

## Safety Data Sheets

### Activity 5-2

**Format:** Individual

**Time Frame:** 30-45 minutes

#### Description

This activity provides students with an opportunity to gain a deeper understanding Safety Data Sheets (SDS) and their role in evaluating plans for storing, handling, and using hazardous materials.

#### Materials

- Laptop, tablet, or phone
- Pen/pencil and paper

#### Background Information

- All SDS(s) are formatted the same way.
- Sections 1, 2, 3, 5, and 9 are the more important for fire plans examiners.
- Have the plan submitters provide them to you, don't research for them.
- If you need to, get the Chemical Abstract Service (CAS, also called a CASRN) number.
- This is the URL for the Safety Data Sheet Search website:
  - <https://chemicalsafety.com/sds-search/>

#### Instructions

1. Go to <https://chemicalsafety.com/sds-search/>
2. Look at the following three chemicals (selected by instructor):
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
3. For each material, answer the following questions:
  - What is/are the primary hazard(s)?
  - Is the material corrosive? Strongly?
  - What is suitable fire extinguishing media?
  - What is the material's flashpoint?
  - Does the material have the potential to cause cancer?