Safety Assessment Form

# Basic Information:

|  |  |
| --- | --- |
| **AIChE Community Affiliation:**  *Student Chapter Name, Local Section Name, Other AIChE Community Name (Technical Entities, Divisions, Forums, Committees, Operating Councils, etc)., Undergraduate Student Member(s), Graduate Student Member(s), Professional Member(s)* |  |
| **Primary Contact Name:** |  |
| **Primary Contact Email Address:** |  |
| **Name of Module:** |  |
| **Brief Description of Module:** |  |
| **Does your module have a demonstration or experiment component?**  *Indicate Yes or No* |  |
| **Briefly describe any interactive portions of your module:** |  |

# Materials Used/Waste Generated:

*If you need additional space, please insert additional rows and continue numbering sequence.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Item**  *Include concentration where applicable* | **Chemical State**  *Where applicable, specify solid, liquid, or gas. Otherwise write “N/A”* | **Estimated quantity used**  *include units where applicable* | **Estimated amount of waste generated**  *Include units where applicable* | **Waste Classification**  *Where applicable, specify Acid, Base, Organic, Metal, Oxidizer, Other (include explanation if other), or Regular trash* |
| **1** |  |  |  |  |  |
| **2** |  |  |  |  |  |
| **3** |  |  |  |  |  |
| **4** |  |  |  |  |  |
| **5** |  |  |  |  |  |
| **6** |  |  |  |  |  |
| **7** |  |  |  |  |  |
| **8** |  |  |  |  |  |
| **9** |  |  |  |  |  |
| **10** |  |  |  |  |  |
| **11** |  |  |  |  |  |
| **12** |  |  |  |  |  |
| **13** |  |  |  |  |  |
| **14** |  |  |  |  |  |
| **15** |  |  |  |  |  |

# Access to 120V power outlet:

|  |  |
| --- | --- |
| **Access required?**  *Respond Yes/No in the space provided* |  |
| **If yes, specify reasoning/any equipment it will be used for:**  *Please note that outlets requested to plug in laptops/monitors will not be granted* |  |

# Hazard Identification & Mitigation:

*Please ask yourself the following questions prior to completing the below table.* ***1) What can go wrong?*** *(Identification of Hazards);* ***2) How bad can it be?*** *(Severity of Hazards);* ***3) How easily or often can it happen?*** *(Frequency or Likelihood);* ***4) How is the risk managed?*** *(Both preventive & mitigation safety measures)*

|  |  |
| --- | --- |
| **Hazards:**  *Describe any hazards associated with the above list of materials used and waste generated and any other hazards associated with the execution of the module* |  |
| **Safety Measures:**  *Describe any safety measures that will be taken to mitigate hazards identified above* |  |
| **Required PPE:**  *Specify required PPE, who is required to use it, and within what proximity* |  |

# Certification:

**I certify that this module is safe for presentation to K-12 community members (including students, parents, and educators) and to AIChE volunteers and community members. I additionally certify that this module is safe for presentation by K-12 community members (such as parents & educators) and by AIChE volunteers and community members.**

|  |  |  |
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|  |  |  |
| **Primary Contact Name** | **Primary Contact Signature** | **Date** |