

## ACIDS AND BASES

## LAB ACTIVITIES

1.

Divide students in 2 groups and assign each group one of the following tasks:

**Group 1: Determine if any of the products used in the detailing area are corrosive.**

- Select five products used in car detailing. Be sure to include wheel brighteners.
- Find the SDS for each product and identify the pH value.
- Write down the name of the **corrosive** products and their pH information.
- Check to see if the product labels show all the hazards listed in the SDS.

**Group 2: Evaluate the emergency eye wash station using this checklist:**

- Access path to the eye wash is clear
- The station is unobstructed.
- The wash station is plumbed:
  - There is a record indicating it has been checked.
  - The station was inspected once each week.
- The eye wash station is portable:
  - The date the solution was last replaced is \_\_\_\_\_
  - The station is maintained as recommended by the manufacturer.

2.

Give students 10 minutes to complete their assigned task.

3.

Ask each group to present their findings.

Ask students to determine if the 55ft distance to eye wash station requirement is met.

Ask students if there can think of other products in the shop that may be corrosive.

Discuss PPE requirements for handling acids and bases – refer to the PPE Table posted in the shop.

