

TABLE OF CONTENTS

FOREWORD	1
1. EXECUTIVE SUMMARY	4
2. IDENTITY AND PHYSICAL/CHEMICAL PROPERTIES	5
3. ANALYTICAL METHODS	5
4. SOURCES OF HUMAN AND ENVIRONMENTAL EXPOSURE	5
5. ENVIRONMENTAL TRANSPORT, DISTRIBUTION, AND TRANSFORMATION	6
6. ENVIRONMENTAL LEVELS AND HUMAN EXPOSURE	6
6.1 Environmental levels	6
6.2 Human exposure	6
7. COMPARATIVE KINETICS AND METABOLISM IN LABORATORY ANIMALS AND HUMANS	7
8. EFFECTS ON LABORATORY MAMMALS AND <i>IN VITRO</i> TEST SYSTEMS	7
8.1 Single exposure	7
8.2 Irritation and sensitization	8
8.3 Short-term exposure	8
8.4 Long-term exposure	9
8.4.1 Subchronic exposure	9
8.4.2 Chronic exposure and carcinogenicity	9
8.5 Genotoxicity and related end-points	10
8.6 Reproductive and developmental toxicity	11
8.7 Immunological and neurological effects	11
9. EFFECTS ON HUMANS	11
10. EFFECTS ON OTHER ORGANISMS IN THE LABORATORY AND FIELD	12
10.1 Aquatic environment	12
10.2 Terrestrial environment	12
11. EFFECTS EVALUATION	13
11.1 Evaluation of health effects	13
11.1.1 Hazard identification and dose-response assessment	13
11.1.2 Criteria for setting guidance values for phenylhydrazine	13
11.1.3 Sample risk characterization	14
11.2 Evaluation of environmental effects	14
12. PREVIOUS EVALUATIONS BY INTERNATIONAL BODIES	15
13. HUMAN HEALTH PROTECTION AND EMERGENCY ACTION	15
13.1 Human health hazards	15
13.2 Advice to physicians	15
13.3 Health surveillance advice	15

14. CURRENT REGULATIONS, GUIDELINES, AND STANDARDS	16
INTERNATIONAL CHEMICAL SAFETY CARD	17
REFERENCES	19
APPENDIX 1 — SOURCE DOCUMENTS	22
APPENDIX 2 — CICAD PEER REVIEW	22
APPENDIX 3 — CICAD FINAL REVIEW BOARD	23
RÉSUMÉ D'ORIENTATION	24
RESUMEN DE ORIENTACIÓN	26