# ARC MONOGRAPHS

# CHEMICAL AGENTS AND RELATED OCCUPATIONS

# VOLUME 100 F A REVIEW OF HUMAN CARCINOGENS

This publication represents the views and expert opinions of an IARC Working Group on the Evaluation of Carcinogenic Risks to Humans, which met in Lyon, 20-27 October 2009

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IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS

International Agency for Research on Cancer



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<sup>&</sup>lt;sup>1</sup>Working Group Members and Invited Specialists serve in their individual capacities as scientists and not as representatives of their government or any organization with which they are affiliated. Affiliations are provided for identification purposes only. Invited specialists are marked by an asterisk.

Each participant was asked to disclose pertinent research, employment, and financial interests. Current financial interests and research and employment interests during the past 3 years or anticipated in the future are identified here. Minor pertinent interests are not listed and include stock valued at no more than US\$10 000 overall, grants that provide no more than 5% of the research budget of the expert's organization and that do not support the expert's research or position, and consulting or speaking on matters not before a court or government agency that does not exceed 2% of total professional time or compensation. All grants that support the expert's research or position and all consulting or speaking on matters before a court or government agency are listed as significant pertinent interests.

<sup>&</sup>lt;sup>2</sup> Dr Bond reviewed a draft report (on a chemical that is not being reviewed at this meeting) for the American Petroleum Institute, a trade association that represents corporations that produce and distribute some of the chemicals under review.

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<sup>&</sup>lt;sup>3</sup> Dr Goldstein serves as an expert witness in court cases involving benzene. Support for one position in a dispute generally poses a conflicting interest, however, Dr Goldstein lists similar numbers of cases on behalf of plaintiffs and corporate defendants, and for this reason IARC exceptionally regards this activity as not warranting a limitation on participation. Dr Goldstein also consulted with an insurance company to estimate the number of worker disability cases that will result from the World Trade Center attack.

<sup>&</sup>lt;sup>4</sup>Dr Groopman served on an advisory board for VICAM, which makes test kits for aflatoxins.

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<sup>&</sup>lt;sup>7</sup> Observer for Exxonmobil Corp, USA. Dr Bird's employer, ExxonMobil, produces several agents under review, including benzene, butadiene, isopropyl alcohol, acid mists containing sulfuric acid, mineral and shale oils, and benzo[*a*] pyrene as a product component.

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<sup>&</sup>lt;sup>11</sup> Private consultant. Dr Infante serves as an expert witness for plaintiffs in litigation involving benzene and vinyl chloride.

<sup>&</sup>lt;sup>12</sup>Observer for the International Institute of Synthetic Rubber Producers, USA. Dr Lewis's employer, ExxonMobil, produces several agents under review, including benzene, butadiene, isopropyl alcohol, acid mists containing sulfuric acid, mineral and shale oils, and benzo[*a*]pyrene as a product component.

<sup>&</sup>lt;sup>13</sup>Observer for the International Paint and Printing Ink Council, USA.

<sup>&</sup>lt;sup>14</sup>Observer for the American Chemistry Council, USA; the American Petroleum Institute, USA; CONCAWE, Belgium; and ECETOC, Belgium. In addition to employment with The Dow Chemical Company, Dr Swaen received funding for an epidemiologic study on ethylene oxide from the American Chemistry Council.

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Laurent Galichet's colleagues gratefully acknowledge his years of service in the *IARC Monographs* Programme, in particular his unrelenting efforts to modernize the production process of the *Monographs*. The new style and layout of the Volume 100 series are the fruits of these efforts. Laurent left the IARC in October 2011.