

Automotive Technology 6th Edition

Chapter 7 – Environmental and Hazardous Materials

Lesson Plan



CHAPTER SUMMARY:

1. Hazardous waste
 2. Federal and State Laws
 3. Asbestos Hazards
 4. Used brake oil, used oil, and coolant disposal
 5. Used tire disposal, refrigerant oil disposal, lead-acid battery waste, and solvents
 6. Fuel safety storage and Airbag handling
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OBJECTIVES:

1. Identify hazardous waste materials in accordance with federal and state laws.
 2. Discuss asbestos hazards and asbestos handling guidelines.
 3. Explain the storage and disposal of brake fluid, used oil, coolants, lead-acid batteries, used tires, and air-conditioning refrigerant oil.
 4. Explain the characteristics of hazardous solvents, fuel safety and storage, and airbag handling.
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.

1. **Task Sheet:** Safety Data Sheet (SDS)
 2. Chapter PowerPoint
 3. Chapter Crossword Puzzle and Word Search
 4. Videos: [\(A0\) Automotive Fundamentals Videos](#)
 5. Animations: [\(A0\) Automotive Fundamentals Animations](#)
 6. Animations: [Environmental Animations](#)
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ACTIVITIES:

1. **Task Sheet:** Have students complete Safety Data Sheet (SDS) Task Sheet.
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ASSIGNMENTS:

1. Chapter crossword and word search puzzles.
 2. Complete end of chapter 10 question quiz.
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CLASS DISCUSSION:

1. Review and group discussion chapter [Frequently Asked Questions](#) and [Tech Tips](#) sections.
 2. Review and group discussion of the five (5) chapter [Review Questions](#).
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NOTES AND EVALUATION: