



Toxicological Profile for *n*-Hexane

Draft for Public Comment

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U.S. Department of Health and Human Services
Agency for Toxic Substances and Disease Registry

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FOREWORD

This toxicological profile is prepared in accordance with guidelines developed by the Agency for Toxic Substances and Disease Registry (ATSDR) and the Environmental Protection Agency (EPA). The original guidelines were published in the *Federal Register* on April 17, 1987. Each profile will be revised and republished as necessary.

The ATSDR toxicological profile succinctly characterizes the toxicologic and adverse health effects information for these toxic substances described therein. Each peer-reviewed profile identifies and reviews the key literature that describes a substance's toxicologic properties. Other pertinent literature is also presented, but is described in less detail than the key studies. The profile is not intended to be an exhaustive document; however, more comprehensive sources of specialty information are referenced.

The focus of the profiles is on health and toxicologic information; therefore, each toxicological profile begins with a relevance to public health discussion which would allow a public health professional to make a real-time determination of whether the presence of a particular substance in the environment poses a potential threat to human health. The adequacy of information to determine a substance's health effects is described in a health effects summary. Data needs that are of significance to the protection of public health are identified by ATSDR.

Each profile includes the following:

- (A) The examination, summary, and interpretation of available toxicologic information and epidemiologic evaluations on a toxic substance to ascertain the levels of significant human exposure for the substance and the associated acute, intermediate, and chronic health effects;
- (B) A determination of whether adequate information on the health effects of each substance is available or in the process of development to determine the levels of exposure that present a significant risk to human health due to acute-, intermediate-, and chronic-duration exposures; and
- (C) Where appropriate, identification of toxicologic testing needed to identify the types or levels of exposure that may present significant risk of adverse health effects in humans.

The principal audiences for the toxicological profiles are health professionals at the Federal, State, and local levels; interested private sector organizations and groups; and members of the public. ATSDR plans to revise these documents in response to public comments and as additional data become available. Therefore, we encourage comments that will make the toxicological profile series of the greatest use.

Electronic comments may be submitted via: www.regulations.gov. Follow the on-line instructions for submitting comments.

Written comments may also be sent to: Agency for Toxic Substances and Disease Registry
Office of Innovation and Analytics
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1600 Clifton Road, N.E.
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The toxicological profiles are developed under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (CERCLA or Superfund). CERCLA Section 104(i)(1) directs the Administrator of ATSDR to "...effectuate and implement the health-related authorities" of the statute. This includes the preparation of toxicological profiles for hazardous substances most commonly found at facilities on the CERCLA National Priorities List (NPL) and that pose the most significant potential threat to human health, as determined by ATSDR and the EPA. Section 104(i)(3) of CERCLA, as amended, directs the Administrator of ATSDR to prepare a toxicological profile for each substance on the list. In addition, ATSDR has the authority to prepare toxicological profiles for substances not found at sites on the NPL, in an effort to "...establish and maintain inventory of literature, research, and studies on the health effects of toxic substances" under CERCLA Section 104(i)(1)(B), to respond to requests for consultation under Section 104(i)(4), and as otherwise necessary to support the site-specific response actions conducted by ATSDR.

This profile reflects ATSDR's assessment of all relevant toxicologic testing and information that has been peer-reviewed. Staffs of the Centers for Disease Control and Prevention and other Federal scientists have also reviewed the profile. In addition, this profile has been peer-reviewed by a nongovernmental panel and is being made available for public review. Final responsibility for the contents and views expressed in this toxicological profile resides with ATSDR.



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VERSION HISTORY

Date	Description
May 2024	Draft for public comment toxicological profile released
July 1999	Final toxicological profile released

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ATSDR scientists review peer reviewers' comments and determine whether changes will be made to the profile based on comments. The peer reviewers' comments and responses to these comments are part of the administrative record for this compound.

The listing of peer reviewers should not be understood to imply their approval of the profile's final content. The responsibility for the content of this profile lies with ATSDR.

