

## CONTENTS

NOTE TO THE READER .....	5
LIST OF PARTICIPANTS .....	7
PREAMBLE .....	13
Background .....	13
Objective and Scope .....	13
Selection of Topics for Monographs .....	14
Data for Monographs .....	15
The Working Group .....	15
Working Procedures .....	15
Exposure Data .....	16
Studies of Cancer in Humans .....	17
Studies of Cancer in Experimental Animals .....	21
Other Relevant Data .....	23
Summary of Data Reported .....	24
Evaluation .....	26
References .....	30
GENERAL REMARKS .....	35
THE MONOGRAPHS	
Occupational exposures of hairdressers and barbers and personal use of hair colourants .....	43
Hair dyes	
CI Acid Orange 3 .....	121
HC Blue No. 1 .....	129
HC Blue No. 2 .....	143
HC Red No. 3 .....	153
HC Yellow No. 4 .....	159
2-Amino-4-nitrophenol .....	167
2-Amino-5-nitrophenol .....	177
1,4-Diamino-2-nitrobenzene (2-Nitro- <i>para</i> -phenylenediamine) .....	185

## CONTENTS

<b>Cosmetic colourant</b>	
D&C Red No. 9 (CI Pigment Red 53:1) .....	203
<b>Industrial dyestuffs</b>	
Magenta and CI Basic Red 9 .....	215
CI Direct Blue 15 .....	235
CI Acid Red 114 .....	247
CI Pigment Red 3 .....	259
<b>Aromatic amines</b>	
4,4'-Methylene bis(2-chloroaniline) (MOCA) .....	271
<i>para</i> -Chloroaniline .....	305
2,6-Dimethylaniline (2,6-Xylidine) .....	323
<i>N,N</i> -Dimethylaniline .....	337
SUMMARY OF FINAL EVALUATIONS .....	351
APPENDIX 1. SUMMARY TABLES OF GENETIC AND RELATED EFFECTS .	355
APPENDIX 2. ACTIVITY PROFILES FOR GENETIC AND RELATED EFFECTS .....	375
SUPPLEMENTARY CORRIGENDA TO VOLUMES 1-56 .....	399
CUMULATIVE INDEX TO THE <i>MONOGRAPHS</i> SERIES .....	401

## NOTE TO THE READER

The term 'carcinogenic risk' in the *IARC Monographs* series is taken to mean the probability that exposure to an agent will lead to cancer in humans.

Inclusion of an agent in the *Monographs* does not imply that it is a carcinogen, only that the published data have been examined. Equally, the fact that an agent has not yet been evaluated in a monograph does not mean that it is not carcinogenic.

The evaluations of carcinogenic risk are made by international working groups of independent scientists and are qualitative in nature. No recommendation is given for regulation or legislation.

Anyone who is aware of published data that may alter the evaluation of the carcinogenic risk of an agent to humans is encouraged to make this information available to the Unit of Carcinogen Identification and Evaluation, International Agency for Research on Cancer, 150 cours Albert Thomas, 69372 Lyon Cedex 08, France, in order that the agent may be considered for re-evaluation by a future Working Group.

Although every effort is made to prepare the monographs as accurately as possible, mistakes may occur. Readers are requested to communicate any errors to the Unit of Carcinogen Identification and Evaluation, so that corrections can be reported in future volumes.