

## Assignment for Safety Workshop

DUE: 5:00 P.M. Wednesday, September 30

1. Find a MSDS in the folder that lacks a HMIS rating. Use the MSDS to make up an approximate HMIS rating. Justify your choices. How much of this stuff would kill you?
2. Find and record the location of safety showers, first aid kits, and eye wash units. (A total of five units are to be found).
3. Define and give an example from a MSDS of the following terms:
  - (a) carcinogen
  - (b) corrosive
  - (c) LD50 (rat)
  - (d) flashpoint
  - (e) oxidizer
4. Seek a high voltage source in the department...the higher the voltage the more points you get on this problem. Describe the unit and the location.
5. Look around the department for a compressed gas cylinder. Record the location, color and content. Bonus points: find a cylinder not properly secured.
6. What types of radiation are the most penetrating? Least penetrating?
7. Look around the department for lasers. Describe two laser types. Be sure to record the "class" (I, II, IIIb, etc.) of the laser, the power output, color, and location.
8. Suppose a child's eye was damaged by walking down the hallway in the science building. A laser beam accidentally entered his eye, and he is permanently blinded in that organ. What safety precaution(s) were ignored by someone in the lab?
9. You probably have experienced appliances in your home that give you a "tingling" sensation when you touched them while grounded. What hazard might be the cause of this, and what can you do to remedy the situation?
10. Your lab partner cut himself on a piece of glass in the lab. He bled on himself, the benchtop, and the glass peice, and continues to do so. What should you do?