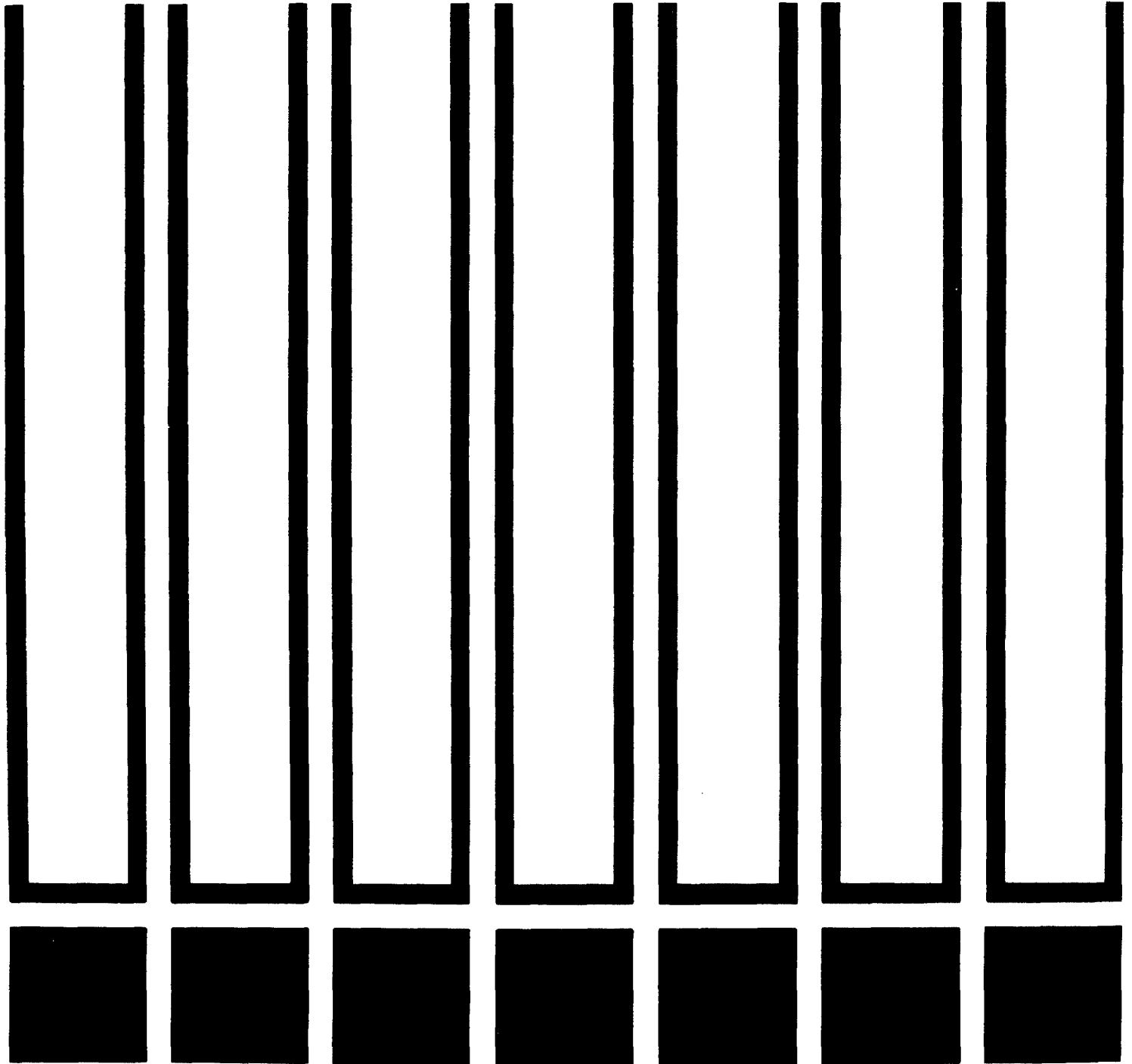


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**criteria for a recommended standard . . . .  
occupational exposure to**

**Refined Petroleum Solvents**



**U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE**

Public Health Service    Center for Disease Control  
National Institute for Occupational Safety and Health

