2.2.2 Effect Level for a Toxic Response That Was Not Incapacitating or Not Irreversible""; ""2.2.2.2.3 A Fraction of the AEGL-3 Value""; ""2.2.2.3 AEGL-3 Endpoints""; ""2.2.2.3.1 Highest Exposure Level That Does Not Cause Lethalitya€?Experimentally Observed Threshold (AEGL-3 NOAEL)""  
 ""2.2.2.3.2 Highest Exposure Level That Does Not Cause Lethalitya€?Estimated Lethality Thresholda€?One-Third of the LC50""""2.2.2.3.3 Highest Exposure Level That Does Not Cause Lethalitya€?Benchmark Exposure Calculation of the 5% and 1% Response""; ""2.2.2.3.4 Effect Level for a Response""; ""2.3 GUIDELINES AND CRITERIA FOR THE SEARCH STRATEGY, EVALUATION, SELECTION, AND DOCUMENTATION OF KEY DATA AND SUPPORTINGa€?""; ""2.3.1 Search Strategy""; ""2.3.2 Evaluation, Selection, and Documentation of Key and Supporting Data""; ""2.3.3 Elements for Discussion on Data Adequacy and Research Needs""  
 ""2.4 DOSIMETRY CORRECTIONS FROM ANIMAL TO HUMAN EXPOSURES""

## Sommario/riassunto

Standing Operating Procedures for Developing Acute Exposure Guideline Levels for Hazardous Chemicals contains a detailed and comprehensive methodology for developing acute exposure guideline levels (AEGLs) for toxic substances from inhalation exposures. The book provides guidance on what documents and databases to use, toxicity endpoints that need to be evaluated, dosimetry corrections from animal to human exposures, selection of appropriate uncertainty factors to address the variability between animals and humans and within the human population, selection of modifying factors to address data deficiencies, time scaling, and quantitative cancer risk assessment. It also contains an example of a summary of a technical support document and an example of AEGL derivation. This book will be useful to persons in the derivation of levels from other exposure routes "both oral and dermal "as well as risk assessors in the government, academe, and private industry.