

LABORATORY MICRO BURNER SAFETY

The laboratory micro burner produces a flame and burns at a high temperature. The burner is stable and tip-resistant. Push-button auto ignition makes lighting the burner easy. However, all burners present fire hazards so it is important that the following guidelines be observed.

Safety Guidelines:

- Burners must only be used under instructor supervision.
- Tie back long hair and do not wear loose sleeves, scarves or jewelry.
- Never reach over an exposed flame.
- Use tongs when holding objects in the flame.
- Never leave a lit burner unattended.
- Turn off the Micro Burner when not in use.
- Always wear safety eye protection.
- Always use in a well-ventilated area, only on a non-combustible surface
- Operate the Micro Burner away from any overhead shelving and other combustible materials like loose papers
- Place the Micro Burner 30-40 cm from the edge of the bench to operate
- Never look directly into a test tube or beaker while heating; angle the test tube away from you
- Be sure to allow sufficient time for the unit to cool before moving or storing the Micro Burner
- For additional information visit https://bit.ly/microburners_EN.

Follow manufacturer's instructions for using the Micro Burner, including:

Lighting: Turn the ignition knob to the left (counterclockwise) about 90 degrees. Press down on the ignition switch to light the burner

Flame Adjustment: After ignition, turn the ignition knob to the left (counterclockwise) to increase the flame and turn the knob to the right (clockwise) to decrease the flame.

Shut Off: Turn the ignition knob to the right (clockwise) to decrease the flame. Continue turning the knob clockwise until the flame extinguishes.

Follow manufacturer's instructions for refilling the Micro Burner:

Only the instructor is permitted to fill the Micro Burner. Use only refined butane gas. **Always fill in an operational fume hood using the refilling holder.**

1. Ensure the burner is switched off before filling.
2. Place the burner, upside down, in the **refilling holder**.
3. Insert the butane canister nozzle vertically in a downward direction into the fill valve on the bottom of the burner.
4. When the fuel begins to make a hissing sound, remove the butane canister from the filling valve to stop the filling operation. The unit is now full. Allow a few minutes for the fuel to stabilize in the tank before lighting.
5. Store butane canisters (only ≤ 150 g) in flammable cabinet.