



DIE AKADEMIE  
FRESENIUS

INTERNATIONAL FRESENIUS CONFERENCE

# IMPLEMENTING THE GHS

GLOBALLY HARMONISED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

30 TO 31 OCTOBER 2006

COLOGNE/GERMANY

## HIGHLIGHTS:

- Current developments on the GHS implementation – **view from the European Commission**
- **Building block approach**
- GHS interacting with **REACH**
- **Classification criteria for substances and mixtures:** physical, health and environmental hazards
- **Hazard communication** – requirements for safety data sheets and labels
- GHS and the **impact on industry**
- GHS in the **transportation area**
- Impact of the GHS on **downstream legislation:** worker protection, consumer products, Seveso
- **US view** of implementation



## SPEAKERS:

**Reiner Arndt** Federal Institute for Occupational Safety and Health | **Simon Beekhuizen** (formerly) Bayer | **Sergio Benassai** Italian Agency for Environmental Protection and Technical Services | **Wolf-Rüdiger Bias** BASF | **Uwe Brekau** Bayer | **Watzke de Wolf** DuPont Coordination Center | **Peter J. Donnelly** (formerly) Akzo Nobel | **Natascha Erlach** BASF | **Helmut Fleig** (formerly) BASF | **Robin Foster** Health and Safety Executive | **Uta Jensen-Korte** European Commission | **Anja Klauk** European Commission | **Richard Luit** National Institute for Public Health and the Environment | **Karin Merkl** Merck | **Bob Warner** Chemwise Associates | **Cordula Wilrich** Federal Institute for Materials Research and Testing | and others

▣ **EU REGULATION PROPOSAL IS SET TO BE PUBLISHED THIS AUTUMN**

# THE PROGRAM

MONDAY, 30 OCTOBER 2006

## 8.45 Refreshments

## 9.30 Welcoming speech by

**Andreas Zumdick**, Head of Competence Center, SGS Institut Fresenius GmbH, Taunusstein/Germany

and the chairman

**Wolf-Rüdiger Bias**, Vice President of Regulatory Affairs & Product Safety and Chemicals, BASF AG, Ludwigshafen/Germany

## European policy and practice

### 9.40 Implementation of the GHS in Community

- GHS in the global context
- REACH interface with classification and labelling
- GHS EU implementation issues
- GHS Analysis of impacts
- GHS implementation in other countries

**Uta Jensen-Korte**, Administrator, Chemical Expert, REACH Unit, DG Enterprise and Industry, European Commission, Brussels/Belgium

### 10.10 The GHS and its interrelations with REACH and other legislation

- Classification within the REACH legislative package and changes that will be needed to accommodate the GHS
- Importance of how the options available within the GHS are chosen
- Importance of the timing of the enactment of the GHS
- A quick outline of downstream legislative effects

**Peter J. Donnelly**, consultant, (formerly) Akzo Nobel and (former) chair of the CEFIC team dealing with classification issues

### 10.40 The challenge of GHS introduction in the EU

- The problems facing regulators and business
- Transition arrangements – how to ease the burden
- Timetables – alignment with REACH
- The downstream problem
- Expert resources – are there enough?

- How can small business cope?

**Bob Warner**, Principal, Chemwise Associates, Oxford/UK

### 11.10 Panel discussion

### 11.40 Coffee break

## Physical, health and environmental hazards: Classification criteria for substances

### 12.10 GHS – physical hazards

- Short outline of the development of criteria for the classification of physical hazards
- Overview of hazard classes and categories and the respective classification criteria for physical hazards
- Outline of open aspects which are currently under discussion especially regarding explosive properties and chemically unstable gases

**Cordula Wilrich**, Head of Working Group "Plant Safety: Acetylene", Federal Institute for Materials Research and Testing (BAM), Berlin/Germany

### 12.40 GHS - Classification of substances with regard to impacts to the human health

- Principles in health hazard classification
- Agreements and ongoing discussions in health hazard classification
- Changes with regard to the current system

