



## SUMMARY

Experienced senior environmental, health and safety (EHS) professional and recognized expert. Knowledgeable in domestic and international EHS laws/regulations. Experience working with all staff levels and USA/international agencies. Author, frequent lecturer, UNITAR GHS expert, Registered Specialist, SDS and Label Authoring by the AIHA Registry Programs, former SCHC President and Board of Directors Chairwoman. Demonstrated capabilities in assessing the importance of issues, simplifying the complex, designing applicable strategies and recommending business focused actions to respond to EHS issues.

## PROFESSIONAL EXPERIENCE

### MRS ASSOCIATES

**1997-1999, 2002-Present**

As an independent consultant, provides EHS regulatory compliance, training, audits, regulatory negotiations, litigation support and advocacy to multinational corporations, trade associations, international organizations and government agencies.

- Provided global compliance assessment and implementation for newly acquired product lines, including TSCA, MSDS/label.
- Advised Taiwanese government on hazard communication and Globally Harmonized System (GHS) implementation.
- Developed for OECD, as a basis for international harmonization, analysis of global hazard communication (MSDS & label) and classification requirements.
- Conducted product stewardship, compliance, management systems and Responsible Care assessments, including process design, effectiveness and improvement.
- Prepared HazCom compliance tools for OSHA: Guidance for Preparation of Material Safety Data Sheets (MSDSs), GHS – HCS analysis, training, a GHS Guide; HCS to GHS translation tool; and trained OSHA staff about the GHS.
- Provided litigation support concerning adequate warnings, MSDSs and labels and Product Stewardship/Responsible Care.

### AMERICAN CHEMISTRY COUNCIL

**1999-2001**

A trade association representing over 90% of USA industrial chemical manufacturing. The Council speaks for the chemical industry on public policy issues, coordinates the industry's research and testing programs, and administers the industry's environmental, health, and safety performance improvement initiative, known as Responsible Care<sup>®</sup>.

#### Senior Director

Directed the implementation and performance activities of the Responsible Care<sup>®</sup> program.

- Developed and negotiated industry position on hazard classification and communication (MSDS, labels) for the GHS to facilitate global sales of products.
- Created strategy for the chemical industry that integrates sustainable development, Responsible Care & EHS.
- Established metrics to benchmark industry EHS performance.

### HOECHST CELANESE CORPORATION

**1988-1997**

A \$7.5 billion corporation and subsidiary of \$35 billion Hoechst AG with crop protection, animal health, fibers, plastics, commodity/specialty chemicals and pharmaceutical businesses.

#### Director

(1990-1997)

Provided leadership and direction for prioritization, development and advocacy of corporate-wide EHS policies and external positions. Served as EHS technical expert for senior management and businesses to assure compliance with applicable laws/regulations, contain costs and minimize liability.

- Advised and made recommendations to senior management on international EHS issues, Responsible Care and Product Stewardship.
- Directed corporate-wide Product Stewardship and Responsible Care programs.
- In conjunction with information systems, created product portion of corporate-wide EHS computer database where 7 MSDS systems were consolidated into 1 with corresponding cost savings and efficiencies.
- Established and chaired committee which created corporate-wide 24-hour emergency response center for EHS incidents.
- Influenced domestic and international EHS laws/regulations through advocacy with USA and international agencies and trade associations to reflect company interests.
- Developed ISO 14000 gap analyses and maintained interface with EHS audits, Responsible Care, EMAS and other pertinent management systems.

**HOECHST CELANESE CORPORATION**

**1988-1997**

**Manager Product Safety & Toxicology** (1988-1990)

Managed domestic and coordinated international environmental, health and safety issues for engineering resin products to assure compliance and provide customer service in the EHS area.

- Established and implemented an EHS management process for engineering resins.
- Created an EHS/MSDS computer database for engineering resin products.
- Implemented OSHA Formaldehyde Standard for major \$300 million product line. Worked closely with sales and marketing to provide compliance assistance for customers.
- Developed EHS strategy for \$500 million engineering resin products business that was integrated into overall business strategy.
- Worked with R&D to provide EHS assessment in development of environmentally friendly non-cadmium product line.

**CIBA-GEIGY CORPORATION**

**1985-1988**

A \$4 billion corporation with agricultural chemicals, pharmaceuticals, pigments, dyestuffs, specialty chemicals and plastics businesses.

**Director, Product Safety and Ecology**

Managed environmental, health and safety issues for the USA pigments business and manufacturing sites which included compliance with TSCA, OSHA, MSDS, DOT, FDA, RCRA, CPSC, CERCLA, EPA and SARA.

**STAUFFER CHEMICAL COMPANY**

**1974-1985**

A \$1.5 billion company with agricultural chemicals, food ingredients, commodity/specialty chemicals and plastics businesses .

**Senior Regulatory Affairs Administrator** (1981-1985)

**Research Associate/Senior Research Chemist** (1974-1981)

**PACE UNIVERSITY**

**1976-1981**

**Adjunct Associate Professor**

Taught chemistry/biochemistry to baccalaureate nurses in the evening.

**EDUCATION**

Ph.D. Biochemistry, University of Virginia, Charlottesville, VA  
B.A. Chemistry, Newton College of Sacred Heart, Newton, MA

**PROFESSIONAL ORGANIZATIONS**

*Society for Chemical Hazard Communication (SCHC):* Board of Directors (1989-2012); Board Chairwoman (2003-07); Past-President; President (2000-02); Vice President (1997-99); Membership, International, ANSI Z129.1 and Publicity Chairs  
*American Chemical Society (ACS):* Chair NY Women Chemists (1980-81), Committee on Chemical Safety (1985-89)

**PROFESSIONAL ACTIVITIES**

- Expert witness at Senate Hearing of Employment, Safety and Training Subcommittee: "*Hazard Communication in the Workplace*".
- Registered Specialist, SDS and Label Authoring by the AIHA Registry Programs.
- Technical Editorial Board of OSHA's hazard communication web site.
- United Nations: UNITAR GHS Expert Roster; ILO GHS (MSDS/Labels) Group; IOMC Coordinating Group on Harmonization; USA delegate to Earth Summit preparatory conferences, HMAAC representative at 13th Session of Committee of Experts in the Transport of Dangerous Goods. OECD: Task Force on GHS Classification/MSDS/Labeling.
- Author: *Resources for HazCom Compliance*, Information Resources in Toxicology 4Ed, Elsevier, 2009; *MSDS Guidance for Portland Cement*, PCA 2006; *A Guide to the GHS*, OSHA 2006; *Guidelines for Preparation of MSDSs*, OSHA, 2005; *MSDSs and Chemical Hazard Communication*, Encyclopedia of Toxicology 2Ed, Elsevier, 2005; *Hazard Communication Manual, Interrelationship Between the HCS and Other Rules*, BNA, 1995.
- NACOSH Hazard Communication Work Group (1995-1996).
- Frequent lecturer on hazard communication, GHS and hazardous materials/chemicals.