

## EMPLOYEE TRAINING RECORD

**TRAINING TITLE**      **Materials Storage - Flammable and Combustible Liquids**

### KEY TEACHING POINTS

- These liquids can burn and produce flame if the liquid temperature exceeds a certain limit called the flash point
  - Flash point is the lowest temperature at which the liquid gives off enough vapor to form an ignitable mixture with air. In presence of an ignition source, the air-vapor mixture produces flame.
  - Flammable liquids have a flash point below 37.8°C (100°F).
  - Combustible liquids have a flash point at or above 37.8°C (100°F) and below 93.3°C (200°F).
- Flammable and combustible liquids are generally shipped in bulk by tankers or in smaller amounts in drums, carboys or cases of smaller containers.
- Flammable liquids should always be stored in isolated, explosion-resistant areas with blowout walls.
- Warn workers and visitors in the area about the hazards and the precautions to take.
- Ensure emergency response and spill control supplies and equipment are available.
- Use catch trays or spill sumps for containing the contents of the largest container in the event of a leak.
- Use spark-resistant tools.
- Ensure all recommended fire fighting equipment is available.
- Ensure all conductive (metal) equipment is grounded and any plastics used do not create static electrical sparks.
- Keep drums and carboys out of direct sunlight.
- Do not reuse empty containers without ensuring they are completely clean and free of liquid and vapors.

### TEST

QUESTION	ANSWERS	
	TRUE	FALSE
1. Fire is the major risk of storing flammable and combustible liquids.		
2. Flammable liquids have a flash point below 100°F.		
3. Store flammable liquids in general storage areas away from combustible liquids.		
4. Use spark-resistant tools when working with flammable and combustible liquids.		
5. Fire fighting equipment is the responsibility of the Fire Department.		
EMPLOYEE'S NAME	EMPLOYEE'S SIGNATURE	DATE
INSTRUCTOR'S NAME	INSTRUCTOR'S SIGNATURE	DATE

1. True 2. True 3. False 4. True 5. False