

Laboratory Hazardous Waste Management

This guide and the accompanying procedures apply to all operations on NCKU campuses generating hazardous chemical, biological or sharp wastes. The guidelines should be read in order to minimize risks associated with the disposal of laboratory waste.

All safety precautions are required for handling and storage of chemicals. All workers must attend the Laboratory Health and Safety Trainings and obtain the certification. All workers must wear Personal Protective Equipments when working in the laboratory.

Definition

Laboratory waste includes solid waste, liquid waste, biological waste and waste chemicals.

Packaging

All waste must be appropriately packaged for the waste category. (The categories are listed below.)

* Waste chemicals must be packaged in cartons with chemical compatibility. Do Not Pour it Out!!

Storage

- **Liquid waste**

All liquid waste must be stored in 10L/20L liquid waste containers and placed in leak-proof plates.

- **Solid waste and Biological waste**

Solid waste and biological waste must be placed in red plastic bags.

*Waste containers and red plastic bags are available at ESH Center.

Labeling

All containers and red plastic bags must be labeled by waste stickers with appropriate waste category accordingly. All fields need to be filled with correct information.

Chemical Compatibility

When disposing chemical waste, it is the worker's responsibility to ensure that incompatible chemicals are not stored in the same container.

Classification Code	Waste Catalogue	
A	Organic liquid waste	Halogen-containing liquid waste
B		Halogen free-containing liquid waste
C		Waste oil
D	Inorganic liquid waste	Cyanide-containing liquid waste
E		Mercury-containing liquid waste
F		Acidic liquid waste
G		Alkaline liquid waste
H		Heavy metals-containing liquid waste
I	Solid waste	
X	Biological Waste	

實驗室有害廢棄物管理

進入實驗室人員須遵守使用化學品安全衛生注意事項，依法參加一般安全衛生教育訓練，並完成測驗取得合格證書，並著個人防護具(含：實驗衣、護目鏡、實驗手套、防護面具...等)，始得開始實驗。

定義

實驗廢棄物分為固體廢棄物、廢液、生物醫療廢棄物及廢棄化學品。

包裝

廢棄物需依照有害廢棄物分類表進行分類包裝。(如下表)

*廢棄化學品請依化學相容性用紙箱分類貯存，無需將瓶內容物倒出!!!

貯存

- **廢液**
廢液需用本校提供之 10L/20L 廢液桶盛裝，並於下方擺放盛盤以防止洩露。
- **固體廢棄物及生物醫療廢棄物**
固體廢棄物及生物醫療廢棄物須以本校提供之紅色垃圾袋盛裝。

*廢液桶及紅色塑膠袋皆可至環安衛中心領取。

標示

所有廢液桶及紅色塑膠袋外，皆須貼上相對應的廢棄物分類標籤貼紙，並妥善填寫廢棄物相關資料。

化學相容性

實驗廢棄物應依不同性質進行分類收集，不具相容性之實驗廢棄物應分別收集貯存。

進場分類碼	廢棄物種類	
A	有機廢液	含鹵素
B		非鹵素
C		廢油
D	無機廢液	含氰
E		含汞
F		酸
G		鹼
H		含重金屬
I	固體可燃	
X	生物醫療	