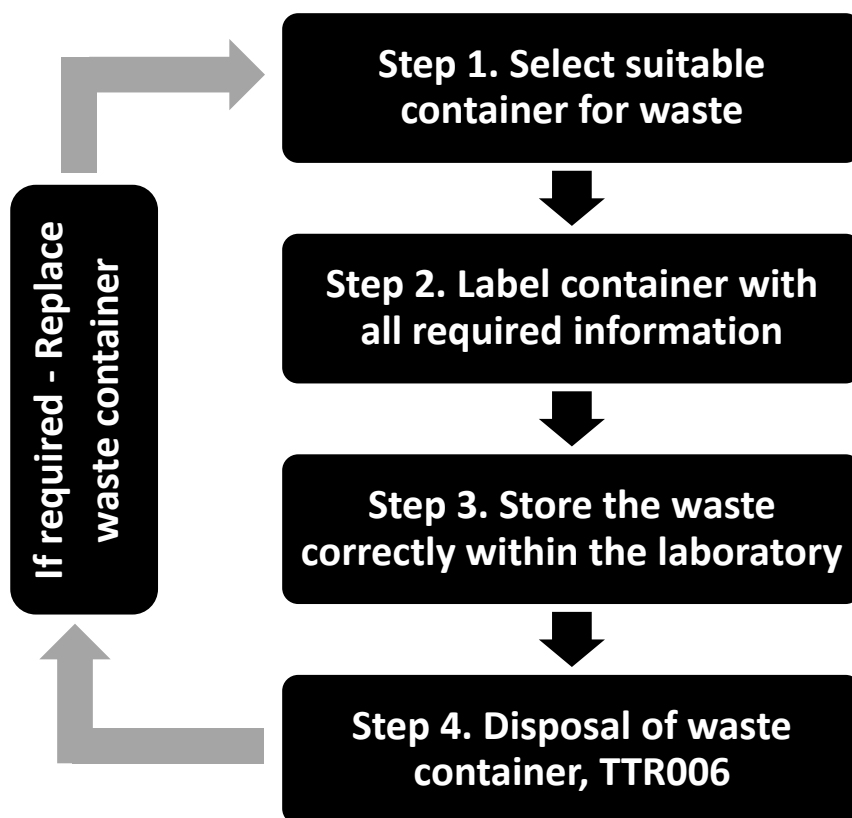
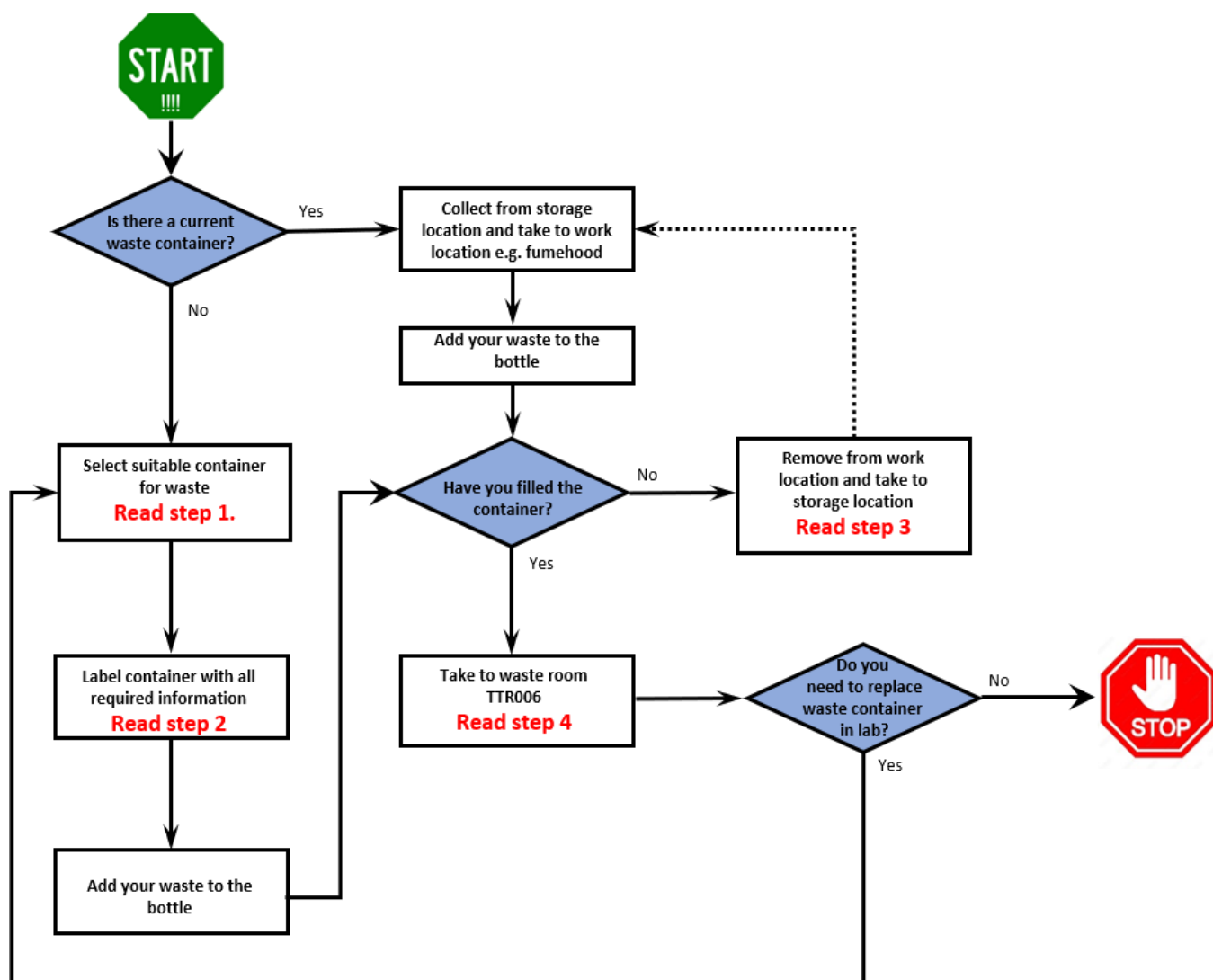


