

U.S. Consumer Product Safety Commission (CPSC)
Log of Meeting (Public)

SUBJECT: Public Meeting with US Environmental Protection Agency (EPA) officials and members of the American Chemical Council (ACC), Biocide Panel and CPSC Laboratory staff to review the test methods that were developed several years ago by CPSC staff to assess the migration of chemicals from mattress, wood decking, and upholstered furniture materials

PLACE: CPSC Laboratory in Gaithersburg, MD

DATE: Jan 31, 2011

PARTICIPANTS: Listed on attached page

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SUMMARY: CPSC staff discussed chemical migration test methods that have been used at the CPSC laboratory to assess the migration of chemicals from mattress, wood decking, and upholstered furniture materials. The outline of discussed items is as follows:

I. Migration of Flame Retardant Chemicals in Upholstered Furniture Foam, 2005 Study

- A. Chemicals
- B. Migration Tests, Surface Migration
- C. Migration Test, Airborne
- D. Off-gassing from foams

II. Durability of Flame Retardant Chemicals in Mattress Barriers After Repeated Insults with Synthetic Urine, 2005 Study

- A. Chemicals
- B. Migration Tests

III. Migration of Flame Retardant Chemicals in Mattress Barriers, 2005 Study

- A. Chemicals
- B. Migration test- Head over Heels
- C. Migration Test- Surface migration to filter paper to assess potential exposure by skin contact.
- D. Additional surface migration tests
- E. Airborne Migration
- F. Aging

IV. CCA in Pressure Treated Wood

- A. Chemicals
- B. Migration Test – Surface Migration to wipe to simulate hand to mouth exposure.

V. Wipe Testing on Children's Products

- A. Migration tests - Prior to 2008 CPSIA for lead
- B. Post CPSIA - other hazardous chemicals like cadmium

VI. Migration Study of FRC from Children's Sleepwear, 1999

- A. Chemicals
- B. Migration, Laundering
- C. Migration, simulated chewing
- D. Migration, simulated urine

Participants were interested in the specific reports referenced during the discussion. On the following page is a listing of the reports (with internet links) referenced/discussed during the meeting.

Reports detailing CPSC chemical migration studies can be found at:

Chronic Hazard Guidelines: <http://www.cpsc.gov/BUSINFO/chronic.pdf>

Indoor Air Quality (IAQ): <http://www.cpsc.gov/CPSCPUB/PUBS/iaq.html>

Phthalates

1985 DEHP CHAP report: <http://www.cpsc.gov/LIBRARY/FOIA/Foia00/os/os.html>

2001 CHAP report on DINP: <http://www.cpsc.gov/library/foia/foia01/os/dinp.pdf>

September 2002 briefing package: <http://www.cpsc.gov/library/foia/foia02/brief/briefing.html>

Petition Requesting Ban of Use of PVC in Products – Intended for Children Five Years of Age
Chronic Hazard Advisory Panel (CHAP) report TAB E

Mouthing study TAB's F and G

Migration study TAB I

Probabilistic analysis TAB K

Risk assessment TAB L

Mouthing Study

Main study (Tab F) is from part 1 (p. 58) to part 4 (p. 13).

Analysis of mouthing times (TAB G) is from part 4 (p. 14 to p. 41)

Exposure assessment (TAB H) is from part 4 (p. 42 to 48).

2010 CHAP Meetings: <http://www.cpsc.gov/about/cpsia/chap0710.html>

Upholstered Furniture

December 2006 briefing package: <http://www.cpsc.gov/library/foia/foia07/brief/briefing.html>

Status Report: Peer Reviewed CPSC Staff Research Reports on Upholstered Furniture Flammability.

Risk assessment of FR chemicals in furniture foam (Part 2)

January 2006 briefing package: <http://www.cpsc.gov/library/foia/foia06/brief/briefing.html>

Briefing Package: Status Update on Regulatory Options for Upholstered Furniture Flammability

DRAFT risk assessment of FR chemicals in furniture foam (TAB F part 1)

FR chemical migration studies (TAB F part 2):

October 2001 briefing package: <http://www.cpsc.gov/library/foia/foia02/brief/briefing.html>

Options to Address Small Open Flame Ignition of Upholstered Furniture; October 30, 2001.

Risk assessment and related memo's in parts 9-12 (TABs G and H).

Mattresses

January 2006 briefing package: <http://www.cpsc.gov/library/foia/foia06/brief/briefing.html>

Final Rule for the Flammability (Open Flame) of Mattress Sets.

Risk assessment of FR chemicals in mattresses (TAB D)

Response to comments (TAB D)

FR chemical migration studies (TAB B and TAB H)

November 2004 briefing package:

<http://www.cpsc.gov/library/foia/foia05/brief/briefing.html>

Open Flame Flammability Standards for Mattresses, Mattress and Foundation Sets, and Bedclothes,
November 1, 2004.

Risk assessment on FR chemicals in mattresses (TAB F)

**EPA - ACC Biocides Panel Tour
Jan 31, 2011**

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