

U.S. Consumer Product Safety Commission

LOG OF MEETING

SUBJECT: Chronic Hazard Advisory Panel (CHAP) on Phthalates and Phthalate Substitutes

DATE: November 2-4, 2011

TIME: 9:00 a.m. to 5:00 p.m. on November 2 and November 3; 9:00 a.m. to 12:00 p.m. on November 4

PLACE: CPSC Headquarters

ENTRY SOURCE: Michael A. Babich, HSHS

COMMISSION REPRESENTATIVE: Michael Babich

CHAP Members: Philip Mirkes (Chair), Bernard Schwetz (Vice-Chair), Chris Gennings, Russ Hauser, Holger Koch, Andreas Kortenkamp.

NON CPSC REPRESENTATIVES: See attendee list.

SUMMARY:

This was the sixth meeting of the Chronic Hazard Advisory Panel (CHAP) on Phthalates and Phthalate Substitutes. Following introductions, Dr. Rebecca Clewell, the Hamner Institutes for Health Sciences, presented a new study on DINP. The presentation was requested by ExxonMobil. During a brief question and answer period, the CHAP members concluded that the new data on DINP are essentially in agreement with previously published studies, and that DINP is capable of inducing antiandrogenic effects in rats. Dr. Clewell concurred with the CHAP's conclusions.

The CHAP then heard presentations from two invited experts, Dr. Kim Boekelheide, Brown University, and Professor Richard Sharpe, University of Edinburgh. The presentations were followed by a general discussion by the CHAP members and the invited experts. The work presented by Dr. Boekelheide and Professor Sharpe suggests that humans and other primates may respond differently to phthalates than rats. However, they acknowledge that their studies are preliminary and have a number of limitations. For, example, they do not adequately cover the window of susceptibility in humans. The CHAP and the invited speakers agreed that studies in rats currently are the best available data for assessing human risk.

On the second day the CHAP began to discuss draft report sections. Staff from Versar presented their preliminary work on exposure scenarios that they are performing for the CHAP. On the final day, the CHAP began preliminary discussions on their recommendations. The meeting ended with a discussion of their work plan and future meetings. The CHAP will have a teleconference on Monday December 19, 2011. The CHAP will meet again on February 15-17, 2012. The final report is due to the Commission in April 2012.

Attachments:

- Agenda
- List of meeting attendees

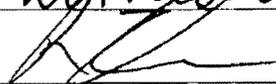
Supplemental Information is available at:

<http://www.cpsc.gov/about/cpsia/chap1111.html>

- Video recording of the meeting
- Presentation slides
- Information submitted to the CHAP

SIGN IN

CHAP / November 2, 2011

NAME	ORG
Angela Rollins	Exxon Mobil Chemical Co.
Patrick Harmon	BASF
Stew Risotto	ACC
ANN CLAASSEN	LATHAM + WATKINS
Sandra Kuchta	Health Canada
LYNN BERNDT-WEIS	HEALTH CANADA
Xabier Arzuaga	EPA
Rebecca Clewell	The Hamner Institutes
Tereille Walker	EPA
Ray David	BASF
Jay West	ACC
B Schwetz	CHAP
Sarah Garland	CPSC - EPHA
A Kortkamp	CHAP
	CHAP
KURT CARLSON	CPSC - HS
JEREMY JACOFF	Greenware
Dominique Johnson	CPSC
Suzanne Echevarria	Exxon Mobil Corp.

