Advanced Warehouse Safety and OSHA Compliance Training Course

02 - 06 Nov 2026

Kuala Lumpur

5200 € (Per Person)

Ref: #LOG4570_152293

Course Introduction / Overview:

This comprehensive training course is designed to provide a thorough understanding of warehouse safety principles and the regulatory framework established by the Occupational Safety and Health Administration (OSHA). In today's fast-paced logistics and supply chain environments, ensuring a safe workplace is not just a legal requirement but a critical component of operational excellence and employee well-being. This program moves beyond basic compliance, aiming to instill a proactive safety culture within your organization. We will explore key concepts from leading experts in the field, such as Dr. E. Scott Geller's work on behavior-based safety, which emphasizes the human element in preventing accidents. The principles discussed in influential texts like "On the Practice of Safety" by Fred A. Manuele will be integrated to provide a robust theoretical and practical foundation. Participants will learn to identify, evaluate, and control a wide range of warehouse hazards, from material handling risks to chemical exposure. BIG BEN Training Center is committed to delivering a curriculum that equips professionals with the skills to implement effective safety management systems, reduce incident rates, and foster an environment where safety is a shared responsibility. This course is the definitive guide for creating a safer, more efficient, and fully compliant warehouse operation from A to Z.

Target Audience / This training course is suitable for:

- Warehouse Managers and Supervisors.
- Health, Safety, and Environment (HSE) Officers.
- Logistics and Supply Chain Professionals.
- Operations Managers.
- Facility Managers.
- Team Leaders and Foremen.
- Human Resources personnel involved in safety training.
- Members of workplace safety committees.
- Anyone responsible for warehouse operations and safety compliance.

Target Sectors and Industries:

- Logistics and Distribution.
- Manufacturing and Production.
- Retail and E-commerce Fulfillment.
- Third-Party Logistics (3PL) Providers.
- Wholesale and Trade.
- Automotive and Aerospace.
- Pharmaceutical and Healthcare.
- Food and Beverage.
- Government agencies and public sector warehousing.
- Construction and building materials supply.

Target Organizations Departments:

- Operations Department.
- Logistics and Supply Chain Department.
- Health, Safety, and Environment (HSE) Department.
- Warehouse and Distribution Department.
- Facilities Management.
- Human Resources.
- Procurement and Inventory Management.
- Quality Assurance and Control.

Course Offerings:

By the end of this course, the participants will have able to:

- Develop and implement a comprehensive warehouse safety program aligned with OSHA standards.
- Conduct thorough risk assessments and hazard identification for all warehouse activities.
- Master the requirements for safe operation of powered industrial trucks, including forklifts.
- Implement correct procedures for material handling, stacking, and storage to prevent accidents.
- Establish and manage a robust Hazard Communication (HazCom) program for chemical safety.
- Apply Lockout/Tagout (LOTO) procedures to ensure machine and equipment safety.
- Design and execute effective emergency action and fire prevention plans.
- Promote a positive safety culture that reduces at-risk behaviors and encourages employee involvement.
- Investigate workplace incidents to identify root causes and implement corrective actions.
- Maintain accurate OSHA-required records and documentation for compliance audits.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring that participants can immediately apply their learning in the workplace. We move beyond traditional lecture-based formats to create an immersive learning environment. The course heavily utilizes real-world case studies of warehouse incidents, allowing participants to analyze failures and develop effective prevention strategies in a controlled setting. Group workshops and collaborative problem-solving sessions will challenge attendees to design safety protocols, conduct mock risk assessments, and create emergency response plans. Interactive discussions are a core component, encouraging the sharing of experiences and best practices among peers from various industries. Practical exercises, such as developing a forklift safety checklist or a LOTO procedure, will solidify understanding of key OSHA requirements. Our expert instructors facilitate the learning process, providing personalized feedback and guiding participants through complex regulatory standards. The program fosters a dynamic atmosphere where theoretical knowledge is constantly reinforced with hands-on application, ensuring a deep and lasting mastery of warehouse safety management.

Course Agenda (Course Units):

Unit One: Foundations of Warehouse Safety and OSHA

- Introduction to the Occupational Safety and Health Administration (OSHA).
- Understanding the General Duty Clause and employer responsibilities.
- Key OSHA standards applicable to warehousing (29 CFR 1910).
- The financial and human cost of warehouse accidents.
- Developing and promoting a proactive safety culture.
- Roles and responsibilities of management and employees in safety.
- Conducting an effective warehouse safety audit.

Unit Two: Safe Operation of Warehouse Equipment

- OSHA standards for Powered Industrial Trucks (PITs).
- Forklift operator training and certification requirements.
- Pre-operation inspections and maintenance checklists.
- Safe operating procedures for loading, unloading, and maneuvering.
- Conveyor system safety and guarding.
- Safe use of pallet jacks and other manual handling equipment.
- Best practices for battery charging and refueling stations.

Unit Three: Managing Specific Warehouse Hazards

- Hazard Communication (HazCom) Standard and Safety Data Sheets (SDS).
- Proper labeling, handling, and storage of hazardous chemicals.
- Lockout/Tagout (LOTO) procedures for energy control.
- Electrical safety and prevention of electrocution hazards.
- Machine guarding principles for warehouse equipment.
- Welding, cutting, and other hot work safety protocols.
- Managing risks associated with compressed gas cylinders.

Unit Four: Environmental Safety and Emergency Preparedness

- Strategies for preventing slips, trips, and falls.
- OSHA standards for walking-working surfaces and fall protection.
- Loading dock safety procedures and trailer security.
- Ergonomics and preventing musculoskeletal disorders.
- Developing an Emergency Action Plan (EAP).
- Fire prevention, protection, and extinguisher use.
- Requirements for exit routes and emergency lighting.

Unit Five: Safety Management Systems and OSHA Compliance

- Conducting effective incident investigations and root cause analysis.
- OSHA recordkeeping requirements (Forms 300, 300A, 301).
- Implementing a Personal Protective Equipment (PPE) program.
- Leading effective safety meetings and toolbox talks.
- Strategies for continuous improvement in safety performance.
- Preparing for and managing an OSHA inspection.
- Course review, final assessment, and action planning.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

Beyond regulatory compliance, how can a deeply embedded safety culture transform an organization's operational efficiency and employee morale?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by adopting a holistic and behavior-centric approach to warehouse safety, moving far beyond a simple recitation of OSHA regulations. While many programs focus solely on compliance, our curriculum is built on the principle that a truly safe warehouse is the product of a deeply ingrained safety culture, not just a set of rules. We integrate principles of behavioral safety, teaching leaders how to influence employee actions and foster a sense of shared ownership for workplace well-being. The content is uniquely structured to bridge the gap between regulatory requirements and practical, on-the-ground implementation. Instead of just listing standards, we use immersive case studies and interactive workshops to explore the real-world application of these rules in complex operational scenarios. This method ensures participants learn not only what the regulations are, but why they exist and how to apply them effectively. Furthermore, the course places a strong emphasis on leadership and management's role in championing safety, providing tangible strategies for building trust, improving communication, and driving continuous improvement. It is this focus on the human element and cultural transformation, combined with rigorous technical knowledge, that provides a more profound and sustainable impact on organizational safety.