

Biocides in Synthetic Materials 2010

2nd International Conference

28 - 29 September 2010, Berlin, Germany



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In recent years, greater awareness of the dangers of bacterial growth and food-borne pathogens, global concerns over hospital acquired infections and conditions such as the so-called "sick building syndrome" have boosted the consumption of biocides on a global scale.

Nowadays consumer demand dictates that biocides are regularly used in materials such as plastics, textiles and surface coatings to prevent microbial deterioration, enhance function and provide hygienic effects. However, regulatory pressure has also become a driving factor for the overall specialty biocides market in Europe. Product replacement and switching is now widespread due to the impact of the Biocidal Products Directive (BPD) and REACH which both present major challenges for suppliers of biocides and formulators of treated articles - namely the rationalisation of many product lines and the removal of a large number of active ingredients from the market.

Both the increased consumer demand for products with hygienic benefits and improved performance and the changing regulatory landscape have led to the formulation of many new biocidal blends. With this in mind iSmithers is bringing the second international conference on **Biocides in Synthetic Materials** to Berlin in 2010.

The conference will feature case studies from key industry players Syngenta AG, The Dow Chemical Company, Ciba Vision Corporation, Sanitized AG and DuPont Teijin Films as well as representation from BAM, The Office for the Registration of Medicinal Products, Medical Devices & Biocidal Products in Poland and the Federal Institute for Risk Assessment in Germany. Papers will provide insight into many key developments and solutions to the key issues of the biocides sector; these will include:

- Proposed changes in the regulation of biocides in the EU and their impact
- The use of reactive silane chemistries to provide durable, non-leaching antimicrobial surfaces
- Formaldehyde releasers as an example of in situ generated active substances
- The use of novel, nano-lime dispersions to modify the susceptibility of materials to microbial growth
- Antimicrobial technologies for contact lenses and contact lens cases

Conference Language

Please note that the conference will be conducted in English.

Conference Venue

Steigenberger Hotel Berlin, Los-Angeles-Platz, Berlin 10789, Germany. Telephone: +49 30 21 27 0, Fax: +49 30 21 27 0. Email: berlin@steigenberger.de Website: www.berlin.steigenberger.de

The Steigenberger Hotel Berlin is only a stone's throw away from the famous Ku'Damm and Berlin's trademark, the significant Gedächtniskirche (Memorial Church), lies conspicuously opposite on the Tauentzien. Right next to the hotel there are numerous bars, restaurants and shops to bustle through. You can also quickly reach the large exhibition grounds or the Olympic Stadium in the west of the city. Start an extensive discovery tour through the exciting metropolis by day or by night directly from the hotel doorstep.

Accommodation

We are holding a number of rooms at the Steigenberger Hotel Berlin at a specially negotiated rate. Accommodation booking forms will be sent with your joining instructions on receipt of your completed conference registration form.

For further assistance please contact conferences@ismithers.net

Early Registration Offers

Register before 20 July 2010 to take advantage of the special Early Bird Discount registration fee.

Companies sending one or two delegates

€799 + VAT @19% per delegate before 20 July 2010
€1099 + VAT @19% per delegate after 20 July 2010

Companies sending three or more delegates

€699 + VAT @19% per delegate before 20 July 2010
€999 + VAT @19% per delegate after 20 July 2010

Registration includes a copy of the proceedings, lunches and refreshments during the day. The cost of accommodation is not included in the delegate registration fee.

Sponsorship & Exhibition

A limited number of cost effective sponsorship opportunities are available to maximise your corporate profile at this important event. For further information please contact Alix Reeves, areeves@ismithers.net.

iSmithers has been organising world class technical conferences for the polymer and related industries for over 30 years. Drawing authorities from industry and academia, conferences offer the ideal forum to hear original, pioneering technical papers and meet and exchange ideas with like-minded peers from across the world. With topics spanning the latest developments in rubber and plastics technology, legislative changes and market trends, iSmithers conferences continue to attract over 1,200 senior technical executives and decision makers per year.

