UNBC Lab Waste Planning Worksheet

1. Identify Techniques and Methods (Suggested resources: methods manual, material safety data sheets)

|  |  |
| --- | --- |
| Technique: |  |
| Materials used/produced (include concentration, mass,etc.) | Relevant information (LD50, LC50, health hazards, biodegradability, reactivity, other) |
|  |  |
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|  |  |

1. Materials/Products

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Material/Combination | Hazardous | Non-hazardous | Unsure | Neutralizable | Comments |
|  |  |  |  |  |  |
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Strategies to minimize environmental impact of laboratory and research wastes

* 1. Reduce
     1. Reduce the quantity used
     2. Reduce the volume of the waste produced
  2. Neutralize-render hazardous materials non-hazardous
     1. Sterilize
     2. pH
     3. Reduce/oxidize
  3. Segregate
     1. Keep strongly toxic/reactive materials away from innocuous ones
     2. Keep low-hazard flammables separated for alternative use
     3. Avoid incompatibilities
  4. Keep accurate record on label
     1. Concentration
  5. Follow the correct waste stream
     1. Landfill
     2. Sewer
     3. Organic
     4. Halogenated organic
     5. Toxic aqueous
     6. Oxidizer
     7. Biohazardous