

Understanding the Health Risks of Lower Olefins

November 5th and 6th 2014

*Slides Prepared for the 2014 Symposium on Understanding the Health Risks
of Lower Olefins*



Understanding the Health Risks of Lower Olefins

- Welcome
- History
- 2014



Understanding the Health Risks of Lower Olefins

- History
 - 1st symposium in 1988: *Toxicology, Carcinogenesis, and Human Health Aspects of 1,3- Butadiene.*

Sponsors included: the National Institute of Environmental Health Sciences (NIEHS), the International Institute of Synthetic Rubber Producers (IISRP), the National Institute for Occupational Safety and Health (NIOSH), the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA), the Industrial Union Department (IUD), and the Chemical Manufacturers Association (CMA; now called the American Chemistry Council – ACC).



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- History

- 1st symposium in 1988: *Toxicology, Carcinogenesis, and Human Health Aspects of 1,3- Butadiene.*

Topics included: industrial emissions and occupational exposure, hazard identification (cancer and noncancer, animal studies and epidemiology), metabolism and mode of action, genetic toxicity and, finally, a session on risk assessment.



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- History

- Subsequent symposia in 1990, 2000, and 2005:

- Similar sponsors. Similar themes as in 1988, with the added dimension of growth as data driven scientific advances directed the discussion.

- Subsequent symposia also included discussion of health risks of other olefins chloroprene and isoprene.



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2014 Sponsors: IISRP, ACC Olefins Panel, TCEQ

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- 2014

- Olefins 1,3 butadiene and ethylene.

- Exposure and Bio-monitoring**

- Toxicology, Epidemiology and Risk Assessment of Butadiene**

- Toxicology and Risk Assessment of Ethylene**

