

Benzene Safety

Course Outline

Prerequisites: This course shall have no formal pre-requisite.

Course Length – 1 hour - Course length shall vary depending on the number of delegates. Total course time includes breaks.

Class Size: The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session.

Course Objective

- Provide delegates with the sources, hazards and effects of Benzene.
- Provide delegates with warning, monitoring and detection systems for Benzene.
- Address Emergency Response Planning.
- Delegates should be able to demonstrate knowledge during written examination.

Course Design

- Power Point© / Lecture / Audio Video / Visual Aids

Successful Course Completion

- Requires a minimum score of 75% or better.
- Delegates will have no more than thirty (30) minutes to complete the exam.
- Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.

Course Content Summary

- Classroom

Breaks: 10 minutes (approximately every hour)

Lunch: 1 Hour (if applicable)

Course Outline

About Benzene

- What is Benzene?
- Where is Benzene found?
- Health Hazards
 - Acute
 - Chronic
- Exposure Limits



M&A Safety Services

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- Permissible Exposure Limit (PEL)
- Short Term Exposure Limit (STEL)
- Medical Surveillance
 - Action Level
 - Exposure Medical Surveillance
 - Frequency of Medical Surveillance
 - Medical Records
- Signs and Labels
- Physical Hazards
 - Fire
 - Explosion
- Detection
 - Types
 - Methods
- Monitoring
- Engineering Controls
- Work Practices
- Employer Responsibilities
- Employee Responsibilities

Personal Protective Equipment

- Respiratory Protection
- Eye/Skin Protection
- Types of Respirators
 - Air Purifying
 - Supplied Air

Emergency Procedures

- Procedure Review
- Fire
- First Aid
- Review MSDS

Practical Session

- None

Training Center Provided Material

- Course Materials

Student Requirements

- None



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Reference Material / Documents

OSHA 29 CFR 1910.1028

OSHA 29 CFR 1910.134