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| **Experiment** | **Safety Equipment** | **Safety Concerns** | **Danger Mitigation** |
| Engineering a Better Air Bag | Goggles  Gloves  Apron | Vagrant children entering my house and suffocating themselves on any loose plastic bags.  Wandering pets entering my house and consuming egregious amounts of baking soda and vinegar, as well as suffocating themselves on any loose plastic bags. Maybe they have a latex allergy too.  Splashing vinegar in my eyes or the eyes of the loose vagrant children and pets that have entered my house. | Wear proper PPE.  Ensure no one is around without proper PPE, and secure the dangerous containers of *vinegar* and *baking soda*.  Store all the chemicals in a secure, high location. |