



## **SafeBridge Consultants Announces A New Course:**

### **Industrial Hygiene in the Pharmaceutical Industry**

**July 11-12, 2017**

**Oakbrook Terrace, IL**

**(30 minutes from O'Hare and Midway Airports, Chicago)**

SafeBridge has developed a new course to provide health and safety professionals from a range of disciplines with the tools necessary to conduct, implement and manage an industrial hygiene program in the research, development and manufacture of active pharmaceutical ingredients (APIs) and drug products.

**This 1.5 (one and one-half) day course will provide industrial hygiene practices for:**

- Drug Innovators (small to large pharmaceutical companies)
- Contract Manufacturing and Development Organizations (CMOs and CDMOs)
- Contract Research Organizations (CROs)
- Vendors (equipment and containment manufacturers, safety suppliers, and other support services)

**Who should attend:**

- Industrial Hygienists (especially those without prior Pharmaceutical Industry experience)
- Safety Professionals
- Environmental Engineers
- EHS generalists
- Staff responsible for health and safety at R&D, pharma or API plants or facilities
- Other job functions, e.g., engineering staff, who support pharmaceutical operations and are required to act as industrial hygiene support for their company

*(Additional courses recommended for EH&S, engineering, toxicology, and industrial hygiene and safety personnel include SafeBridge Potent Compound Safety Boot Camps I and II, which specifically focus on potent compound safety and include aspects of industrial hygiene, toxicology, environmental toxicology, and risk communication.)*

Your instructors will be board-certified health professionals in industrial hygiene and toxicology with many years of experience in the pharmaceutical industry. The agenda will include the following:

- Interpreting information received from toxicologists and clinicians and appropriately applying to recognition of hazards
  - Interpretation of Safety Data Sheets and Occupational Health Categorization , Occupational Exposure Limit, and Acceptable Surface Limit documentation
- Evaluating exposure potential for pharmaceutical, biopharmaceutical and chemical operations
  - Qualitative
  - Quantitative
- Industrial hygiene analytical chemistry for APIs (air and surface methods)
  - Applying method sensitivity to field data collection
- Assessing engineering control equipment containment and control performance
  - Setting a Control (or Containment) Performance Target or CPT
  - The ISPE Guide – *“ISPE Good Practice Guide: Assessing the Particulate Containment Performance of Pharmaceutical Equipment (Second Edition), May 2012”* (formerly SMEPAC)
  - Cross-contamination including tracking of contamination through airflow and on people and equipment. Monitoring material “tracking” by occupational hygiene work
- Personal exposure monitoring (versus an OEL)
- Surface monitoring (including practical exercise)
- Industrial hygiene monitoring (air and surface)
  - Industrial hygiene equipment
  - Sampling plans
  - Sample handling to prevent contamination
  - Full shift monitoring (versus OEL as an 8-hr TWA)
  - Task-oriented monitoring
  - Observing and recording tasks undertaken
  - Sample submission
- Results
  - Recording operations and results
  - Data interpretation, statistics and uncertainty
  - Interpreting results, communicating results and risk communication
- Industrial hygiene program development
  - Health risk ranking
  - Program accountabilities
- Controls
  - Connecting hazard and risk to control
  - Engineering controls, administrative controls and the role of personal protective equipment (PPE) including respiratory protective equipment (RPE)
- Practical exercises and case studies
- Q&A Roundtable

**Registration Fee:** \$1850 for the first attendee from a company;  
\$1725 for each additional attendee from the same company

**Location:** Trinity Consultants Training Facility  
1S660 Midwest Road, Suite 250  
Oakbrook Terrace, IL 60181

**Hotel:** (special group rate of \$99/night) **Comfort Suites**  
17W445 Roosevelt Rd.  
Oakbrook Terrace, IL 60181  
331-814-2594

The above costs include Course Syllabus, meals (breakfast, lunch and breaks) and Certificate of Completion. Payments may be made by check, invoice, Visa, MasterCard or American Express. Your hotel room reservations must be booked directly with the hotels.

**SEATING IS LIMITED AND OUR COURSES USUALLY SELL OUT!**

Please contact Catherine before making travel arrangements to ensure space is available.

We look forward to seeing you there!

**Catherine Connor**  
**SafeBridge Consultants, Inc.**  
(212) 727-0717 x217  
[catherine.connor@safebridge.com](mailto:catherine.connor@safebridge.com)

# Industrial Hygiene in the Pharmaceutical Industry

Registration Form (use one form per registrant)

**SPACE IS LIMITED!** Call or email Catherine Connor to reserve your space!  
 Phone: (212) 727-0717 x 217 - Email: [catherine.connor@safebridge.com](mailto:catherine.connor@safebridge.com)

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**LOCATION:** **Trinity Consultants Training Facility**  
 1S660 Midwest Road, Suite 250  
 Oakbrook Terrace, IL 60181

**HOTEL:** **Comfort Suites**  
 17W445 Roosevelt Rd.  
 Oakbrook Terrace, IL 60181  
 331-814-2594

**Group Name:** Use code "SafeBridge Consultants" for special rate of \$99/night + tax

**PLEASE PRINT CLEARLY OR TYPE**

<b>First Name</b>	<b>Last Name:</b>			
<b>Preferred Badge Name:</b>				
<b>Title</b>				
<b>Email</b>				
<b>Company Name</b>				
<b>Address:</b>				
<b>City:</b>	<b>State:</b>	<b>Postal Code:</b>		
<b>Telephone:</b>	<b>Fax:</b>			
<b>Form of Payment:</b>	<input type="checkbox"/> Check <input type="checkbox"/> AmEx <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> Invoice - Please provide Purchase Order: _____			
<b>Credit Card Number</b>	<b>Expires</b>			
<b>Name on Card</b>	<b>CSV (security code)</b>			
<b>Dietary Restrictions or comments:</b>	<b>Total Amount Due: \$</b> _____			
<b>Registration Fees</b>				
Industrial Hygiene in the Pharmaceutical Industry		<b>\$1850</b> for the first attendee from a company; <b>\$1725</b> for each additional attendee from the same company		

Fees are payable to: <b>SafeBridge Consultants, Inc.</b> PO Box 972047 Dallas, TX 75397-2047	Return completed registration to: Email: <a href="mailto:catherine.connor@safebridge.com">catherine.connor@safebridge.com</a>
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