



Society for Chemical Hazard Communication
Professional Development Training

**Globally Harmonized System for Classification & Labeling
of Chemicals (GHS)**

Distance Learning – October 12, 14, 19, 22, 2021

Course Description and Objectives

This course is designed to be a comprehensive summary of the hazard classification and communication requirements in the Globally Harmonized System (GHS). Emphasis will be placed on:

- Substance and mixtures classification criteria for physical, health, and environmental hazards, -Key concepts will be illustrated with examples,
- Safety Data Sheet content,
- Label elements, and
- Implementation updates, including GHS Revision 8 and 9 as available, EU CLP, OSHA HCS, and selected countries.

The impact of the GHS on hazard communication requirements will be described. Specifically, the course will help students:

- Understand the GHS,
- Understand the potential changes to their existing company products,
- Develop a GHS compliance strategy,
- Keep informed about GHS implementation status, and facilitate informed comments to government agencies as the system is implemented.
- Practice doing hands-on classification using provided mixtures examples. Examples can also be used to assess electronic classification applications.

Intended Audience

This is considered an intermediate course. While there are no specific prerequisites, it is strongly recommended that participants have a working knowledge of EU and USA hazard communication principles.

Course Fee: \$850 / members \$940 / non-members



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Course Director / Instructor



Michele R. Sullivan, Ph.D.

Michele R. Sullivan, Ph.D. is a recognized expert in domestic and international hazard communication and author of SDS and GHS Guidance Manuals. She testified as an expert witness at the Senate Subcommittee hearing on "Hazard Communication in the Workplace". Dr. Sullivan participated in the ANSI Z400.1 MSDS and Z129.1 Labeling Standards development and training.

She participated on the NACOSH Hazard Communication Work Group that advised OSHA about 29 CFR 1910.1200, the Hazard Communication Standard. In the transportation area her experience includes: participation at the United Nations Committee of Experts on the Transport of Dangerous Goods (UNCETDG); a rapporteur for the Ottawa meeting on the Harmonization of Physical Hazards.

Michele developed GHS situational analyses for USA regulations and designed GHS training for Asia-Pacific countries. Her GHS activities include: industry member of the USA delegation to the Earth Summit preconferences, the IOMC Coordinating Group on the Harmonization of Chemical Classification Systems, the OECD Task Force on the Harmonization of Classification and Labeling and the ILO Working Group for the Harmonization of Chemical Hazard Communication. She is listed on the UN Roster of GHS Experts and is a Registered Professional, SDS and Label Authoring by the AIHA Registry Programs.

Her professional activities are related to SCHC: recipient of the SCHC HAZCOM Lifetime Achievement Award; recognition as a SCHC professional development instructor; a SCHC Board Member and former Chairwoman & President of SCHC; professional development trainer and HAZCOM 101 director. Dr. Sullivan received her Ph.D. in biochemistry from the University of Virginia and her BA in chemistry from Newton College of the Sacred Heart.

Course Director / Instructor



Paul W. Brigandi

Paul W. Brigandi is a recognized expert in US and international hazard communication regulations. The early part of Paul's career was with Mobil Oil Corporation (20 years), where he was involved in a wide variety of research assignments. He spent 10 years in the Product Safety group where he led multi-disciplinary teams, on the planning and implementation of global product safety compliance programs, not to mention writing thousands of SDS along the way. While at Mobil Paul was a member of the OECD Expert Group on classification criteria for mixtures and he chaired both the BIAC to the OECD Expert Mixtures Group and the American Chemistry Council Global Harmonization Task Force. Paul retired from CGI Technologies and Solutions Inc. in 2020 where he led the design phase of projects which delivered commercial software supporting compliance with GHS hazard communication requirements and with the REACH Regulation. Paul also provided subject matter expertise to EPA in support of the design and development of the new electronic Chemical Data Reporting web tool (eCDR). That successful project led to further development of a suite of web-based submission modules for electronic reporting under TSCA. Paul also participated in a consortium of industry and software providers supporting the definition and implementation of an electronic data exchange standard for exposure scenario data throughout the supply chain under REACH. He holds a BS in chemistry from Rutgers University.



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**Course Topics and Schedule
(Subject to Change)**

Tuesday, October 12, 2021 1:00 – 5:00 ET	GHS Overview <ul style="list-style-type: none">– Purpose, Scope, Application and Classification Principles– Implementation update, including EU CLP, OSHA HCS 2012 and selected countries• GHS Physical, Health & Environmental Criteria for Substances & Mixtures
Thursday, October 14, 2021 1:00 – 5:00 ET	GHS Criteria (continued)
Tuesday, October 19, 2021 1:00 – 5:00 ET	GHS Criteria (continued)
Friday, October 22, 2021 1:00 – 5:00 ET	<ul style="list-style-type: none">• GHS Criteria (continued)• GHS Label Elements• GHS Safety Data Sheet Content• Guidance to complete the self-study examples; GHS mixture classifications and applying the order of precedence for harmonized label elements

Registration

Registration closes at 1:00 p.m. (ET) October 11, 2021. Payment must be received in advance or you will not receive a link to join. SCHC Members will need to obtain the [Discount Code](#) – available only when logged into the SCHC website.

[Register Now](#)

SCHC accepts Visa, MasterCard and American Express. SCHC also accepts checks, but checks must be received by October 9, 2021.

Cancellation Policy

No refunds will be given after midnight October 10, 2021. No one will be admitted to the training unless all fees have been paid in advance. Every effort has been made to ensure the information in this brochure is accurate. SCHC reserves the right to modify this course without prior notice or to cancel the course. In the event this course is canceled, SCHC's obligation is limited to a full refund of the course fee.