

3.16.2 Vehicle Maintenance: Autobody Repair

Tip Sheet #1

WASTE ORIGIN: Paint Stripping

WASTE TYPES: Solvents and Paints

WASTE REDUCTION AND RECYCLING METHODS:

- ! Avoid **unnecessary overspray**.
 - ! **Clean equipment** regularly.
 - ! Use **mechanical paint stripping system** such as plastic blast media.
 - ! Use non-phenolic or non-acid **stripper**.
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WASTE ORIGIN: Patching

WASTE TYPES: Filler Waste and Sand Dust

WASTE REDUCTION AND RECYCLING METHODS:

- ! Control inventory rigidly to minimize harmful **chemical filler** use.
 - ! Sweep or vacuum; **don't flush** to street or clarifier.
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WASTE ORIGIN: Paint Application

WASTE TYPES: Paint Waste, Spent Solvents, and VOC Emissions

WASTE REDUCTION AND RECYCLING METHODS:

- ! Control inventory rigidly to reduce **thinner** use.
- ! Practice better **housekeeping** to reduce leaks and spills.
- ! Mix **paint** according to need.
- ! Use **high transfer efficiency equipment** (e.g., equipment with low over-spray).
- ! Keep air pressure low and **spray gun** perpendicular to increase accuracy.
- ! Provide **operator training**.
- ! Practice proper **equipment cleaning** methods.
- ! Use fully-enclosed **gun cleaning** station.
- ! Reuse **cleanup solvent** in next compatible batch of paint.
- ! Recycle **solvent** on-site.
- ! Recycle solvent off-site using **thinner leasing agreements**.
- ! Contact **waste exchanges**.
- ! Make **leftover paint** available to customer.
- ! Use recyclable **paint filters**.
- ! Use **styrofoam filters**.

Sources:

Best Management Practices for Automotive Related Industries, Santa Clara Valley Pollution Control Program, CA.

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Guides to Pollution Prevention: The Mechanical Equipment Repair Industry, U.S. EPA, September 1992, EPA/625/R-92/008.

Vehicle Maintenance: A Self-Assessment Guide to Waste Prevention, Education and Management, Wisconsin Department of Natural Resources, Hazardous Waste Minimization Program, 2nd ed., 1993, PUBL-SW-188.

Vehicle Maintenance Pollution Prevention, Small Business Pollution Prevention Center, Iowa Waste Reduction Center, University of Northern Iowa, 1995.