

PPE Refresher—Checking out factors in glove selection

Time Requirement: 1 hour total

Number of Instructors: 1 or more, consistent with ratio in Minimum Criteria

Materials

- Participant Guide and Worksheets
- Whiteboard or equivalent; markers
- Glove charts from various manufacturers
- Electronic resources such as smart phones, tablets, or laptops

Objectives

When completed, participants will be better able to:

- Use resources to determine appropriate level of protection by gloves

Teaching Methods

This session incorporates electronic resources to determine if gloves in use are appropriate for known hazard(s).

- Presentation/discussion
- Small-group activity

Suggested Instructor Preparation

- Review the Participant Guide and exercise
- Review the Chemical Protective Clothing (CPC), Work Practices and Decon sections of the program that these participants have completed
- Test all web links prior to the session and if any are inoperative please notify your Program Director
- Determine the gloves and supplier in use by participants (for contract classes)
OR
Develop an exposure scenario that requires gloves
- Obtain glove charts from various manufacturers (print as needed from website)
- Prepare handout of appropriate glove selection resources (may need to tailor the listing included here)
- Prepare examples of glove failures (e.g., too large, too small, too short, discolored, torn, hole)
- Prepare an outline for notes, including resources for selecting gloves when multiple chemicals may be contacted, to be included in the program file.
- Fill in the scenario at the top of the Worksheet(s); prepare copies
- Ensure that you have assembled all the materials needed for the exercise

Minimum Content Requirements

- Review Hand Protection standard
- Review factors considered in selection
- Exercise

Questions You May be Asked

1. Participants might remark, "Why isn't there one glove that prevents contact from all solvents?" Acknowledge that such a glove would be nice, but likely very expensive to develop and bulky.
2. "What do I do when my employer gives me the wrong PPE and tells me that I've got to wear it?"

Be prepared to facilitate a discussion on strategies to improve the company's PPE program through discussions with employee or management representatives. Emphasize that the law requires that employers provide adequate protection from hazards.

3. "What do I do when my employer does not provide the appropriate PPE?"

Be prepared to facilitate a discussion on strategies to improve the company's PPE program through discussions with employee or management representatives. Emphasize that the law requires that employers provide adequate protection from hazards.

Presentation of the Session

The session can be presented as follows:

Review the objective

Overview

Review the standard. Note that the hazards must be identified in advance and used for selection.

Factors Considered in Selection

Following the Participant Handout, review each factor. Illustrate as many as possible with 'pass around' examples that you have prepared.

Exercise– Glove Protection

Provide appropriate electronic (or print) resources based on supplier at worksite of the participants and at least one alternative supplier; for open enrollment, use two or more resources.

Working in groups, participants will use actual workplace exposure scenarios or those developed for an open-enrollment program. Groups might be assigned to use different resource(s) or use different scenarios.

From the completed Worksheets, facilitate a report back, contrasting the results from different resources or different scenarios.

Summary

Review the learning objective.

If time allows,

- Contrast the use of different resources (online single chemical search, charts, online multiple chemical resources)
- Illustrate use of the NIOSH Pocket Guide or other resources which can be used for initial information on glove use.

Ask: Based on this exercise, what takeaways do you have as you go back to work?

List them on a writing surface viewable by all

Answer any remaining questions.

Follow up

PPE Refresher—Checking out factors in glove selection-facilitator

Make this exercise better:

Forward suggestions to your Program Director

Are there other 'Questions you may be asked' that should be included?

Organize the listing of 'takeaways' and forward to your program director. These are very important impacts to report to NIEHS.

Checking out factors in glove selection worksheet

Exposure Scenario:

Work to be done: _____

Chemicals used or potentially in contact with:

Duration of task:

Constant contact with chemical (s)? Yes No

Incidental contact only? Yes No

Temperature: _____

Single use? Yes No (will be deconned and reused)

In small groups, use provided resources to complete the following, as appropriate.

1. Glove supplier/material currently used (if known): _____ / _____

Protective for the exposure scenario? Yes No

Why?

2. Glove supplier/material needed for the scenario: _____ / _____

Why?