CONTENTS

DISCLAIMER	ii
FOREWORD	iii
VERSION HISTORY	v
CONTRIBUTORS & REVIEWERS	vi
CONTENTS.....	vii
LIST OF FIGURES	ix
LIST OF TABLES.....	x
CHAPTER 1. RELEVANCE TO PUBLIC HEALTH	1
1.1 OVERVIEW AND U.S. EXPOSURES	1
1.2 SUMMARY OF HEALTH EFFECTS.....	1
1.3 MINIMAL RISK LEVELS (MRLs).....	5
CHAPTER 2. HEALTH EFFECTS.....	9
2.1 INTRODUCTION.....	9
2.2 DEATH	41
2.3 BODY WEIGHT.....	42
2.4 RESPIRATORY	43
2.5 CARDIOVASCULAR.....	44
2.6 GASTROINTESTINAL.....	44
2.7 HEMATOLOGICAL	44
2.8 MUSCULOSKELETAL	45
2.9 HEPATIC.....	45
2.10 RENAL	46
2.11 DERMAL.....	47
2.12 OCULAR	47
2.13 ENDOCRINE.....	48
2.14 IMMUNOLOGICAL	48
2.15 NEUROLOGICAL.....	48
2.16 REPRODUCTIVE	68
2.17 DEVELOPMENTAL.....	70
2.18 OTHER NONCANCER.....	71
2.19 CANCER.....	71
2.20 GENOTOXICITY	72
CHAPTER 3. TOXICOKINETICS, SUSCEPTIBLE POPULATIONS, BIOMARKERS, CHEMICAL INTERACTIONS.....	75
3.1 TOXICOKINETICS.....	75
3.1.1 Absorption.....	75
3.1.2 Distribution	77
3.1.3 Metabolism.....	78
3.1.4 Excretion	84
3.1.5 Physiologically Based Pharmacokinetic (PBPK)/Pharmacodynamic (PD) Models	85
3.1.6 Animal-to-Human Extrapolations.....	92
3.2 CHILDREN AND OTHER POPULATIONS THAT ARE UNUSUALLY SUSCEPTIBLE.....	92
3.3 BIOMARKERS OF EXPOSURE AND EFFECT	95
3.3.1 Biomarkers of Exposure.....	96

3.3.2	Biomarkers of Effect	98
3.4	INTERACTIONS WITH OTHER CHEMICALS	99
CHAPTER 4. CHEMICAL AND PHYSICAL INFORMATION		103
4.1	CHEMICAL IDENTITY	103
4.2	PHYSICAL AND CHEMICAL PROPERTIES	104
CHAPTER 5. POTENTIAL FOR HUMAN EXPOSURE		106
5.1	OVERVIEW	106
5.2	PRODUCTION, IMPORT/EXPORT, USE, AND DISPOSAL	107
5.2.1	Production	107
5.2.2	Import/Export.....	109
5.2.3	Use	110
5.2.4	Disposal.....	112
5.3	RELEASES TO THE ENVIRONMENT	112
5.3.1	Air	114
5.3.2	Water.....	118
5.3.3	Soil	119
5.4	ENVIRONMENTAL FATE	119
5.4.1	Transport and Partitioning.....	119
5.4.2	Transformation and Degradation	120
5.5	LEVELS IN THE ENVIRONMENT.....	123
5.5.1	Air	124
5.5.2	Water.....	127
5.5.3	Sediment and Soil	128
5.5.4	Other Media	128
5.6	GENERAL POPULATION EXPOSURE.....	129
5.7	POPULATIONS WITH POTENTIALLY HIGH EXPOSURES	130
CHAPTER 6. ADEQUACY OF THE DATABASE.....		131
6.1	EXISTING INFORMATION ON HEALTH EFFECTS	131
6.2	IDENTIFICATION OF DATA NEEDS	133
6.3	ONGOING STUDIES.....	141
CHAPTER 7. REGULATIONS AND GUIDELINES		142
CHAPTER 8. REFERENCES		144
APPENDICES		
APPENDIX A.	ATSDR MINIMAL RISK LEVEL WORKSHEETS	A-1
APPENDIX B.	LITERATURE SEARCH FRAMEWORK FOR <i>n</i> -HEXANE	B-1
APPENDIX C.	FRAMEWORK FOR ATSDR'S SYSTEMATIC REVIEW OF HEALTH EFFECTS DATA FOR <i>n</i> -HEXANE	C-1
APPENDIX D.	USER'S GUIDE.....	D-1
APPENDIX E.	QUICK REFERENCE FOR HEALTH CARE PROVIDERS	E-1
APPENDIX F.	GLOSSARY	F-1
APPENDIX G.	ACRONYMS, ABBREVIATIONS, AND SYMBOLS.....	G-1

