

Here is a review of science publications from Euro Chlor in 2007. There are links to download them directly from *Chlorine Online*. If, however, you wish to receive hard copies, please e-mail your request to eurochlor@cefic.be.

OVERVIEW OF 2007 SCIENCE COMMUNICATIONS

.....

.....

- [Science Dossier](#) :

'Pentachlorobenzene - sources, environmental fate and risk characterization' appeared in 2007. This [report](#) by Dr. Bob Bailey presents a comprehensive overview of currently available information on this substance. The physical-chemical properties important for the environmental fate are presented, covering degradation, bioaccumulation and the distribution in environmental compartments. There are no uses of PeCB known at present and an extensive inventory of current emission sources demonstrates that combustion is the major contributor. A summary of measured concentrations and trends in various environmental compartments, including biota, is presented, as well as a summary of ecotoxicity data and an overall summary. The SD played already an important role in the activities on POPs under UNEP (Stockholm Convention) and UNECE LRTAP where pentachlorobenzene is being discussed.

Also in 2007 a new Science Dossier was published on 'Biodegradability of Chlorinated Aromatic Compounds', written by Prof Jim Field and Dr Reyes Sierra-Alvarez from the University of Arizona. This [report](#) with [annexes](#) completes the review of biodegradation of organochlorines, complementing [part 1](#) on biodegradation of chlorinated solvents and related aliphatics which appeared in 2004 and has been published by Prof. Field and collaborators in parts in various peer-reviewed journals.

- [FOCS](#) (Focus on Chlorine Science).

This is a series initiated in 2005 to succeed Key Science Information Sheets ([KSIS](#)). It covers science issues aiming to clarify in a relatively simple way research in the field of chlorine chemistry. Unfortunately no new FOCS could be published in 2007, but new publications are planned for 2008. Popular titles of KSIS publications are '[POPs/PBTs](#)' and '[Bioaccumulation](#)'. Often used FOCS are those on '[Chlorination by-products](#)' and '[Risk assessment and cycling of natural organochlorines](#)' (SETAC special symposium report).

- Workshop on asthma and swimming pool chlorination

Euro Chlor organised a meeting in Leuven, Belgium, in August 2007 of scientists and medical specialists who discussed and reviewed the scientific literature of possible links between chlorinated indoor swimming pools and childhood asthma. The objective was to develop a consensus on current knowledge and which studies should be conducted to provide definitive evidence of any negative health effects resulting from exposure to chloramines. The results will be published in the course of 2008, for further information contact Veronique Garny (vga@cefic.be).

- University Outreach Programme

In the context of Euro Chlor's 'University Outreach Programme Dr. Dolf van Wijk gave a presentation at the University of Gent in April hosted by Prof. Colin Janssen (Laboratory of Environmental Toxicology and Aquatic Ecology). This Programme aims to inform advanced students and University staff on Euro Chlor science activities in general and on a specific chlorine-related science topic. In this particular case the regulatory and scientific aspects of POPs (persistent organic pollutants) under the Stockholm Convention were presented. For further information on this programme please contact D van Wijk at dvw@cefic.be.

- SETAC Europe Congress Warsaw May 2008

Euro Chlor supports SETAC Europe as a sustaining member and will have a booth at the Annual Congress in Warsaw, Poland, 25-29 May 2008. If you happen to be there, feel free to pay us a visit for information on 'chlorine chemistry' or to pick up some of our science material.

Euro Chlor Science Department

February 6, 2008