

Identification of Mercury Devices in School Science Rooms

Please use this table to help you identify and locate mercury-containing products in science classrooms and labs. Please indicate on the following list (1) whether you have any of these mercury-containing items, (2) the total number or amount of each item that you currently use and/or store, and the number of replacement items you might need, and (3) the location of both used and/or stored items. The last column lists possible non-mercury replacement products.

SCIENCE ROOMS						
Item	(1) Do you have it (them)?		(2) Usage/Replacement		(3) Location of items	Non-Mercury Replacements
	Yes	No	Total Number or Amount of Item (used and stored)	How many replacements do you need?		
Elemental Mercury						None
Mercury Lab Thermometer						Alcohol and mineral spirits glass bulbs, and digital
Mercury Barometer						Aneroid and digital; new liquid one being developed
Mercury Hygrometer						Spirit-filled glass bulb, digital and aneroid
Mercury Hydrometer						
Mercury Vacuum Gauge						
Hg Spectral Tube						16 alternative gases are available
Mercury Molecular Motion Device						
Mercury Sling Psychrometer						Mineral spirits glass bulb thermometers, some can fit in old frames

SCIENCE ROOMS						
Item	(1) Do you have it (them)?		(2) Usage/Replacement		(3) Location of items	Non-Mercury Replacements
	Yes	No	Total Number or Amount of Item (used and stored)	How many replacements do you need?		
Mercury Compounds (mercury oxide, chloride, sulfate, nitrate, iodide; Zencker's solution; or other compound)						None
Mercury Gas Law Apparatus						A simple Charles' Law Apparatus may suffice.
Other mercury-containing instruments:						

Contact Information

Name: _____

Title: _____

Phone: _____

Fax: _____

E-mail: _____

School Name : _____

Identification of Mercury Devices in School Medical, Home Economic, Art and Other Rooms

Please use this table to help you identify and locate mercury-containing products in medical offices, home economics and art classrooms. Please indicate on the following list (1) whether you have any of these mercury-containing items, (2) the total number or amount of each item that you currently use and/or store, and the number of replacement items you might need, and (3) the location of both used and/or stored items. The last column lists possible non-mercury replacement products.

MEDICAL, HOME ECONOMICS & ART, OTHER						
Item	(1) Do You Have It (Them)?		(2) Usage/Replacement		(3) Location of items	Non-Mercury Replacements
	Yes	No	Total Number or Amount of Item	How many replacements do you need?		
MEDICAL						
Mercury Fever Thermometer						Digital, glass bulb non-mercury (gallium, indium, tin), and tympanic
Sphygmomanometer (Blood Pressure Device) - with silver liquid, hand-held unit, mobile unit, or wall unit						Aneroid and digital.
Mercury thermometer for freezers, refrigerators, and incubators						Spirit filled thermometers
HOME ECONOMICS & ART						
Mercury Cooking Thermometer (with the silver liquid)						Spirit-filled glass bulb, and digital
True Vermillion Paint (contains mercuric sulfide)						Request mercury-free vermilion paints, but be aware that these paints may contain other hazards, such as cadmium.

MEDICAL, HOME ECONOMICS & ART, OTHER						
Item	(1) Do You Have It (Them)?		(2) Usage/Replacement		(3) Location of items	Non-Mercury Replacements
	Yes	No	Total Number or Amount of Item	How many replacements do you need?		
Cadmium Vermillion Red						Same as above.
OTHER						
Mercury Oxide or Mercury Zinc Batteries (old alkaline type, prior to 1996) and Button Batteries						No alternatives available for button batteries. Newer alkaline batteries don't contain mercury.

Contact Information

Name: _____

Title: _____

Phone: _____

Fax: _____

E-mail: _____

School Name: _____

Identification of Mercury Devices in School Facilities

Please use this table to help you identify and locate mercury-containing products in school facilities. We recommend that you keep a record of mercury-containing equipment or place a tag on the equipment, indicating that it contains mercury and must be properly disposed of. Inventorying your mercury-containing equipment can help you remember to handle this equipment as hazardous waste when the time comes to replace or service it.

FACILITIES				
Item	(1) Do You Have It (Them)?		(2) Location of items	(3) Non-Mercury Replacements
	Yes	No		
Fluorescent lamps			Do you currently recycle them? Yes No	Low-mercury fluorescent lamps are available (identified by green ends) but should still be recycled.
Mercury Thermostats				Non-mercury sealed switches, and programmable and non-programmable electronic . Some HVAC wholesalers collect mercury thermostats for recycling. For more info contact: Ric Erdheim, Thermostat Recycling Corporation, (703) 841-3249 http://www.nema.org/index_nema.cfm/664/
Mercury Vapor Lamps, Metal Halide Lamps, High-Pressure Sodium Vapor Lamps				Sylvania makes a non-mercury, high-pressure sodium lamp called Lumalux. (Mercury vapor lamps are the oldest and least efficient high-intensity discharge lamp.)
Mercury Gauges				Depends on the application.
"Silent light" switches				Light switches no longer contain mercury. Manufactured prior to 1991, mercury light switches look like typical wall switches, but they do not make the audible "click" sound when activated
Mercury Float Control Switches (e.g. on Sump Pumps)				Non-mercury alternatives are available. For more information, see: http://abe.www.ecn.purdue.edu/~mercury/src/devicepage.htm#mcs
Flow Meters with Mercury Switches				For most uses, your supplier will have a non-mercury model.
Other equipment with				Non-mercury alternatives are available, such as hard-

FACILITIES				
Item	(1) Do You Have It (Them)?		(2) Location of items	(3) Non-Mercury Replacements
	Yes	No		
mercury switches (e.g., flame sensors, fire alarms, safety valves)				<p>contact switches, solid-state switches, electro-optical switches, inductive sensors, capacitive sensors, photoelectric sensors, and ultrasonic sensors. For more information, see:</p> <p>http://abe.www.ecn.purdue.edu/~mercury/src/devicepage.htm</p> <p>http://216.239.33.100/search?q=cache:tZNhDsKYIsC:www.informinc.org/fsmercaltts.pdf+non-mercury+flow+meter&hl=en&ie=UTF8</p>
Old fungicides and pesticides (prior to 1991)				<p>You may be able to dispose of fungicides and pesticides through your town's Household Hazardous waste program (usually a part of your town's Recycling Program, Public Works, or Board of Health.) Contact your town or the DEP Household Hazardous Waste Hotline 800-343-3420 for more info.</p>

Contact Information

Name: _____ E-mail: _____

Title: _____ School Name: _____

Phone: _____

Fax: _____