**Natascha Erlach**, Regulatory Toxicology Chemicals, BASF AG, Ludwigshafen/Germany

### 13.10 Panel discussion

### 13.30 Lunch

### 15.00 GHS for beginners – environmental hazards

- Acute toxicity
- Chronic toxicity
- Differences with EU 67/548/EEC

**Watzke de Wolf**, Director Health & Environmental Sciences – Europe, DuPont Coordination Center, Mechelen/Belgium

## Hazard communication

### 15.30 Hazard communication, labelling and Safety Data Sheet

- Key issues: symbols – signal words – hazard statements – pre cautionary statements
- Safety Data Sheet: format and content

**Karin Merkl**, EHSQ/EHS Product Information, Merck KGaA, Darmstadt/Germany

### 16.00 Panel discussion

### 16.20 Coffee break

## Health and environmental hazards: Classification criteria for mixtures

### 16.50 General and specific features with respect to the classification criteria for health hazards mixtures in the GHS

- Why and where the harmonized system is more comprehensive and stringent
- In which issues and why a full harmonization is not yet reached
- Major differences
- Conclusion

**Helmut Fleig**, consultant, (formerly) BASF AG, Ludwigshafen/Germany

### 17.20 Environmental classification and labelling of mixtures

**Richard Luit**, Project coordinator existing substances, Risk Assessor, National Institute for Public Health and the Environment (RIVM), Bilthoven/The Netherlands

### 17.50 Panel discussion

### 18.30 Summary by the chairman and end of the first day

After the first conference day has ended, Akademie Fresenius would like to invite the participants to a leisurely evening in the restaurant and Private Brewery Sion – enjoy the original beer specialities and the opportunity for talks and discussions with speakers and participants.

9.00 **Welcoming speech by the chairman**

**Reiner Arndt**, Head of Division "Safety and Health regarding Chemical and Biological Agents", Federal Institute for Occupational Safety and Health (BAuA), Dortmund/Germany

**Impact of the GHS**

9.10 **GHS – The impact on industry**

- Industry involvement in GHS development
- The global aspect of harmonisation
- Interlocking of GHS with community and German legislation
- Mixtures in GHS – a special challenge with regard to downstream legislation
- Timeline of implementation

**Uwe Brekau**, Senior Manager International Chemicals Policy, Bayer AG, Leverkusen/Germany

9.40 **GHS in the transportation area**

**Sergio Benassai**, Italian Agency for Environmental Protection and Technical Services (APAT), Rome/Italy and Chairman of the United Nations Committee of Experts on the Transport of Dangerous Goods

10.10 **Panel discussion**

10.30 **Coffee break**

11.00 **Impact of the GHS on downstream legislation – focus on worker protection**

- Interfaces between GHS and worker safety and health
- Interfaces with REACH
- Impact on worker safety and health – legal and practical

**Robin Foster**, Head, International Chemicals Unit, Health & Safety Executive (HSE), London/UK

11.30 **Potential consequences of the GHS-implementing regulation for EU acts relating to consumer products**

- Award of the EU eco-label
- Cosmetic products, toys, biocides, waste

**Anja Klauk**, Desk Officer GHS, DG Enterprise & Industry, European Commission, Brussels/Belgium

12.00 **Necessity of implementing GHS criteria in major accident hazards Directive 96/82/EC (Seveso II)?**

- Aims and goals of Seveso-Directive and GHS
- Comparison of the relevant criteria
- Additional criteria used in the Seveso II-Directive
- Necessity of implementing/not implementing GHS criteria

**Simon Beekhuizen**, (formerly) Governmental and Product Affairs, Bayer AG, Leverkusen/Germany

12.30 **Future development in the GHS – a US perspective**

**Mike Thelen**, Product Safety and Regulatory Affairs, Dow Corning Corporation, Midland/USA

13.00 **Panel discussion**

13.40 **Summary by the chairman**

Approx 14.15

**Lunch and end of the conference**

**Reiner Arndt** is Head of Division



„Safety and Health regarding Chemical and Biological Agents“ at the BAuA, Dortmund/Germany, since 2001. From 1982 to 1998 he was responsible for the Notification Unit according to the Chemicals Act and 1999 to 2000 for the Department „Dangerous Substances, Assessment Office ChemG“.

**Simon Beekhuizen** started his



career at Bayer, Leverkusen/Germany, in 1971. He worked for the Environmental Department and for the Corporate Center. He presented Bayer and the chemical industry in a lot of external committees, e.g. in the Working Group on classification and labelling (EU/ECB at Ispra).

**Sergio Benassai** is working for the



Italian Agency for Environmental Protection and Technical Services (APAT), Rome/Italy, and is Chairman of the United Nations Committee of Experts on the Transport of Dangerous Goods.

**Wolf-Rüdiger Bias** is Vice Pre-



sident of Regulatory Affairs & Product Safety and Chemicals at BASF AG, Ludwigshafen/Germany, since 2002. He joined BASF in 1981. Former responsibilities encompassed e.g. the development of methodologies for the chemicals law, various risk assessment programmes.

**Uwe Brekau** is working in Bayer's



Corporate Center where he is Senior Manager of International Chemicals Policy. He is chairing the GHS working group in VCI, is member in the respective working groups in BDI and Cefic. He is as well member of the BIAC chemicals committee.

**Announcement**

**7<sup>th</sup> Fresenius Conference**

**The Biocidal Products Directive**

**30 November/1 December 2006**  
**Bonn near Cologne/Germany**  
**(conference language is German)**

# XPERTS

**Watze de Wolf** is heading DuPont's



Human and Environmental Science activities in Europe. In addition, he advises the five growth platforms and businesses of DuPont on REACH implementation matters. He is president of SE-TAC and member of the ECETOC Scientific Committee.

**Peter J. Donnelly** has been involved in regulatory issues within the chemicals industry since 1970. This has included work in the CIA and the Cefic, including interactions with the European Commission.

**Natascha Erlach** has been employee of BASF AG, Ludwigshafen/Germany, since 2005. Since then she is responsible for the coordination of REACH Implementation Projects and for classification and labelling and GHS activities.



**Helmut Fleig** worked in the field of product safety-toxicology at BASF, Ludwigshafen/Germany, until 2005. He has taken part in the EU classification process since 1980 and in the GHS development since 1994 in respective national and international fora.



**Robin Foster** is Head of the HSE's International Chemicals Unit, London/UK. He joined HSE as an Inspector and after 12 years he moved into HSE's Policy Group.



**Uta Jensen-Korte** is working with the European Commission, DG Enterprise and Industry, in the REACH Unit since 2004. Her current responsibilities are to co-ordinate the implementation of the GHS. In 1983, she started her career with Bayer AG. At the beginning of 1997, she joined Cefic.



**Anja Klauk** is Desk Officer in DG Enterprise at the European Commission, Brussels/Belgium. She is working on issues related to GHS implementation in the EU.

**Richard Luit** is working as Project-coordinator "Existing Substance" and Risk Assessor at the RIVM, Bilthoven/The Netherlands. He has 10 years experience in environmental toxicology and integrated risk assessment. He is currently member of the Commission working group for classification and labelling (environment).



**Karin Merkl** is working as lobby-worker within the scope of product safety and information at the Merck KGaA, Darmstadt/Germany.

Since 1986 she has been responsible for classification and labelling of all Merck chemicals. Besides she is head of the working group "Gefahrstoffinformation" at the VCI.

**Mike Thelen** is working for Dow Corning Corporation, Midland/USA, in the area of product safety and regulatory affairs. He is chairman of the American Chemistry Council GHS Implementation Group.

**Bob Warner** has led the UK delegations to EU Working Groups on Classification and Labelling for nearly 20 years. Since retiring in 2005 he has continued to work in the field of REACH and GHS including e.g. assistance to the European Commission.

**Cordula Wilrich** is working for the BAM, Berlin/Germany, since 2000 where she is responsible for the working group "Plant Safety: Acetylene" and for the coordination and support of BAM's work relating to the classification of physical hazards under the GHS.



**Andreas Zumdick** is Head of the Competence Centre Agro and the GLP test facility at SGS INSTITUT FRESENIUS GmbH, Taunusstein/Germany. He has worked for 12 years in the crop protection industry.



