Activity 1: Worksheet 2 Answers

# Hazard hunt

Student Safety Sheets and Safety Data Sheets (SDSs) can be used to communicate the hazards associated with substances. It is also useful to be familiar with the hazards associated with some common chemicals so you can establish appropriate control measures for them.

Complete the table with suggestions for chemicals that have specific hazards associated with them, or determine the hazards associated with the given common chemicals.

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| Hazard | Chemical |
| Corrosive | e.g. hydrogen peroxide solution, sulfuric acid, bromine |
| Harmful to the environment | e.g. bromine, lead, arsenic |
| Flammable | e.g. formaldehyde, acetone, propane, aluminium powder |
| Oxidising | e.g. potassium nitrate, calcium ammonium nitrate, hydrogen peroxide solution |
| Corrosive | Sulfuric acid >2 M |
| Corrosive and Health hazard (Harmful) (solutions 0.1M–<0.4M are irritant;  <0.1M is not hazardous) | Sodium hydroxide solution (aq) |
| Corrosive and Health hazard (Harmful) | Sodium hydroxide solid (s) |
| Corrosive and Hazardous to the environment (solutions 0.15M–<0.4M are irritant; <0.15M is not hazardous) | Sodium hypochlorite |
| Severe Health Hazard, Corrosive and Health hazard | Formalin |
| Not classed as hazardous | Water |
| Corrosive and Flammable (solutions <0.4M–1.7M are irritant; <1.7M is not hazardous) | Formic acid |