

1st Quarter 2018 KWQM Safety Quiz

By the PWEA Safety Committee

1. How do Material Safety Data Sheets (MSDS) differ from Safety Data Sheets (SDS)?
 - a. SDSs are not concerned with the composition and handling of liquid chemicals.
 - b. MSDSs do not outline the dangers of specific chemicals and substances.
 - c. SDSs will be obsolete in 2015.
 - d. SDSs serve the same purpose of MSDSs, however, they are formatted to a standardized 16 section Global Harmonized System.
2. Which of the following is not required when entering a permit required confined space?
 - a. Wearing appropriate Personal Protective Equipment (PPE)
 - b. Testing for atmospheric hazards to determine acceptable conditions are maintained
 - c. An attendant to monitor personnel and air quality in the confined space
 - d. MSDSs for chemicals in the plant
3. A wall mounted gas meter display is reading high levels of H₂S and dangerous LEL and The alarm is not going off. After further inspection it was found that the alarm wire was disconnected. The most appropriate immediate action would be:
 - a. Ignore the gas readings – the alarm was disabled most likely due to false readings.
 - b. Obtain all necessary tools to re-attach the wires and recalibrate the meter.
 - c. Leave the area immediately and contact the proper personnel.
 - d. Obtain a portable gas meter to compare to wall mounted display.
4. Liquid Sodium Hypochlorite, NaOCl, is commonly used for disinfection of final effluent waters. Which of the following statements about this material is INCORRECT?
 - a. If mixed with acids, chlorine gas may be released from the solution.
 - b. If mixed with organic compounds, explosive and volatile organic compounds could form.
 - c. If mixed with wastewater, fecal counts may increase.
 - d. NaOCl exists as sodium and hypochlorite ions in water.
5. An inline grinder is found to be tripped and needs to be addressed. The most proper first step is to:
 - a. Electrically reverse the rotation to clear obstruction.
 - b. Remove the inspection plate and inspect with a flashlight and prodding rod.
 - c. Properly shut down the piece of equipment and lock and tag out.
 - d. Isolate the grinder by closing the suction and discharge valves.
6. The common practice of tailgate safety is most commonly described as:
 - a. Short reminders and continued conversation with employees on the importance of safety, safe conditions and procedures, and reviews of potential hazards
 - b. Making sure nobody trips over the cooler
 - c. Assuring the bungee cords are properly attached to the truck bed supports
 - d. Structured hour-long classes discussing a multitude of safety issues

Answers: 1d, 2d, 3c, 4c, 5c, 6a