# Standard Procedure for Storage and Disposal of Hazardous Chemical Waste from SBS Research & Teaching Laboratories



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## 1. Selection of container for waste:

This section should be read in conjunction with [regulation 12.2\(2\)](#) of the Health and Safety at Work (Hazardous substances ) Regulations 2017.

A suitable container **must** be:

- a. in sound condition; and
- b. will safely contain the hazardous substance—
  - within the range of temperatures at which the container is to be used; and
  - while the substance is likely to be contained; and
- c. is made of material that is compatible with, and will not be adversely affected by, the hazardous substance; and
- d. does not usually contain food or beverages and cannot be mistakenly identified as containing food or beverages.
- e. **If you are going to use a re-cycled chemical bottle, ALL the existing labelling must be removed first. Simply crossing out existing labels with a pen is NOT ACCEPTABLE**

## 2. Labelling of container for waste:

This section should be read in conjunction with [regulation 2.3](#) of the Health and Safety at Work (Hazardous substances) Regulations 2017.

A suitable label **must** contain:

- a. the material name of the waste e.g. 70% ethanol; or
- b. the nature of the waste as closely as possible e.g. Chlorinated solvent waste, or Chromium VI waste  
**NB: Labels such as “HPLC waste”, “Centrivap waste”, “Bradford reagent” or “Equilibrium solution” describe the source of the waste and NOT the nature of the waste. These are NOT ACCEPTABLE. Likewise, generalised names such as solvent waste or toxic waste are also NOT ACCEPTABLE.**
- c. Date
- d. Your Name. If waste is communal, i.e. several people in the lab contribute to it. Then the name of the lab manager or the name of the lab is an acceptable alternative.
- e. Pictogram of relevant HSNO class(es) e.g.



- f. Sticky labels with space for Chemical name, User, Date and containing a pictogram should be available in your lab (see lab manager) or obtained from reception.

Chemical:

Date:

User's Name



*NB: For communal waste containers where anyone may put small quantities into it is advisable to keep a log of the contents. This should be attached to the bottle (when taken to the waste room), such that the chemical waste company can be assured of the specific chemicals they are handling. It also allows people to check that what they are adding is compatible with existing contents. See Appendix 1 for example*

### 3. Storage of waste container:

ALL hazardous waste **must** be stored in the same way, as hazardous substances of a similar HSNO class are required to be. i.e. flammable waste is to be stored in flammables cabinet.

**NB: Long-term storage in fume hoods is NOT ACCEPTABLE.**

**Once the container is full, transfer to the TTR waste room TTR006 (see step 4)**

### 4. Disposal of waste container:

When the container is almost full (80-90% of the containers volume), close it off and prepare to transfer it to the SBS Hazardous Waste Room, TTR006.

- a. **For highly hazardous substances:** Print a copy of the SDS for the substance(s) and attach this to the container.
- b. Obtain the key for TTR006 from reception.
- c. Transfer the container of hazardous waste within a sealed secondary containment e.g. bottle carrier. If necessary, use a trolley to transport the container.
- d. When you arrive in TTR006, fill in the "SBS Chemical Disposal Register" and label your bottle with its chemical disposal registry number.

<b>Chemical Disposal Register for SBS</b>							
<b>Please write clearly, in capital letters</b>							
Registration # Write this number on the container	Chemical(s)	(Concentration & Percentage)	Quantity	Date of disposal	Person disposing of chemical(s)	MSDS provided? Needed for highly hazardous chemicals	Comments, including room of origin, tracking number, etc
1	Ethanol	85%	2.5L	1/1/2017	Derek Heath	No	BMSC323 TTR103
2	Copper sulphate	100% (residue)	Empty container	1/1/2017	Derek Heath	Yes	TTR102

- e. Flammable waste should be placed in room TTR007 (room to your left when standing in front of the disposal register)
- f. Waste of other HSNO classes (4, 5, 6 & 8) should be placed in room TTR005 (room to your right when standing in front of the disposal register) in the appropriately labelled bin.
- g. **NB: Never place substances in the same bin as an incompatible chemical**
- h. Return key to reception
- i. If required create a new container for future waste (See steps 1 & 2) and return it to its normal storage location (see step 3).

## Appendix 1

Example: Halogenated solvent Waste Log (Can be used as template for other classes of waste)

Date	Chemical Name	Conc.	Volume	Name
3/4/22	Chloroform:Isoamyl Alcohol (24:1)	24:1	40mL	Joe Bloggs
3/4/22	Carbon tetrachloride	100%	1L	Joe Bloggs