

## Instructions for Use of Cyanoacrylate Ester Fuming Equipment

### Safefume Cyanoacrylate Ester Fuming Chamber:

- 1) Turn power on. Ensure the setting of 80 % relative humidity and a fuming time that allows for sufficient deposition of cyanoacrylate ester vapors is selected.
- 2) Verify the water level in the humidifier is at or near the fill line.
- 3) Place 5 to 10 drops of cyanoacrylate ester (super glue) in a foil dish and place the dish on the hot plate (Do not place cyanoacrylate ester directly on hot plate).
- 4) Close and seal the door using the installed clamps.
- 5) Set cycle fuming run time.
- 6) When complete, the words "Cycle Complete" will flash and an alarm will sound until the doors are opened. Open door and turn power off.

### Cyanovac:

- 1) Remove the end cap from the Cyanovac chamber by releasing the elastic T-straps.
- 2) Place 5 to 10 drops of cyanoacrylate ester (super glue) in a foil dish and place into chamber.
- 3) Verify o-ring is present on endcap and then place the end cap on the chamber and fasten using the elastic T-straps.
- 4) Close the chamber bleed valve.
- 5) Turn power on.
- 6) Once complete, turn power off.
- 7) Open chamber bleed valve to equalize pressure and remove chamber end cap.

### Super Glue Fuming Wand:

#### **Fueling Process-**

- 1) Verify the on/off button is in off position.
- 2) Press the nozzle of the refill can into the port of the wand handle. The gas will overflow when the port is full.
- 3) Verify that the port is properly fueled.

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- 4) Move the on/off button to the on position and allow butane to flow for several seconds and then turn to the off position.

### **Ignition Process-**

- 1) Set the on/off switch to the on position.
- 2) Push and hold the ignition button several seconds after it clicks.
- 3) Release ignition button and verify the system is ready for use.
- 4) Wand temperature can be controlled by moving the gas flow control.
- 5) To power off, set the on/off switch to the off position.

### **Latent Print Development-**

- 1) Install a fresh disposable fuming cartridge and place tightly on the end of the wand.
- 2) Once cyanoacrylate ester fumes appears, control the size of the fumes by utilizing the gas flow control.
- 3) Hold the fuming wand 6"-9" from the item to be processed and pass the wand over the entire desired area of the item.
- 4) Remove the wand, power off and allow wand to cool.

### **Cyanoacrylate Ester Fingerprint Development Kit:**

- 1) Remove contents of the kit and empty activator packet into the base of the containment vessel.
- 2) Place the activator canister hole-side down (make a hole in the bottom of the canister, if needed) and place into the containment vessel.
- 3) Open the cyanoacrylate ester container and empty into the metal cap area of the activator canister.
- 4) Place the vessel into the area to be fumed. Check the area frequently to avoid over-processing.
- 5) Remove vessel and discard appropriately.