LIST OF FIGURES

1-1. Health Effects Found in Animals Following Inhalation Exposure to <i>n</i> -Hexane	2
1-2. Health Effects Found in Animals Following Oral Exposure to <i>n</i> -Hexane	3
1-3. Summary of Sensitive Targets of <i>n</i> -Hexane – Inhalation.....	6
1-4. Summary of Sensitive Targets of <i>n</i> -Hexane – Oral.....	7
2-1. Overview of the Number of Studies Examining <i>n</i> -Hexane Health Effects	13
2-2. Levels of Significant Exposure to <i>n</i> -Hexane – Inhalation.....	27
2-3. Levels of Significant Exposure to <i>n</i> -Hexane – Oral.....	38
2-4. Reaction of 2,5-Hexanedione with Protein.....	67
3-1. Proposed Scheme for the Metabolism of <i>n</i> -Hexane	79
3-2. Perbellini et al. (1986, 1990b) Physiologically Based Pharmacokinetic Model.....	86
3-3. Fisher et al. (1997) Physiologically Based Pharmacokinetic Model	90
5-1. Number of NPL Sites with <i>n</i> -Hexane Contamination	106
5-2. Degradation of <i>n</i> -Hexane in Air by Free Radicals	121
5-3. Aerobic Biodegradation of <i>n</i> -Hexane in Sediment and Soil.....	122
6-1. Summary of Existing Health Effects Studies on <i>n</i> -Hexane by Route and Endpoint	132

LIST OF TABLES

1-1. Minimal Risk Levels (MRLs) for <i>n</i> -Hexane.....	8
2-1. Levels of Significant Exposure to <i>n</i> -Hexane – Inhalation.....	14
2-2. Levels of Significant Exposure to <i>n</i> -Hexane – Oral.....	35
2-3. Levels of Significant Exposure to <i>n</i> -Hexane – Dermal.....	40
2-4. Results of Epidemiological Studies Evaluating Exposure to <i>n</i> -Hexane and Neurological Effects.....	50
2-5. Results of Rodent Studies Evaluating Inhalation Exposure to <i>n</i> -Hexane and Neurological Effects.....	58
2-6. Genotoxicity of <i>n</i> -Hexane <i>In Vitro</i>	72
2-7. Genotoxicity of <i>n</i> -Hexane <i>In Vivo</i>	73
3-1. Parameters Used in the Perbellini et al. (1986, 1990b) Physiologically Based Pharmacokinetic Model for <i>n</i> -Hexane.....	87
3-2. Parameters Used in the Fisher et al. (1997) Physiologically Based Pharmacokinetic Model for <i>n</i> -Hexane.....	90
4-1. Chemical Identity of <i>n</i> -Hexane.....	103
4-2. Physical and Chemical Properties of <i>n</i> -Hexane.....	104
5-1. Facilities that Produce, Process, or Use <i>n</i> -Hexane.....	108
5-2. Demand Patterns for Major Petroleum Products (1992).....	113
5-3. Releases to the Environment from Facilities that Produce, Process, or Use <i>n</i> -Hexane.....	115
5-4. Estimated Hexane Emitted in Pounds to the Environment According to EPA’s National Emission Inventory.....	117
5-5. Lowest Limit of Detection Based on Standards.....	123
5-6. Summary of Environmental Levels of <i>n</i> -Hexane.....	124
5-7. <i>n</i> -Hexane Levels in Water, Soil, and Air of National Priorities List (NPL) Sites.....	124
5-8. Summary of Annual Concentration of <i>n</i> -Hexane (ppbv) Measured in Ambient Air at Locations Across the United States.....	127
5-9. Reasonable Maximum Exposure Daily Inhalation Dose in $\mu\text{g}/\text{kg}/\text{day}$ and Administered Dermal Dose of <i>n</i> -Hexane for the Target Person.....	129
7-1. Regulations and Guidelines Applicable to <i>n</i> -Hexane.....	142