

OLD DOMINION UNIVERSITY PROCEDURE FOR MANAGEMENT OF PAINTS AND PAINT RELATED MATERIALS

General

Many of us use paints (including stains) periodically as part of our work here at Old Dominion University. Most paints fall into one of two categories: water-based or oil-based. Water-based formulas are sometimes referred to as latex, vinyl, or acrylic. Oil-based formulas are sometimes referred to as alkyd, polyurethane, or varnish. Paints may be regulated as a "hazardous waste" when disposed, depending on the formulation. This fact sheet provides information about how to correctly manage paints and associated thinners.

What's Regulated

Oil-based paints (including stains) are regulated due to their flammability and the presence of volatile organic compounds (VOCs) such as xylene and toluene. Water-based paints are generally not regulated since they are nonflammable. However, paints (both water-based and oil-based) and stains that contain certain metallic pigments or fortifiers are regulated as a hazardous waste when disposed. These regulated metals include the following: cadmium, chromium, lead, silver, barium, mercury, arsenic, and selenium. Information concerning the presence of regulated materials and the type of formulation can be obtained from the label, Material Safety Data Sheet, or manufacturer. Aerosol cans containing paint and other materials are also regulated as a hazardous waste when disposed. This can be due to the oil-based paints in the can, certain chemical mixtures, or the propellants used to discharge them.

Water-based Paint

Never place wet paint in the trash, this is a violation of state regulations. When washing paint brushes, pans, and related materials that have been used with water-based paint, always use a drain that is connected to the sanitary sewer. Never wash paints to the storm sewer.

Oil-Based Paint

Where possible, substitute water-based paint for oil-based paint. If oil-based paint must be used, all wastes must be managed appropriately. Excess oil-based paints, since they contain VOCs, cannot be dried but must be collected by Environmental Health and Safety (EH&S). If paint cans have missing or deteriorated labels, you must replace them with your own label(s). Include manufacturer, product name, product number and chemical constituents. Never discharge any oil-based paint or residuals down the drain. Never air dry oil-based paint.

Paint Thinners

Used paint thinners must be collected and disposed via EH&S. Collect used thinners in metal cans or glass bottles with a tight fitting lid and label as "hazardous waste". Never discharge any paint thinners or residuals down the drain.

Aerosol Cans

Full or partially full aerosol cans must be collected and disposed via EH&S. Cans that have been emptied and contain no residual materials or pressure are not regulated as hazardous wastes and can be put into the trash. If the cans do not meet this criteria, they remain a hazardous waste subject to regulation.

Scheduling Disposal

Hazardous wastes including oil-based paints, thinners and aerosol cans, are currently picked-up when EH&S is notified and have received an inventory. Remember your waste can not be picked-up until you fill out the Waste form and submit it to EH&S. Once EH&S receives the form, a call will be made to schedule a drop-off or pickup of material. Never store the items in a vehicle, outside or location where they can be damaged by nature, weather or personnel. Gather all the items you want disposed of in a secure area (Can be a storage room, work bench, proper storage cabinet). Notify the EH&S you would like items disposed of.

Inventory

An inventory is required when scheduling a waste disposal. The inventory lets EH&S know what and how much they are picking up and what items to bring for the pick-up, such as packing material and PPE. An inventory can be done using the "Facilities / Paint Waste Disposal Form" (<http://www.odu.edu/facultystaff/university-business/safety/forms-pamphlets>). Submit the completed form by fax to 683-6025 or scan/email to ehsdept@odu.edu

Transporting Materials

If you chose to, and have received permission from EH&S, the items you want disposed of can be packed up and transported to the EH&S waste shed (Located at Facilities Plant) using a state vehicle. Items should be packed in boxes, milk crates or a plastic bin. Never use garbage bags or load into back of truck unsecured. Items not properly boxed up or secured could result in containers opening and spilling in vehicle and onto roadway or mix with a material that's incompatible and cause serious damage or injuries.

Appropriate Container

All waste must be put into appropriate containers such as glass bottles, plastic containers, or metal containers. Please also note that containers must have secure tops and be compatible with the waste(s) they are holding. Secure tops must be kept on containers at all times unless adding or removing waste.

Labels

Every container should have the original manufacturer label still attached or be full legible. If the label is missing or falling off, replace it with a paper label marked with the name of the material, the manufacture and chemical constituents.

Any questions on proper storage, packing or disposal of paints and paint related material, contact EH&S at 683-4495.

**OLD DOMINION UNIVERSITY
EH&S
FACILITIES / PAINT WASTE DISPOSAL FORM**

NAME:		DEPT:	
BLDG/ROOM NO:		PHONE NO:	
DATE:		Waste location:	
CHEMICAL NAME Example: Latex Paint		QUANTITY 23 @ 1 gallon	

Send requests to EH&S via email ehsdept@odu.edu, campus mail or fax 683-6025