



Module 1:

An Introduction to Ethanol

Administrative Information



- Facility safety briefing
- Exits
- Restroom facilities
- Refreshments
- Available resources



Administrative Information



- Target audience
- Delivery method
- Course prerequisites
- Course length



Course Goal



Upon the completion of this course, participants will have knowledge related to ethanol & ethanol-blended fuels. The course provides participants with an understanding of:

- Chemical & physical characteristics
- Transportation modes
- Transfer operations
- Basics of foam
- Suggested responder tactics & strategies
- Environmental issues

Introduction



- Increasing production, storage, & transportation of ethanol-blended fuels
- Differing views on effectiveness of various firefighting foam concentrates
- Emergency responders' unfamiliarity with industrial processes of ethanol-blended fuels
- Determining if ethanol-blended fuels represent a unique hazard for emergency responders

Course Overview



- Module 1: An Introduction to Ethanol
- Module 2: Ethanol & Ethanol-Blended Fuels
- Module 3: Chemical & Physical Characteristics of Ethanol & Hydrocarbon Fuels
- Module 4: Transportation & Transfer
- Module 5: Storage & Dispensing Locations
- Module 6: Fire Fighting Foam Principles
- Module 7: General Health & Safety Considerations
- Module 8: Storage & Pre-planning Considerations

Training Package



- PowerPoint presentations
- Instructor manual
- Participant guide
- Videos
- Extras
 - Rail Tank Car 101 PowerPoint & video
 - U.S. DOT Emergency Response Guide
 - Additional hazmat resources

Resources



- Renewable Fuels Association: www.EthanolRFA.org
- Ethanol Emergency Response: www.EthanolResponse.com
- TRANSCAER: www.transcaer.com