

MODULE OVERVIEW

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

OBJECTIVES

After completing this module, you will be able to:

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

CLASSROOM

PowerPoint presentations:

- **Isocyanates – Part 1- Identification and Health Effects**
- **Isocyanates – Part 2- Control and Protection**

LAB

Learn how to use PPE correctly. Learn about paint booth set-up and mixing room ventilation requirements.

HOMEWORK

Isocyanates – Homework.pdf. Watch a 3-min video on asthma. Read a Factsheet on how to work safely with isocyanates. Read textbook and presentation materials on Labels and MSDS from I-CAR disc WKR01-PRCD01-E, or class textbook, as assigned by your instructor.

- **Quiz**

ADDITIONAL RESOURCES

“I want to know more” folder – additional information on isocyanates, work-related asthma, fatality investigation reports, and guidelines for spraying truck-bed lining insulation.

