



Training Solutions, Delivered!

# **TYPES OF CHEMICAL HAZARDS**

**Leader's Guide, Fact Sheet  
& Quiz**

**Item Number: 5183**  
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***This easy-to-use Leader's Guide is provided to assist in conducting a successful presentation.***

## **PREPARING FOR THE MEETING**

Here are a few suggestions for using this program:

- a) Review the contents of the Fact Sheet that immediately follows this page to familiarize yourself with the program topic and the training points discussed in the program. The Fact Sheet also includes a list of Program Objectives that details the information that participants should learn from watching the program.
- b) If required by your organization, make an attendance record to be signed by each participant to document the training to be conducted.
- c) Prepare the area and equipment to be used for the training. Make sure the watching environment is comfortable and free from outside distractions. Also, ensure that participants can see and hear the TV screen or computer monitor without obstructions.
- d) Make copies of the Review Quiz included at the end of this Leader's Guide to be completed by participants at the conclusion of the presentation. Be aware that the page containing the answers to the quiz comes before the quiz itself, which is on the final page.

## **CONDUCTING THE PRESENTATION**

- a) Begin the meeting by welcoming the participants. Introduce yourself and give each person an opportunity to become acquainted if there are new people joining the training session.
- b) Introduce the program by its title and explain to participants what they are expected to learn as stated in the Program Objectives of the Fact Sheet.
- c) Play the program without interruption. Upon completion, lead discussions about your organization's specific policies regarding the subject matter. Make sure to note any unique hazards associated with the program's topic that participants may encounter while performing their job duties at your facility.
- d) Hand out copies of the review quiz to all of the participants and make sure each one completes it before concluding the training session.

## **5183 TYPES OF CHEMICAL HAZARDS FACT SHEET**

**LENGTH: 1:17 MINUTES**

### **PROGRAM SYNOPSIS:**

Hazard Communication, commonly known as “HazCom,” refers to the procedures and processes used to effectively communicate to employees the hazards associated with workplace chemicals. Required by OSHA’s Hazard Communication Standard, your organization’s Hazard Communication Program includes a written plan that outlines essential elements of the program, such as container labeling, Safety Data Sheets, a listing of all hazardous chemicals onsite and employee training. The purpose of Hazard Communication training is to explain and reinforce the information conveyed through container labels and Safety Data Sheets so employees can apply this information in their workplace. As part of such training, this program reviews the three types of chemical hazards as defined by the Global Harmonizing System.

### **PROGRAM OBJECTIVES:**

After watching the program, the participant should be able to explain the following:

- What the three types of chemical hazards are;
- What the specific hazards are for each hazard type.

### **INSTRUCTIONAL CONTENT:**

#### **TYPES OF CHEMICAL HAZARDS**

- The Global Harmonizing System or “GHS” defines three types of chemical hazards: physical hazards, health hazards and environmental hazards.
- Chemicals that present a physical hazard are those that are flammable, explosive, reactive or can damage property or harm people.
- Chemicals that present a health hazard are those that may cause illness or injury to the skin, eyes, lungs or other organs and body parts.
- Chemicals that present an environmental hazard are those that cause harm to the aquatic environment, damage living organisms in water or cause damage to the earth’s ozone layer.
- The chemicals represented by each of these three general hazard types have been further divided into classes of hazards by the Global Harmonizing System. There are 10 classes of health hazards and there are 16 classes of physical hazards.
- The type and hazard class of any particular chemical, as defined by the GHS, helps determine the critical safety information and communication elements that appear on the container label and Safety Data Sheet.

**TYPES OF CHEMICAL HAZARDS**

**ANSWERS TO THE REVIEW QUIZ**

1. a

2. b

3. a

## **TYPES OF CHEMICAL HAZARDS**

### **REVIEW QUIZ**

Name \_\_\_\_\_ Date \_\_\_\_\_

*The following questions are provided to determine how well you understand the information presented in this program.*

1. Chemicals that present a \_\_\_\_\_ are those that are flammable, explosive, reactive or can damage property or harm people.
  - a. Physical Hazard
  - b. Health Hazard
  - c. Environmental Hazard
  
2. There are \_\_\_\_\_ of health hazards.
  - a. 5 classes
  - b. 10 classes
  - c. 16 classes
  
3. The type and hazard class of any particular chemical helps determine the critical safety information and communication elements that appear on the container label and Safety Data Sheet.
  - a. True
  - b. False