

ACC Contact Information

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American Chemistry Council

Ethylene Oxide/Ethylene Glycols

Panel

- Panel Review of Global Chronic Risk Assessment Issues for EO Commenced in 1998
- Continuous, But Intermittent, Dialogue with EPA, NIOSH, Health Canada, World Health Organization, and Others
- Panel Supported Research- Epidemiology Data, Adducts, Etc.

Chronic Risk Assessment Activities

- September 1998- Workshop Focusing on Regulatory Drivers for EO
- September 1999- Risk Assessment Initiated to Support IRIS Summary
- August 2000- Draft Risk Assessment Submitted to EPA
- February 2001- Supplemental Information Submitted to EPA
- 2003- Concise International Chemical Assessment Document (CICAD) Published- IPCS, CICAD #54
- July 2006- Tox Forum Review of Chronic Risk Assessment Issues

Panel Sponsored Risk Assessment Approach (2004)

- Use Human Epidemiology Data as Basis
- Manuscript Peer-Reviewed and Published in “Risk Analysis” 2004

Kirman, CR; Sweeney, LM; Teta, MJ; *et al.* (2004).
Addressing nonlinearity in the exposure-response relationship for a genotoxic carcinogen: cancer potency estimates for ethylene oxide. *Risk Anal* 24:1165-1183.

Panel Submissions on EPA Draft Risk Assessment

- Initial Comments Submitted- 12/08/2006
- Supplemental Comments Submitted- 1/08/2007
- Comments on Charge Questions Submitted 12/01/2006 and Discussed on 12/08/2006
- References Noted in 12/08/06 Comments Submitted on 12/21/06
- Panel Requests SAB Consideration of Its Comments on the Draft Risk Assessment and Charge Questions
- EPA's Risk Assessment Can Be Improved Scientifically- Epidemiology, Mode of Genotoxic Action, Quantitative Risk Assessment, Biostatistics

Panel Summary Comments on Draft Risk Assessment

- Best Available Science Should Be Used in the Risk Assessment
- Recognition Should Be Given That EO is Both a Weak Mutagen and Weak Animal Carcinogen
- EPA's Risk Estimates Are Not Realistic
- SAB Should Review Major Policy Issues Significantly Impacting the EPA Risk Assessment
- EPA Should Revise Draft Risk Assessment Considering Comments Submitted By All and Best Available Scientific Information

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