

**ADJUSTABLE FLAME BUTANE MICRO TORCH**



5 Year Limited Warranty

**PRODUCT SPECIFICATIONS**

|                        |                       |
|------------------------|-----------------------|
| Fuel:                  | Butane – Not included |
| Ignition Type:         | Ignition button       |
| Maximum temperature:   | 900° C                |
| Gas cannister capacity | 20g                   |
| Weight:                | 1.34lbs (0.61kg)      |

**\*Use with standard Butane refill cannisters (sold separately)**

**NEED ASSISTANCE?**

Call us on our toll-free customer support line:

1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package

**KNOW YOUR ADJUSTABLE FLAME BUTANE BLOW TORCH**

| PART# | DESCRIPTION     | PART# | DESCRIPTION                    |
|-------|-----------------|-------|--------------------------------|
| 1     | Burner tube     | 4     | Flame control knob             |
| 2     | Ignition button | 5     | Gas cannister reservoir window |
| 3     | ON/OFF switch   | 6     | Tool Stand                     |
|       |                 | 7     | Refill valve                   |



**Standard used: UL 147 Seventh Edition**

**(March 5, 2015/R April 28, 2021) CSA 2.29:21**

**SAFETY WARNINGS**

This torch is used with a flammable product. Failure to comply with these Warnings and Instructions may result in an explosion or fire that may cause property damage, serious personal injury, or death.

Read and comply with the instructions and warnings in this manual and familiarize yourself with the torch before lighting and using. Review instructions and warnings periodically to maintain awareness. Do not try to operate before reading instructions. This torch is to be used only with the handheld gas cannister provided.

- Keep torch out of reach of children and anyone who has not read instructions.
- Do not point torch towards face, other persons, or flammable objects.
- Never attempt to use torch as a cigarette lighter.
- Ensure fuel source is turned off when not in use.
- Never attempt to modify the torch construction and never use unapproved accessories or fuels.
- Treat the torch as you would any fine tool or instrument. Do not drop, throw, or otherwise abuse.
- Do not use a leaking, damaged or malfunctioning torch.

- Always wear safety glasses, protective gloves and use proper tools to handle hot work.
- Work only in well-ventilated areas. Avoid the fumes from fluxes, lead-based paint, and all metal heating operations. Be careful to avoid fumes from cadmium plating and galvanized metal- remove these coatings in the area to be heated by filing or sanding prior to heating.
- Never use torch to strip lead paint.
- Be careful when using the torch outdoors on sunny or windy days. Bright light makes it difficult to see the torch's flame. Wind may carry the torch's heat back towards you or other areas not intended to be heated. Windy conditions may also cause sparks to be blown into other areas with combustible materials.
- Heating a surface may cause heat to be conducted to adjoining surfaces that may be combustible or become pressurized when heated. Always check to make sure no unintended parts or materials are being heated.
- Be aware that the tip of the torch can get extremely hot during use. Take precautions to protect yourself and others from accidental burns.
- Never use the torch on or near combustibles. Be careful around motor vehicles or any gasoline-fired products and beware of hidden fuel lines and tanks.
- Always make certain the torch is placed on a level surface to reduce the risk of accidental tip over. Be sure the torch is not pointed in a direction which could cause nearby objects to ignite when the torch is set down. Be careful not to overheat surrounding materials. Use a heat shield when necessary.
- Never leave the torch unattended when lit. Always have a fire extinguisher and a bucket of water near the torch and work area.
- This torch consumes oxygen and must only be used in well ventilated areas. Do not use in a confined space
- Never attempt to repair or heat a gasoline tank, a chemical drum, an aerosol can, a compressed gas container that held flammable liquid or gas or any other chemical. Heating these is extremely dangerous, especially after they have been emptied because vapors may still be in the container.
- Take precautions to avoid inhaling butane when using it for cooking, heating, or lighting.
- Keep butane canisters away from heat, sparks, open flame, and hot surfaces.
- Don't smoke near butane or light a cigarette when using it.
- Store butane in a well-ventilated area away from direct sunlight and food and drink.

## OPERATING INSTRUCTIONS

### FILLING THE GAS CANNISTER

1. Before filling the gas cannister, make sure the flame control knob (4) is closed by turning clockwise until it stops. Hand-tighten only. Do not force.
2. Ensure the ON/OFF switch (3) is in the OFF position.


**CAUTION:** Allow torch to cool off before refilling with butane.  
**IMPORTANT:** When refilling make sure the butane torch is empty of fuel and/or air prior to refilling. Making use of a small screwdriver press the refill valve (7), located on the bottom of the torch to get rid of the surplus fuel. You should hear a hissing sound as the fuel and air escapes.

**IMPORTANT:** To avoid air entering the torch, it is important that the butane refill cannister is kept upside down while refueling. Air in the torch may cause issues with a consistent flame. Check instructions on the butane refill cannister to confirm if it is necessary to shake prior to fuelling.

