

Safety Procedure for **Liquid Nitrogen Bomb**

1. The area where the demonstration is to be performed shall be cordoned off, so that no audience members can be closer than 2m to the bin at any point in time.
2. Only perform the demonstration with our reinforced and padded bin.
3. Ensure that there is at least 50cm of water in the bin.
4. Ensure that a weight is securely tied to the bottle to hold it below the water.
5. Always ensure that everyone is prepared and aware before putting the cap on the bottle.
6. When you put the cap on the bottle and put it into the bin move away behind the rope as soon as possible.
7. Make sure that you put the cap on tightly (so that no leakage will occur).

General Liquid Nitrogen Safety:

1. Always wear fully covered shoes with either long pants (that cover the tops of the shoes) or sock protectors provided. This prevents pooling of liquid nitrogen in shoes.
2. Always remove all metal from hands, arms and feet (including rings, necklaces, bracelets, watches, anklets) before approaching liquid nitrogen.
3. Never splash liquid nitrogen towards people or in a person's face.
4. Never enter an airtight space, such as an elevator, with a container of liquid nitrogen.
5. Never run with a container of liquid nitrogen.
6. If pouring liquid from one container to another, always put the container being poured into on the floor for stability and reduction of spillage.
7. Never touch an item that has been frozen in liquid nitrogen with bare hands; always wear thick gloves provided.

If the bottle doesn't pop:

It is likely that there is a hole or leak in the bottle, and it will depressurize in time. Leave the bin closed and in the cordoned off area for as long as possible (half an hour or longer) with several demo troupe members closely supervising, ensuring that no one approaches closer than 2m. After this waiting time, a demo troupe member wearing the protective face mask and thick gloves can approach the bin and determine whether the bottle is safe to remove.