

SOLVENTS

INSTRUCTOR'S GUIDE

MODULE OVERVIEW

This module provides an overview of solvents in collision repair. It presents information on how to identify products containing solvents and which work tasks generate exposure. Safe practices and procedures for working with solvents are highlighted. Selection and use of personal protective equipment – with emphasis on gloves – are discussed.

OBJECTIVES

When students have completed this module, they will be able to:

- Determine which products contain solvents using Safety Data Sheets.
- Identify tasks that generate exposure to solvents.
- Identify specific health effects induced by exposure to solvents.
- Demonstrate selection of gloves and eye protection suitable for protection against solvents.

CLASSROOM (20 min)

PowerPoint presentation: **Solvents.pptx**

Handout: **Solvents – Handout. pdf**

Instructor Tool Kit: none

LAB (15 min)

Solvents - Lab Activities.pdf – Demonstrate glove permeation using solvents. Explain how to use a chemical-resistant chart. Tell students what to do in case of a chemical spill. Show how to ground and bond flammable liquid containers during storage or transfer.

HOMEWORK

- **Solvents – Homework.pdf** - Identify the chemical-resistant gloves suitable for handling acetone. Read about how to handle flammable materials in Duffy, 6th edition.
- **Solvents- Homework – Key.pdf**
- **Quiz**

ADDITIONAL RESOURCES

“I want to know more” – folder – additional information on chemical-resistant gloves, latex allergies and OSHA PPE requirements

