skillSTrain
DISTRIBUTION

HAZMAT Containment





Course Delivery Formats:

- Online Interactive Course
- Online Streamed Video
- DVD

Hazardous materials releases are a common occurrence in today's commercial industries and transport routes. The ability to control such spills is a critical skill in keeping communities safe. This four-part series provides an overview of the major issues, equipment, materials and procedures necessary for release control.

Our **HAZMAT Containment** series provides an overview of the major issues and procedures arising out of hazardous materials spill control. The series discusses drum breach, pressurized cylinder control, diking, diverting, damming, retention and fuel tank truck incidents. Each title includes demonstrations of spill control and containment procedures as well as discussing safety concerns and equipment and materials usage.

These titles teach to:
Competencies outlined in **NFPA 472** *Standard for Professional Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents,* and JPR skills from **NFPA 1072** *Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications.*

1. Plugging & Patching Drums

Video Run Time - 20:34

Discusses the dangers of leaks in hazardous materials drums. Focuses on safety precautions and primary causation in drum breach, including puncture, pressure and deterioration. Demonstrates leak control using various equipment and methods, including the use of drum features as well as application of various plug and patch techniques. Discusses the importance of and procedures for overpacking.

Training Objectives:

1. Discuss basic safety rules for working with hazardous materials
2. Outline the major causes of leaks in drums, including puncture, pressure, impact damage and deterioration
3. Present the features of low-pressure drums and how to use these features to control leaks
4. Show the basic tools and materials needed to plug and patch drums
5. Demonstrate plugging and patching techniques for stopping leaks in drums
6. Show methods of drum overpacking

2. Containing Leaks in Pressurized Cylinders

Video Run Time - 21:52

Presents the hazards, safety considerations and structural features of pressurized cylinders. Discusses the kinds of leaks to expect and leak detection. Demonstrates leak control techniques. Presents special considerations when dealing with leaks involving four common, dangerous gases: oxygen, acetylene, ammonia, and chlorine.

Training Objectives:

1. Present basic safety considerations about pressurized cylinders
2. Show the structural features of pressurized cylinders
3. Present types of leaks that can occur in pressurized cylinders;
4. Demonstrate how to detect and control leaks in cylinders
5. Discuss considerations for incidents involving four common gases: oxygen, acetylene, ammonia, and chlorine

3. Diking, Diverting & Retaining Spills

Video Run Time - 19:04

Discusses the safety concerns regarding hazardous spill control. Outlines various spill control options and demonstrates basic procedures for diking, diverting, damming and retaining spills. Explains the need to consider both the chemical and physical properties of hazardous materials in spill operations. Discusses equipment and materials required for spill control and how to employ them.

Training Objectives:

1. Discuss spill control basics in incidents involving hazardous materials
2. Present equipment and materials that can be used for diking, diverting, damming and retaining spills
3. Demonstrate techniques for controlling spilled hazardous materials
4. Present safety rules that should be followed in spill control operations

4. Incidents Involving Fuel Tank Trucks

Video Run Time - 19:38

Explains the structural and safety features of MC 306/DOT 406 fuel tank trucks and the types of incidents that commonly occur with them, including rollovers and leaks with and without ignition. Discusses responder safety considerations, including the need for bonding and grounding, and demonstrates basic leak control procedures.

Training Objectives:

1. Describe the structural and safety features of fuel tank trucks
2. Present the types of fuel tank truck incidents that can occur
3. Demonstrate procedures for controlling leaks in tank trucks
4. Present safety considerations for responding to incidents involving fuel tank trucks