Conference Agenda

Tuesday 28 September

08.30 COFFEE AND REGISTRATION

09.25 Welcome and Introduction to Biocides in Synthetic Materials 2010

Session 1: Challenges for the Use of Biocides for Synthetic Materials

09.30 Keynote Presentation - Biocides in synthetic materials: what do they need to do?

Dr Ina Stephan, BAM, Germany

10.15 Proposed changes to the regulation of biocides and their potential impact

Geoff Wilson, Consultant, UK

10.45 COFFEE

11.15 Surface biocides for food contact applications

Rachida Semail, Keller & Heckman LLP, Belgium

11.45 Dietary risk assessment of biocides - assessing exposure of livestock animals to biocides

Isabel Günther, Bundesinstitut für Risikobewertung (Federal Institute for Risk Assessment), Germany

12.15 Formaldehyde releasers as an example of in situ generation of active substances

Dr Sylwester Huszał, Office for Registration of Medicinal Products, Medical Devices and Biocidal Products, Poland

12.45 LUNCH

Session 2: Real World Challenges and Novel Approaches

14.00 Bioaerosols as part of the "sick building syndrome" and "building related illness": two case studies

Prof Carlos A Rocha & R J Silva, Simón Bolívar University & E A Monzón & J Alfonzo, Electricidad de Caracas, Venezuela

14.30 Fungal colonisation of cinematic film: implications for film archivists

Gavin Bingley, Manchester Metropolitan University, UK

15.00 COFFEE

15.30 The use of novel, nano-lime dispersions to modify the susceptibility of materials to microbial growth

Gerald Ziegenbalg, IBZ-Salzchemie GmbH, Germany

16.00 Designing novel antimicrobial surfaces, polymers and hydrogels

Prof Ayusman Sen, The Pennsylvania State University, USA

16.30 New active ingredient strategies to control fungal growth on surfaces

Alex Cornish, Syngenta Crop Protection AG, Switzerland

17.00 END OF DAY ONE

18.30 EVENING DRINKS RECEPTION

Wednesday 29 September

08.00 COFFEE

Session 3: Functional Modification of Synthetic Materials to Achieve Effects in Textiles and Medical Devices

08.30 Relating function to claims for antimicrobial properties in textile applications

Pete Askew, IMSL, UK

09.00 Antimicrobial textile effects

Dr Heinz Katzenmeier, Sanitized AG, Switzerland

09.30 A durable, light and heat stable and easy-to-use antimicrobial product for textiles and non-wovens

Dr Tirthankar Ghosh, The Dow Chemical Company, USA

10.00 The control of odour in sports and fashion wear

Mike Sweet, Polygiene AB, Sweden

10.30 COFFEE

11.00 Applications for silver in textiles and medical devices

Peter Steinrücke, BioGate, Germany

11.30 Antimicrobial technologies for contact lenses and contact lens cases

Dr Manal M Gabriel, Ciba Vision Corporation, USA

Session 4: Functional Modification of Synthetic Materials to Achieve Effects on Non-Porous Surfaces

12.00 Considerations in the design and development of an antimicrobial delivery system

Paul Lawrence, DuPont Teijin Films, UK

12.30 Factors affecting biocide compatibility and performance in PVC during processing and product lifetime

Dean Nichols, Akcros Chemicals Ltd, UK

13.00 LUNCH

13.45 The use of reactive silane chemistries to provide durable, non-leaching antimicrobial surfaces

Bob Monticello, Aegis Environments, USA

14.15 Encapsulation of biocides in silica particles

Anne Louise Nielsen, Teknologisk Institut, Denmark

14.45 New high-performance inorganic biocide for bacteria and fungi control in polymer systems and applications

Dr.-Ing. Tapio Harmia, Trovotech GmbH, Germany

15.15 COFFEE AND CLOSE OF CONFERENCE

Please note: The conference organisers reserve the right to modify or change the above programme if necessary.



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