**criteria for a recommended standard....**

**OCCUPATIONAL EXPOSURE  
TO  
REFINED PETROLEUM SOLVENTS**



**U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE**

**Public Health Service**

**Center for Disease Control**

**National Institute for Occupational Safety and Health**

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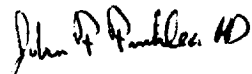
## PREFACE

The Occupational Safety and Health Act of 1970 emphasizes the need for standards to protect the health and safety of workers exposed to an ever-increasing number of potential hazards at their workplace. The National Institute for Occupational Safety and Health has projected a formal system of research, with priorities determined on the basis of specified indices, to provide relevant data from which valid criteria for effective standards can be derived. Recommended standards for occupational exposure, which are the result of this work, are based on the health effects of exposure. The Secretary of Labor will weigh these recommendations along with other considerations such as feasibility and means of implementation in developing regulatory standards.

It is intended to present successive reports as research and epidemiologic studies are completed and as sampling and analytical methods are developed. Criteria and standards will be reviewed periodically to ensure continuing protection of the worker.

I am pleased to acknowledge the contributions to this report on refined petroleum solvents by members of the NIOSH staff and the valuable constructive comments by the Review Consultants on Refined Petroleum Solvents, by the ad hoc committees of the American Conference of Governmental Industrial Hygienists and the Society of Toxicology and by

Robert B. O'Connor, M.D., NIOSH consultant in occupational medicine. The NIOSH recommendations for standards are not necessarily a consensus of all the consultants and professional societies that reviewed this criteria document on refined petroleum solvents. A list of Review Consultants appears on page vi.



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The Division of Criteria Documentation and Standards Development, National Institute for Occupational Safety and Health, had primary responsibility for development of the criteria and the recommended standards for refined petroleum solvents. Ludmilla Syrotenko, Ph.D., served as criteria manager and Irwin P. Baumel, Ph.D., had program responsibility. Stanford Research Institute (SRI) developed the basic information for consideration by NIOSH staff and consultants under contract CDC 99-74-31.

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The views expressed and conclusions reached in this document, together with the recommendations for a standard, are those of NIOSH. These views and conclusions are not necessarily those of the consultants, other federal agencies or professional societies that reviewed the document, or of the contractor.

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CRITERIA DOCUMENT:  
RECOMMENDATIONS FOR AN OCCUPATIONAL  
EXPOSURE STANDARD FOR REFINED PETROLEUM SOLVENTS

Table of Contents

	<u>Page</u>
PREFACE	iii
REVIEW CONSULTANTS	vi
I. RECOMMENDATIONS FOR A REFINED PETROLEUM SOLVENTS STANDARD	1
Section 1 - Environmental (Workplace Air)	4
Section 2 - Medical	5
Section 3 - Labeling and Posting	7
Section 4 - Personal Protective Clothing and Equipment	8
Section 5 - Informing Employees of Hazards from Refined Petroleum Solvents	13
Section 6 - Work Practices	14
Section 7 - Sanitation Practices	20
Section 8 - Monitoring and Recordkeeping	20
II. INTRODUCTION	23
III. BIOLOGIC EFFECTS OF EXPOSURE	26
Extent of Exposure	26
Historical Reports	33
Effects on Humans	36
Epidemiologic Studies	75
Animal Toxicity	81
Correlation of Exposure and Effect	116
Carcinogenicity, Mutagenicity, Teratogenicity, and Effects on Reproduction	132
IV. ENVIRONMENTAL DATA AND ENGINEERING CONTROLS	150
Sampling and Analysis	150
Environmental Levels	159
Engineering Controls	164
V. WORK PRACTICES	167



Table of Contents (Continued)

	<u>Page</u>
VI. DEVELOPMENT OF STANDARD	176
Basis for Previous Standards	176
Basis for the Recommended Standard	180
VII. RESEARCH NEEDS	197
VIII. REFERENCES	199
IX. APPENDIX I - Benzene Hazard	211
X. APPENDIX II - Method for the Sampling and Analysis of Petroleum Ether	214
XI. APPENDIX III - Method for Sampling Refined Petroleum Solvents in Air	216
XII. APPENDIX IV - Analytical Method for Refined Petroleum Solvents	221
XIII. APPENDIX V - Material Safety Data Sheet	232
XIV. TABLES AND FIGURE	242