

# Material Safety Data Sheets Activity

You can refer back to the MSDS used in this activity on my website [www.scottscience.weebly.com](http://www.scottscience.weebly.com) → Unit 1

1. What information on the MSDS for *Bromothymol blue, water solution* indicates that the chemical is a low fire hazard? In which section of the MSDS is the information found?
2. The vapor density of *Ammonia solution (household)* indicates that the vapors will: move toward the ceiling, settle toward the floor, or stay suspended in the air? In which section of the MSDS is the information found?
3. A fire in the laboratory room is being fueled by *Ethyl alcohol, denatured*. What type of fire extinguisher should you use to extinguish the flames? In which section of the MSDS is the information found?
4. You have been given the task of disposing of a liter of *Xylene*. According to the MSDS how should this hazardous chemical be disposed? In which section of the MSDS is the information found?
5. A class discussion begins about whether students should wear protective eyewear while handling *Vinegar* during an investigation. According to the information on the MSDS, should you and the other students wear this kind of protective eyewear? In which section of the MSDS is the information found?
6. A student accidentally splashed some *Phenolphthalein 2% alcohol solution* into his eyes. According to the MSDS, what should be done?



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7. An experiment calls for a chemical whose C.A.S. number is 7722-84-1. Should you be using *Hydrogen peroxide* or *Ammonia hydroxide*?

8. What special precautions should be followed when handling and disposing of *Potassium nitrate*?

9. A preserved specimen in biology class is in *Formalin solution*. A student accidentally knocked the container off a lab table causing it to break on the floor. What should be done to protect the other students? How should the formalin be cleaned up and disposed?

10. Your school administrators have recently decided to ban *Axe Body Spray*. Use the MSDS to provide at least 3 reasons that justify their decision.

Reason 1:

Reason 2:

Reason 3: