

Mercury Wastes

Since mercury is such a highly toxic chemical, few landfills continue to accept waste containing this dangerous material. Below are two suggestions for reducing the mercury in your lab.

Cutting Down on Mercury Salts

Try to find a suitable non-hazardous substitute for mercury salts. If your research requires the use of mercury salts or organic-metallic salts containing mercury, make sure you purchase only the exact quantity of these items needed. There are practically no disposal sites that continue to accept items with mercury in them. These same disposal difficulties apply to mercury salts and compounds containing mercury—mercuric chloride, mercuric oxide, mercuric acetate, or mercurochrome.

If you have questions concerning a mercury substitute, call DOES at x2907.

Use Non-Mercury Thermometers

Various companies have created a non-mercury "environment friendly" thermometer. Though they are slightly less accurate than mercury thermometers, they are also much cheaper—about one fourth the cost. Because the thermometers contain no mercury, clean-up is easy if an accident occurs and no hazardous waste is created.

Equipment used in conjunction with thermometers—heat blocks, ovens, incubators—becomes contaminated if a mercury thermometer should break during the experiment. The equipment must often be thrown out since mercury may bond with metal. Mercury is also more volatile in hotter temperatures, and it evaporates quickly, so be extremely careful in this type of situation.

In order to reduce hazards associated with mercury, please consider purchasing an alcohol thermometer for your laboratory.

Mercury Storage Tips

• Keep containers covered and stored in secondary container in a well-ventilated area.

• Check tubing and glassware periodically for leaks and cracks.

• Consider using a drip pan to contain possible spills where mercury is stored.

• Mark all mercury containers correctly with hazardous chemical labels.

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Bloodborne Pathogen (x2907)

•New Training: Mondays 3-4:30 (Service Building Conference Room)

• **Retraining:** July 10 (10-11:30), 23(2-3:30) (Service Building Conference Room) **Please call to reserve a space for BBP Retraining sessions; space is limited.**

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Dimethylmercury Causes a Death

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ing trouble speaking and hearing in January, though she spilled the mercury five months

HOT TIPS



Internal Transfers of Radioactive Material

It has come to our attention that internal transfer of radioactive materials prior to approval from the Radiation Safety Office (RSOF) sometimes occurs. This procedure violates terms of our licensed programs. Therefore, do not transfer radioactive material, either internally or externally, until the proper forms have been completed and approved.

A copy of the "Authorization for Internal Transfer of Radioactive Materials" form is found in the Radiation Safety Manual (form 8). Both the sending and receiving Authorized Users (AUs) should sign the form. Send the form on to the RSOF for approval; a copy of it signed by the RSOF will be returned to both parties. Ony then can the transfer of materials occur.

Please do not transfer materials without waiting for approval from the RSOF. Call DOES (x2906) with any questions.

Radioisotope Inventory Report

Fume Hood Testing

Chemical fume hood testing is now occurring on campus. Millis, the BRB, Morely, and the Biololgy building are completed, with the rest of the campus scheduled as follows:

SmitheaHG WoodmBinghamlaRockefellerlaMed School—EasteaUCRCmGlennanmWhitemOlinmWickendenmDental SchoollaPathologyla	est Date rly July id-July te July te July rly August id August id August id August id August id August te August te August rly September
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beside each name gives the last training session attended by that worker. All lab personnel who work with radiation must be retrained yearly, so inform workers needing re-training of upcoming dates for radiation re-training sessions. This information can be found on page 2 of the DOES newsletter.

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