

FLAMMABLE AND COMBUSTIBLE LIQUID - INSTRUCTOR NOTES

Training Objectives

- Review flammable and combustible liquid hazards and safety so that students proactively follow safety procedures

Before Training

- Read the OSHA standards and the model Flammable and Combustible Liquid Safety Program
- Understand the following:
 - This program is designed for use by facilities that have incidental use of flammable and combustible liquids. Industries such as refining, chemical manufacturer, etc. would benefit from a more extensive review.
 - Flammable and combustible liquid regulations are probably in place for your municipality. Be sure that you comply with these regulations.
 - Check with your property insurance carrier to be certain that you are meeting their requirements for storage and use of flammable and combustible liquids.
 - Have examples of Material Safety Data Sheets for the chemicals that students will be using
 - Have a copy of the facility emergency response plan available to discuss the emergency plan

Introduction for Training

- Begin by stressing the overall importance of safety in your facility
- Review with students that these materials can cause injury to the operator as well as significant accidents that impact the entire facility and beyond
- Give examples of facility use of flammable and combustible liquids
- As a ground breaker, you can ask employees what experience they have had handling chemicals. You can also remind them that most of us have had significant experience: we pump our own gasoline!

General Guidelines

- Stress the importance of the bullet points on these slides
- Stress the importance of the individual employee being committed to his/her own safety
- Be sure to be open to questions or comments
- Have employees review the MSDS for chemicals that they will be using

- Someone that is familiar with the safe chemical handling must cover the following:
 - Location of MSDS and other reference material
 - PPE requirements
 - Ventilation requirements
 - Bonding and grounding
 - Control of ignition sources
 - Operation of transfer and process equipment
 - Chemical contact emergency procedures (eye and skin contact)
 - Use of eye wash stations and safety showers
 - Spill emergency procedures
 - Fire emergency procedures

Conclusion

- Review the potential hazards and facility requirements for flammable liquids
- Review the handout for further training

Student Exercise

- Have the student explain and/or demonstrate how s/he will perform the job duties utilizing flammable and combustible liquids