3. Turn the torch upside down so the refill valve is visible. Insert the nozzle from the refill cannister into the butane torch 's refill valve and press the canister towards the torch and hold, the nozzle on the refill canister will press in. This will allow the fuel to flow into the torch.
4. Press for approximately 5 seconds. Check the level of fuel through the gas cannister reservoir window (5). Continue fueling if necessary.

**CAUTION:** Do not pump the butane refill cannister when refueling the torch, as doing so could cause the fuel cell in the torch to burst.

5. Once the torch has been refilled, let it sit a few minutes until the fuel reaches room temperature. **NOTE:** Because the butane fuel is compressed in the gas cannister, it will be colder than room temperature. When it warms, the fuel will expand.
6. Check all gas connections for leaks using soapy water or suitable leak detection solution.

 **CAUTION** Tipping the butane torch more than 60 degrees from its upright position may cause torch to flare.

 **WARNING DO NOT USE MATCHES OR OPEN FLAME TO CHECK FOR LEAKS**

**CAUTION** Do not attempt to operate the torch if there is evidence of a leak or at any time the odor of gas is detected.

## LIGHTING INSTRUCTIONS

The torch comes equipped with a trigger start ignition button.

### DO NOT USE MATCHES OR CIGARETTE LIGHTER TO IGNITE THE TORCH.

- At the initial lighting BLOW-OUT is possible until the mixture of gas to air is achieved, this should only take a few moments.
- BLOW-OUT is also possible when the torch is held too close to the ground or in windy conditions
- Slide the ON/OFF switch to “ON”
- Slowly open the flame control knob (4), adjusting by 1/8 of a turn or until a small amount of gas is heard escaping.
- Push the ignition button (2). Do not place your hand or any part of your body in the path of the burner (1) while lighting or operating the torch.
- Adjust the size of the flame by using the flame control knob (4).
- In cold weather the size of the flame will be smaller. To produce a larger flame, pre-warm the cylinder to room temperature prior to use.

**NOTE:** It is not necessary to open the flame control knob completely to get a useable flame. Opening the valve completely (wide open) could cause rapid fuel consumption leading to frosting of the fuel cannister. Frosting of the fuel cannister can lower the tank pressure and produce an inadequate flame.

#### If you have a weak flame or abnormal flame:

The gas cannister may be getting low on fuel. Replace the gas cannister.

## TO EXTINGUISH THE TORCH

1. Turn the Flame control knob (4) clockwise to shut off the flow of gas. Hand-tighten. Do not force.
2. Slide the ON/OFF switch (3) to the “OFF” position

## SAFETY CHECK LIST

- Gloves should be used at all times. Long sleeves, long pants and boots is recommended.
- Use only butane gas with this torch.
- Secure gas cannisters in a level, upright position. NEVER invert or lay cannisters on their sides.
- NEVER apply flame to gas cannister to check for leaks or to increase gas pressure.
- NEVER operate torches or any equipment if the odor of gas is evident. Immediately shut off all valves and, using soapy water, check all equipment for leaks.
- NEVER leave the torch unattended while in operation.
- NEVER stand or prop the torch on the burner end while in operation.
- This equipment is for outdoor use only with adequate ventilation.
- Have an ABC fire extinguisher easily accessible.

## DAILY EQUIPMENT CHECK LIST

Visually inspect all parts of the torch equipment for damage and wear.

## TO TEST FOR LEAKS

- Check the cannister for dents or damage.
- Check all fitting connections on the torch and at the cannister for leaks with a leak detection solution, such as soapy water. Leaks will be indicated by forming bubbles around the source. Repair all leaks and test for leaks prior to lighting torch.

## STORAGE

Never attempt to store the torch while it is hot. When the torch is stored indoors, or outdoors, the connection between the gas cylinder and the torch must be **DISCONNECTED OR TURNED OFF** and the cannister stored in accordance with Canadian standards for storage and handling of liquefied petroleum gases. Do not store the torch in locations where it may be damaged. It is the responsibility of the owner of the torch to follow all local laws when disposing of the used or empty gas cannister.

## MAINTENANCE

Surfaces of the torch may be cleaned with soap or detergent and water solutions. **NEVER** use petroleum-based cleaners to clean any components of the torch or the torch body.

**NEVER** use lubricants on any part of the torch.

Remove any debris and combustible material from the torch. The torch must be kept clear and free from combustible materials, gasoline and other flammable vapor and liquids.

**NOTE:** ANY OTHER SERVICING SHOULD BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE.

## BENCHMARK WARRANTY

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3-year warranty for the battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs. This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

**BENCHMARK**<sup>TM</sup><sub>MC</sub>**BENCHMARK TOOLS CANADA**

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