**Hazardous liquid waste disposal**

**SOP# 03.102.01**

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**Purpose**

This SOP describes the procedure used to dispose of liquid waste that is chemically hazardous. For example it may because it either contains g incompatible with bleach or is flammable

**Scope**

Waste disposal purposes

**Regulatory References**

* Biosafety in Microbiological and Biomedical Laboratories, Centers for Disease Control and Prevention/National Insitutues of Health, 5th Ed. U.S. Department of Health and Human Services.  Washington, DC: 2009
* MIT Environmental Health and Safety regulations

**Responsibility**

* Responsibility of experimentalist – understanding and performing this procedure as described; reporting any deviations or problems to area supervisor; adequately documenting the procedures and results
* Area manager or supervisor – ensuring that the analyst performing this procedure is qualified; ensuring that the procedure is followed and update the procedure as necessary

**Definitions/Abbreviations**

* mL – milliliters
* EHS - Environmental Health and Safety
* L - liter

**Related Documents**

NA

**Required Equipment and Materials / Reagents**

* EHS hazardous waste disposal tag, provided by EHA. This tag must be tied to the accumulation container and must be labeled as follows while that container is less than three quarters full:
  + Name of chemical: name of chemical contents written in English, no abbreviations. For example: Waste from biological extraction kit, do not mix with bleach. Contains guanidine hydrochloride and <5% ethanol
  + Statement of hazard: Ignitable, reactive, corrosive or toxic. For example used in name of chemical the experimentalist would check ignitable and reactive.
  + Bldg/Room#: building and room of laboratory location
  + Generator: name of experimentalist
  + P.I.: name of area supervisor
* EHS approved satellite accumulation area
* EHS approved Chemical fume hood, any approved chemical fume hood is acceptable
* Clean empty plastic bottle no more that 2L in capacity to be used as a waste accumulation container.
* Clean plastic bin, labeled as satellite accumulation area, provided by EHS for secondary containment of waste accumulation container.

**Precautions**

* Personal protection equipment including gloves, lab glasses, and lab coat must be worn when executing this procedure
* Storage and pooling of hazardous waste streams must be done in the chemical fume hood
* Chemical fume hoods must be inspected annually. Chemical fume hoods are inspected and maintained annually by MIT EHS.

**Procedure**

1. The following steps must be performed in a chemical fume hood.
2. Uncap waste accumulation container
3. Pour waste into accumulation container
4. Cap waste accumulation container
5. If step 3 results in the accumulation container being less that thee quarters of the way full procedure is complete, otherwise continue with steps 6-8.
6. Write date container filled on hazardous waste tag
7. Submit waste collection request to EHS
8. Waste must be collected by EHS within three days

**Version History**

**NA -** This is version 1 of 1

**Worksheets**

NA

**Appendix**

NA