

## Mineral oils in food packaging – developments and solutions

In food packaging made of recycled carton, mineral oil fractions have been detected which also migrate into the packaged foods. BfR discussed this issue thoroughly already in 2010 at the 9th BfR Consumer Protection Forum. "Mineral oils in food packaging – developments and solutions" refers to that Forum and deals with the new developments and findings from a toxicological, analytical and technological point of view.

The event is divided in two parts. At the meeting on 22 September 2011 new findings are presented under the angle of toxicology and current technological solutions to reduce the mineral oil contamination of recycled paper fibres and for the minimisation of the migrations of mineral oil fractions to foods, together with positions and views of the various stakeholders. The seminar on 23 September 2011 focuses on the challenges in the field of instrumental analytics. The currently available techniques are presented in detail, including trouble-shooting and problem solving.

## Conference Thursday, 22 September 2011

10:00 – 10:10 hrs

### Welcome

*PD. Dr. Dr. Andreas Luch, Head of Department "Safety of Consumer Products", BfR*

10:10 – 10:15 hrs

### Introduction

*Dipl.-Ing. Christa Friedl, freelance journalist*

## Current status of problem analysis

10:15 – 10:45 hrs

### Current status from a toxicological point of view

*PD Dr. Detlef Wölfle and Dr. Nicole Hellwig, BfR*

10:45 -11:15 hrs

### Results from the decision aid project of the Federal Ministry for Food, Agriculture and Consumer Protection

*Antje Harling, Chemical and Veterinary Surveillance Office Stuttgart*

11:15 – 11:45 hrs Coffee break

## Solutions

11:45 - 12:15 hrs

### Activities to reduce mineral oil migration from recycled fibres

*Martin Mühlhauser, Mayr-Melnhof Karton AG*

12:15 – 12:45 hrs

### Solutions from the printing ink industry

*Dr. Erich Frank, Flint Group for German Association of the Coatings and Printing Ink industry (VdL)*

12:45 -14:00 hrs Lunch break

14:00 – 14:30 hrs

### Barrier effect of selected plastic materials concerning the migration of mineral oil fractions to foods

*Heiko Diehl, BASF*

14:30 – 15:00 hrs

### Permeation measurements to test the functionality of barrier layers

*Frank Welle, Fraunhofer Institute for Process Engineering and Packaging IVV*

## Positions

15:00 – 15:10 hrs

### Position of the newspaper industry

*Volker Hotop, German Newspaper Publishers Federation (BDZV)*

15:10 – 15:20 hrs

### Paper industry position

*Dr. Reinhardt Thiel, Association of German Paper Mills (VdP)*

15:20 – 15:50 hrs Coffee break

15:50 - 16:00 hrs

### Food industry position

*Dr. Sieglinde Stähle, Confederation for Food Law and Food Sciences (BLL)*

16:00 -16:10 hrs

### Federal Environmental Agency position

*Bernd Krause, Federal Environmental Agency*

16:10 – 16:20 hrs

### Consumer protection agency position

*Monika Büning, Confederation of Consumer Protection Agencies (VZBV)*

16:20 – 17:20 hrs

### Discussion

- *PD. Dr. Dr. Andreas Luch, BfR*
- *Volker Hotop, BDZV*
- *Dr. Sieglinde Stähle, BLL*
- *Monika Büning, VZBV*
- *Dr. Reinhardt Thiel, VDP*
- *Dr. Erich Frank, Flint Group (for VdL)*
- *Bernd Krause, UBA*

17:20 hrs

### Closing remarks

*PD Dr. Dr. Andreas Luch, Head of Department "Safety of Consumer Products", BfR*

17:30 hrs **End of the first day**

## Seminar Friday, 23 September 2011

9:00 – 9:15 hrs

### Welcome and introduction

*Dr. Karla Pfaff, BfR*

9:15 – 10:00 hrs

### Introduction to the topic

*Dr. Konrad Grob, Kanton Laboratory Zurich*

10:00 – 11:00 hrs

### Analytical method 1: Online HPLC-GC

*Maurus Biedermann, Cantonal Laboratory Zurich*

11:00 – 11:30 hrs *Coffee break*

11:30 – 12:45 hrs

### Analytical method 2: Offline LC-GC, manual method

*Dr. Christoph Hutzler, BfR*

12:45 – 13:45 hrs *Lunch break*

13:45 – 14:45 hrs

### Analytical method 3: Gas chromatograms of different mineral oils

*Dr. Konrad Grob, Cantonal Laboratory Zurich*

14:45 – 15:15 hrs

### Closing discussion

#### Practical tips and suggestions

- *Dr. Karla Pfaff, BfR*
- *Dr. Christoph Hutzler, BfR*
- *Dr. Konrad Grob, Cantonal Laboratory Zurich*
- *Hr. Biedermann, Cantonal Laboratory Zurich*

15:15 hrs

### Closing remarks

*Dr. Karla Pfaff, BfR*

15:30 hrs **End of the second day**

### Organiser:

Federal Institute for Risk Assessment

### Venue:

Federal Institute for Risk Assessment  
Marienfelde Site, Auditorium  
Diedersdorfer Weg 1, 12277 Berlin

### Registration:

The meeting on 22 September 2011 is open to the public.

The seminar on 23 September 2011 is intended for representatives of regional laboratories, state laboratories from the EU and EU Member States, free laboratories and industry laboratories.

The seminar takes place in English. On both days simultaneous translation will be available from German to English and English to German.

Please register by 31 August 2011 using the online form under the menu item "Events":

[www.bfr.bund.de](http://www.bfr.bund.de)

Or write to us stating your name and your address under the reference MINERAL OILS IN FOODS:

Fax 030 – 18412 2984

E-Mail [veranstaltungen@bfr.bund.de](mailto:veranstaltungen@bfr.bund.de)

### Directions:



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Conference  
22 September 2011

Seminar  
23 September 2011

FEDERAL INSTITUTE FOR RISK ASSESSMENT