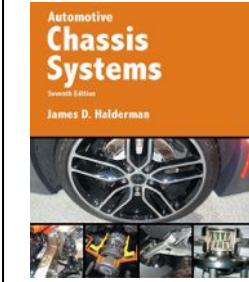


Automotive Chassis Systems



CHAPTER 02

Environmental and Hazardous Materials

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FIGURE 2.1 Material safety data sheets (MSDS), now called *safety data sheets* (SDS), should be readily available for use by anyone in the area who may come into contact with hazardous materials.



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FIGURE 2.2 Tags identify that the power has been removed and service work is being done.



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FIGURE 2.3 All brakes should be moistened with water or solvent to help prevent brake dust from becoming airborne.



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FIGURE 2.4 A typical aboveground oil storage tank.



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FIGURE 2.5 Washing hands and removing jewelry are two important safety habits all service technicians should practice.



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FIGURE 2.6 Typical fireproof flammable storage cabinet.



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FIGURE 2.7 Using a water-based cleaning system helps reduce the hazards from using strong chemicals.



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FIGURE 2.8 Used antifreeze coolant should be kept separate and stored in a leakproof container until it can be recycled or disposed of according to federal, state, and local laws.



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FIGURE 2.9 This red gasoline container holds about 30 gallons of gasoline and is used to fill vehicles used for training.



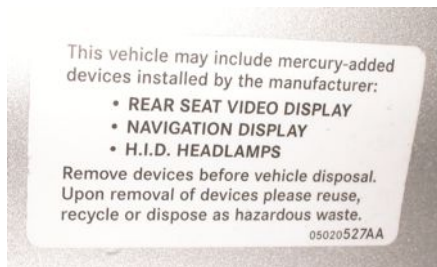
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FIGURE 2.10 Air-conditioning refrigerant oil must be kept separated from other oils because it contains traces of refrigerant and must be treated as hazardous waste.



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FIGURE 2.11 Placard near driver's door, including what devices in the vehicle contain mercury.



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FIGURE 2.12 The OSHA global hazardous materials labels.

<p>HEALTH HAZARD</p>  <ul style="list-style-type: none"> • CARCINOGENS • MUTAGENICITY • REPRODUCTIVE TOXICITY • RESPIRATORY SENSITIZER • TARGET ORGAN TOXICITY • ASPIRATION TOXICITY 	<p>FLAME</p>  <ul style="list-style-type: none"> • FLAMMABLES • PYROPHORICS • SELF-HEATING • UNSTABLE FLAMMABLE GAS • SELF-REACTIVE • ORGANIC PEROXIDES 	<p>EXPLANATION MARK</p>  <ul style="list-style-type: none"> • IRRITANT (SKIN AND EYE) • SKIN SENSITIZER • ACUTE TOXICITY • HARMFUL TO CORALS • HAZARDOUS TO OZONE LAYER (NON-FLAMMABLE)
<p>GAS CYLINDER</p>  <ul style="list-style-type: none"> • GASES UNDER PRESSURE 	<p>CORROSION</p>  <ul style="list-style-type: none"> • SKIN CORROSION/IRRITANT • EYE DAMAGE • CORROSIVE TO METALS 	<p>EXPLOSION BOMB</p>  <ul style="list-style-type: none"> • EXPLOSIVES • SELF-REACTIVE • ORGANIC PEROXIDES
<p>FLAME OVER CIRCLE</p>  <ul style="list-style-type: none"> • OXIDIZERS 	<p>ENVIRONMENT (NON-MANDATORY)</p>  <ul style="list-style-type: none"> • AQUATIC TOXICITY 	<p>SKULL AND CROSSBONES</p>  <ul style="list-style-type: none"> • ACUTE TOXICITY (FATAL OR TOXIC)

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