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ACTION AND REACTION
Developing a sustainable approach to emerging chemical issues

August 9-10, 2007
Overview

- Background
- JCIA’s Basic Stance on Addressing Emerging Chemical Issues
- Effective Approach and Role of Chemical Industry under Cooperation of Multiple Industry Sectors
- Response to REACH as Current Emerging Issue
Topic One

- Issue Resolution through Voluntary Activity
  - Past Results and Strong Confidence through Responsible Care
  - Established Basic Scheme for Issue Resolution

- Successful Experience on the collaboration with Automotive Industry Sector

- Addressing REACH in Japan
Background

- Pursuit of Sustainable Development
- Globalization of Business
- Many Stakeholders and Diversification of its Requests/Concerns
- Chemical Industries’ Experience and Performance of Voluntary Activity through Responsible Care
JCIA’s Basic Stance on Addressing Emerging Chemical Issues

- Solution to the issues with the Best Mix of Legal and Voluntary Way
- Endeavor to address issues with Voluntary Activity. Possible way to contribute tailored to each capacity among big and small companies
- Communication with Government and/or Related Organization
- Support and Cooperation with Downstream Users to solve the problem
- Communication with the Society and Stakeholders to gain Trust and Understanding
Addressing Emerging Chemical Issues

General Scheme for solution

- Analysis of the Issues
- Dialogue and Discussion with Stakeholders
- Find the Best Solution

Various Quick Actions toward Best Solution

- Establishment **Task team or Working Group**
- Holding **Seminars** for Association members
- **Consulting Desk** for the Members
- Preparation of **Q & A** and putting it on the Website
- Cooperation and Communication with Government and Stakeholders
Effective Approach under Cooperation of Multiple Industry Sectors

- Discussion and Information Exchange among related Industry Sectors ⇒ Appreciation for diversity and Mutual Understanding

- Consideration of Best Solution to realize the Relationship of Happy-Happy

- Suppliers support their Downstream User ⇒ User’s Success brings Benefits to Suppliers
The Role of Chemical Industry under Cooperation of Multiple Industry Sectors

- **Support and Consulting** for Users with Specialist Advice of Chemicals and Chemical Products

- **Openness of hazard and Risk Information** of Chemicals for User’s Chemicals Control

- **Development of New Technology** to Supply more Safe and Secure Products
Case Example of Cooperation of Multiple Industry Sectors — Automotive Industry —

- Global Automotive Stakeholders Group (GASG)
- Global Voluntary Activity (Japan – Americas – Europe) of Chemicals Control for Automotive Industry — Global Automotive Declarable Substance List (GADSL)
- Cooperation of Multiple Industry Sectors (Automobile – Automotive Parts – Chemicals/Plastics)
- Holding of Global Meeting and Revision of GADSL Once a Year after Deliberation at each Area
Key Emerging Chemical Issues in Japan

- **Japan**
  - Chemicals $9.3 Billion
  - 5,000 Substances
  - 5,400 Items

- **EU**
  - Industrial Products $49.7 Billion

Large Economic Impact on most of Industries in Japan

**REACH**
Addressing REACH in Japan

- Key Drivers
  - Industrial Products Manufacturer (Article Manufacturer)
    Association of Automobile, E&E, Parts etc.
  - Chemicals producer
  - Japan Chemical Industry Association

- Backup by Government (METI, MOE)
  - Distribution of REACH Information to Industrial Area

- Appearance of New Business
  - Consulting, Registration Service, Analysis Service etc.
JCIAs Response to REACH

- "REACH Conference"
  - Set up in 2004
  - Members: 60 Companies
  - Study REACH Lows and collect related information
  - Comment to EU Committee and EU Parliament

- "REACH Task Force" (Set up in 2007)
  - Holding Seminars and WS regarding REACH
  - Work as a collaborator for JCIAs Members

- "Supply Chain Management WG" (Set up in 2007)
  - Study of Information Transfer on Supply Chain
    - Form, Method
Thank you for Attention!

Japan Chemical Industry Association
Appendix 1
Japan Chemical Industry Association (JCIA)

- Founded on April 1948
- Members (as of June, 2007)
  - Company Member: 189 Companies
  - Association Member: 78 Associations
- Annual Sales of JCIA Members
  - Around 80% of All Chemical Industry in Japan
- Activity: 4 Main Points “CARE”
  - C: Communication, A: Advocacy, R: Research, E: Education
- Implementation of Responsible Care Activity
  - (Started from 1995)
Appendix 2
Various Stakeholders related to Chemical Industry

- International Organization (UN, OECD etc.)
- Japanese Government/Local Government
- International Association of Chemical Industry (ICCA)
- Nippon KEIDANREN
- International Association of Client Industries (ACEA, EICTA, EIA etc.)
- Client Industries (Automotive, E&E etc.)
- Chemical Industry
- Academia/Critics
- Mass Media
- Society
- Environment NGO
- Waste Treatment/Recycling Facilities
Appendix 3
Legislative Control & Voluntary Control

Legislative Control

Change in Situation at Home and Abroad

Enactment/Revision/Operation of the Regulation by Authorities

Response by Industry

Legislative & Voluntary Control

Change in Situation at Home and Abroad

Initiatives by Industry (Voluntary Management)

Legal Response by Authority (Traditional Way)

- Increase / Expansion of Chemical Substances
- Diversification of Requests/Concerns from Stakeholders
Appendix 4
Voluntary Activity of Chemical Industry for EHS
— Responsible Care Activity —

Securement of “Environment conservation, Health & Safety” through the Life-cycle of the Chemical Products.

6 Basic Activities of Responsible Care:
- Environment Conservation
- Chemicals & Products Safety
- Distribution Safety
- Process Safety
- Occupational Health & Safety
- Communication

Stakeholders
Society

Development
Manufacture
Distribution
Use
Final Consumption
Disposal
Appendix 5
Main Outcomes of Responsible Care

- Emission Mitigation in 2005
  - Green House Gas: -15% from 1990
  - Volatile Organic Compounds: -43% from 2000
  - Final Disposed Industrial Waste Volume: -77% from 1990

- Energy Saving in 2005
  - Unit Energy Consumption: -14% from 1990

- Dialogue Meeting with Community
  - Regional Dialogue: 15 major Chemical Industry Regions
  - Dialogue with Consumers Associations and Students
Appendix 6
Other Voluntary Activities of JCIA

- Japan Challenge Program as Part of OECD/ICCA HPV Initiative
  - Hazard Assessment of High Production Volume Substances (Over 1,000 Tons/Y)
    - 1,265 Substances/OECD (867/ICCA)
    - 53 Substances/Leaded and Co-Leaded by JCIA Members

- LRI Initiative (Long-range Research Initiative)
  - Support various Research of Endocrine, Carcinogenicity, Hypersensitivity, Neurotoxicity etc.

- GHS (Global Harmonized System)
  - Cooperation with Government to revise “Industrial Safety and Health Law,” and to make Classification Norms

- Capacity Building
  - Dispatch Instructors of GHS and Responsible Care to South-East Asia