## WHOM DO YOU MEET?

### Sectors that should take part:

- Chemical industry
- Testing laboratories
- Chemical retailers
- Peripheral industry, e.g.
  - Automotive industry
  - Electronic industry
  - Steel industry
  - Medical products industry
- Competent authorities
- NGOs and public interest groups
- Consultants

### Groups that should take part:

- Managing directors, boards of directors, members of supervisory boards
- Managers and employees in the fields of:
  - Product registration & safety
  - Research & development
  - Toxicology
  - Marketing & distribution

## The Organizers

**AKADEMIE FRESENIUS** is a joint venture of **SGS INSTITUT FRESENIUS** and **COGNOS**, one of the leading private educational institutes in Germany. Akademie Fresenius organises national and international conferences and congresses on current topics from the economic and scientific sectors for both specialists and the industry. You can find details on upcoming and new events at [www.akademie-fresenius.de](http://www.akademie-fresenius.de)

**SGS INSTITUT FRESENIUS** is one of the main providers for non-medical laboratory analysis in Europe in the range of chemical, biological and physical analysis. The neutral institute belongs to the internationally acting SGS Group, the corporation that is worldwide at the forefront of testing, verification and certification of goods and services. SGS Institut Fresenius has become a competent partner for companies from various industrial sectors. [www.institut-fresenius.de](http://www.institut-fresenius.de)

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# REGISTRATION

for the International Fresenius Conference on Implementing the GHS  
30 to 31 October 2006 in Cologne/Germany



DIE AKADEMIE  
FRESENIUS

## HOW TO REGISTER

### By fax

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### By mail

DIE AKADEMIE FRESENIUS GmbH,  
Alter Hellweg 46,  
D-44379 Dortmund,  
Germany

### By email

mstratmann@akademie-fresenius.de

### By internet

www.akademie-fresenius.de/1838

If you have any **questions regarding the organisation** please contact:



Monika Stratmann  
Event Organisation  
Phone: +49 231 75896-48  
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If you have any **questions regarding the program** please contact:



Sabine Mummenbrauer  
Project Management  
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### Change of Address:

Please notify Claudia Schulz either by email at  
cschulz@akademie-fresenius.de  
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## PARTICIPATION

**Yes!** I would like to take part in the International Fresenius Conference "Implementing the GHS", 30 to 31 October 2006, Cologne/Germany. Fee: € 1,395.00 plus VAT per person. (Event number: VK1838)

I would like to take part in the evening event on 30 October 2006 (included in the above price).

Yes  No

### Conference Documentation

**No!** Unfortunately, I am unable to attend. Please send me the complete conference documentation for € 250.00 plus VAT. The documents will be dispatched around two weeks after the event.

### Exhibition and Sponsoring

Please send me information on exhibition and sponsoring possibilities during the event.

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N M

### Terms of Participation:

**The conference fee amounts to € 1,395.00 plus VAT per person and includes complete conference documentation, lunch, coffee breaks, conference beverages as well as the evening event on 30 October 2006.** You will receive a written confirmation of your registration. Upon receipt of our invoice we would kindly ask you to transfer the amount due without further deductions before the conference begins.

### Group Reductions:

For joint bookings received from one company we grant a **15 % rebate from the third participant onwards.**

### No-Risk Booking:

Written cancellation or transfers will be accepted free of charge up to four weeks prior to the start of the event. After this date and up to a week prior to the start of the event we will reimburse you 50 % of the registration fee. We cannot, unfortunately, provide refunds for later cancellations. **Please note that you can name a substitute free of charge at any time.**

### Personal Data

Akademie Fresenius and its partners will keep your personal data for the purpose of organising this event. In signing this registration form you also consent to our occasionally contacting you by either mail, email, fax or phone in order to provide you with further information from our group of companies (please delete as required). You can, of course, withdraw your consent whenever you wish. Further information can be found at [www.akademie-fresenius.de/datenschutz](http://www.akademie-fresenius.de/datenschutz)

### Venue

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We have reserved a limited number of rooms for our participants at reduced rates at the Holiday Inn Köln am Stadtwald. These rooms can be booked up to four weeks prior to the start of the event. Please book early directly through the hotel quoting "Fresenius" as reference.