SIGN IN

CHAP / November 3, 2011

NAME	ORG
Ray David	BASF
Andreas Korfenkamp	CHAP
LYNN BERNDT-WELS	HEALTH CANADA
Sandra KUCHTA	Health Canada
Bill Rawsson	Latham + Watter's
Russ Hansen	CHAP
ANIMIE BAUMAN	EXXONMOBIL Biomedical Sci Inc.
cheye a dy	CPS
Angela Rollins	Exxon Mobil Chem Co.
Quin Dodel	Law Offices of Quin Dodel
Matt Lober	US EPA
PAN Ling	EOTTSI
SURJ DASGUPTA	VERSAR INC.
David Bottinuc	Versar
Pat WOOD	VERSAR INC

SIGN IN
CHAP / November 3, 2011

NAME	ORG
John Butala	FERRO
Suzanne Echeverria	Exxon Mobil

SIGN IN

CHAP / November 4, 2011

NAME	ORG
Sandra Kuchta	Health Canada
LYNN BERNDT-WEIS	HEALTH CANADA
<i>A. J.</i>	CHAP
<i>W. J. ...</i>	<i>From CHAP</i>
<i>Quir Dadd</i>	Law OFFICES of Quir Dadd
Angela Rollins	Exxon Mobil Chem Co
<i>Jill Rawson</i>	Cattle + Wetlands



**Chronic Hazard Advisory Panel on Phthalates and Phthalate Substitutes
November 2-4, 2011**

Wednesday November 2, 2011

- 9:00 a.m. **Welcome and Introduction**
Philip E. Mirkes, PhD, Chair
Bernard Schwetz, DVM, PhD, Vice-Chair
CHAP on Phthalates and Phthalate Substitutes
- 9:10 a.m. **Presentation Requested by ExxonMobil**
Rebecca Clewell, PhD,
The Hamner Institutes for Health Sciences
“DiNP Dose-Response Studies”
- 9:30 a.m. **Invited Experts**

Kim Boekelheide, MD, PhD
Brown University
“Phthalate-Induced Discordant (Endocrine Disruption) and Concordant
(Multinucleated Germ Cells) Effects Across Species Following Fetal
Exposure”
- BREAK
- Professor Richard M. Sharpe, FRSE
MRC/University of Edinburgh Centre for Reproductive Health
The Queen’s Medical Research Institute
Edinburgh, UK
“Phthalate effects on the fetal testis: mechanisms and species and age-
dependent variation”
- 12:00 p.m. LUNCH
- 1:00 p.m. **Discussion with Invited Experts**
- 2:30 p.m. BREAK

**Chronic Hazard Advisory Panel on Phthalates and Phthalate Substitutes
November 2-4, 2011**

Wednesday, November 2, 2011 (continued)

- 2:45 p.m. **CHAP Deliberations**
- Animal Toxicity
Bernard Schwetz, DVM, PhD
- Developmental Toxicity
Phillip Mirkes, PhD
- 5:00 p.m. Adjourn

Thursday, November 3, 2011

- 9:00 a.m. **Welcome and Introductions**
Philip E. Mirkes, PhD, Chair
Bernard Schwetz, DVM, PhD, Vice-Chair
CHAP on Phthalates and Phthalate Substitutes
- 9:15 a.m. **CHAP Deliberations**
- Epidemiology
Russ Hauser, MD, ScD, MPH
- Risk Assessment of Mixtures
Andreas Kortenkamp, PhD
- Biomonitoring Approach
Chris Gennings, PhD; Holger Koch, PhD
- 12:00 p.m. Lunch
- 1:00 p.m. **CHAP Deliberations (continued)**
- Exposure Scenarios
Paul Liroy, PhD; Surajit Dasgupta, Versar
- 5:00 p.m. Adjourn

**Chronic Hazard Advisory Panel on Phthalates and Phthalate Substitutes
November 2-4, 2011**

Friday, November 4, 2011

- 9:00 a.m. **Welcome and Introductions**
Philip E. Mirkes, PhD, Chair
Bernard Schwetz, DVM, PhD, Vice-Chair
CHAP on Phthalates and Phthalate Substitutes
- 9:15 a.m. **CHAP Deliberations**
- 12:00 p.m. Lunch
- 1:00 p.m. **CHAP Deliberations (continued)**
- 2:00 p.m. Adjourn