



Society for Chemical Hazard Communication  
Professional Development Training

**MULTI-MODAL HAZARDOUS MATERIALS / DANGEROUS GOODS  
CLASSIFICATION TRAINING**  
Distance Learning – February 21, 23, 28 and March 2, 2023

### Course Description

This updated course covers DOT, IATA/ICAO (air transport) and the IMDG Code (ocean transport). The course combines lectures with classroom problem-solving and practical workshops. The curriculum focuses on the principles and practices of classifying, marking and labeling hazardous materials/dangerous goods. The successful completion of this 20-hour multi-modal course will meet the requirements for initial and recurrent training under the DOT, IATA/ICAO and the IMDG Code for individuals involved in the classification of hazardous materials/dangerous goods. While the main emphasis of the course will be classification and assignment of shipping descriptions, additional topics covered will be packaging, marking, labeling and placarding of hazardous materials shipments. This course is specifically designed for the hazard communicator. Classification is always the first and most important of the “Shipper’s responsibilities.” It dictates all other elements for compliance with the hazardous materials/dangerous goods regulations from shipping name selection to packaging, marking, labeling, documentation, and placarding. In this course, students will learn, via lectures, problems and examples, a systematic approach to evaluating physical, chemical and toxicological properties of compounds, mixtures and solutions. The resultant hazard determination leads to identification of the primary and subsidiary hazard class/ division and packing group. Reliable reference sources of relevant technical data will be identified and discussed. Hazard Classes 2-6 and 8-9 will be covered in detail. Explosives (Class 1) and Radioactive (Class 7) will not be covered in any detail. We recommend specialized courses for these hazard classes. Emphasis will be placed on hazard class definitions (including the UN/IMDG criteria for Marine Pollutants), tests and criteria, the Hazardous Materials Table and Dangerous Goods Lists, shipping name selection, packing group assignments, hierarchy of hazards and subsidiary hazards. Other topics covered will include recent changes in the regulations, marine pollutants, hazardous substances, elevated temperature materials and hazardous wastes. A brief overview of packaging, marking, labeling documentation, and placarding will be presented. Workshops will focus on classification examples for each class/division and selection of proper shipping names. A test will be administered at the end of the course and students who pass the test will be awarded a certificate that documents the successful completion of the course.

### Intended Audience

Hazard communication professionals looking to develop their skills in completing Section 14 of the SDS and/or developing compliant shipping descriptions for their products.

### Course Director / Instructor



#### **Denese A. Deeds, CIH, FAIHA, SDSRP**

Denese Deeds is co-founder of Industrial Health & Safety Consultants, Inc. (now IHSC, LLC) and is certified in the Comprehensive Practice of Industrial Hygiene by the American Board of Industrial Hygiene. She has been consulting in the areas of Industrial Hygiene and Chemical Regulatory Affairs since 1981. In her position as Director of Chemical Regulatory Services she prepares SDS and other hazard communication documents, files international chemical registrations and assists companies with overall chemical regulatory compliance. As part of her practice, Denese has assisted clients in classifying their products for transport, developing shipping guidance for products and audited hazmat compliance programs. Prior to consulting, Ms. Deeds held industrial hygiene positions with Westinghouse Electric and General Electric. She is a fellow of the American Industrial Hygiene Association, the Academy of Industrial Hygiene and the Society for Chemical Hazard Communication, where she has served as President.



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**Course Instructor**



**Gene Sanders, CET, CDGP, CDGT, DGSA**

With over 20 years of extensive exposure working with Dangerous Goods in pharmaceutical, safety supplies, chemical, educational, waste, and clinical trials environments, Gene is knowledgeable in DOT (49CFR), ICAO (A.I.R. & IATA), IMO(IMDG), TDG, and ADR. Gene is one of the first three people in the world to become a Certified Dangerous Goods Trainer in five different sets of transport regulations. Gene has worked for carriers and for shippers, dealing with proposed products, with new products, and with waste, involving chemicals and involving articles, handling outgoing shipments and dealing with returns, on both sides of the Atlantic Ocean. Gene has been on a Hazardous Materials Emergency Response team, and on a volunteer fire department. Gene has developed and conducted training programs, primarily for shippers, involving some aspect of all hazard classes and divisions, including Class 1, Division 6.2, and Class 7. With degrees in Biochemistry and in Chemistry, and a minor in Microbiology, Gene regularly teaches in depth, detailed courses in Classification, and in Infectious Substances, as well as teaching more comprehensive classes involving all aspects of DG shipping, offering, and accepting. Gene is a current member of the Board of Directors at DGAC (formerly HMAC), served on the initial Board of Directors for DGTA, and is currently also a member of COSTHA, AHMP, and SCHC.

**Course Instructor**



**Chandra D. Gioiello, MS, CIH, SDSRP**

Chandra Gioiello is the Vice-President of Industrial Health & Safety Consultants, Inc. She authors SDS and assists clients in compliance with international chemical regulations. She has worked as a consultant and in industry in roles as an industrial hygienist and hazard communicator.

**Training Fee:**            \$1,125 / members            \$1,385 / non-members

Registration should be completed per attendee.



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**Course Topics and Schedule**

February 21, 2023 12:00 p.m. – 5:00 p.m. ET	Introduction; the UN-system; the U.S. DOT process, IATA/ICAO, IMDG Code Hazard class definitions; examples Tests; criteria; data collection; packing group determination
February 23, 2023 12:00 p.m. – 5:00 p.m. ET	Hazard classes continued Classification Workshops Hazmat Table Sources of classification data
February 28, 2023 12:00 p.m. – 5:00 p.m. ET	Dangerous Goods Lists PSN selection; hazard hierarchy; mixtures and solutions; examples PSN Workshop
March 2, 2023 12:00 p.m. – 5:00 p.m. ET	Labeling; placarding; marking; documentation Preparing MSDS Section 14 Questions and Answers – bring your own! Test on Classification, PSN selection

**Registration**

**[REGISTER NOW](#)**

Registration closes at 12:00 Noon (ET) February 20, 2023. Payment must be received in advance or you will not receive a link to join. Students should have a physical or digital copy of CFR 49.

SCHC accepts Visa, MasterCard and American Express. SCHC also accepts checks, but checks must be received by February 20, 2023.

**Cancellation Policy**

No refunds will be given after 12:00 Noon (ET) midnight February 20, 2023. 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.