

HI-FORCE 44™ SOLDER - HI-FORCE 44 SOLDER 1OZ RIBBON

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28,000 PSI-Flows At 475° F. The Best All-Round Solder For Gunsmithing

Brownells Hi-Force 44 Solder is an alloy solder containing 4% silver and 96% tin. Excellent for steel, stainless steel, nickel, brass and copper. Completely non-toxic. Flows free and smooth at about 475° F., greatly reducing heating time. No need for cumbersome oxyacetylene setups. Prevents black oxide formation to reduce cleanup time. Provides 14,000 to 28,000 PSI tensile strength. Will not crack under stress as do other low temperature soldering materials. And, a big plus . . . customers report that parts joined with Hi-Force 44 Solder showed no effects when immersed in hot bluing tanks! Use #4 Comet Flux.



Attributes

- Name: [HI-FORCE 44 SOLDER 1OZ RIBBON](#)
- Manufacturer: [BROWNELLS](#)
- Product no.: 080649301
- Mfr. No.: NONE
- Container Size: 1 oz
- Weight: 1.0 oz
- Delivery weight: 0.041kg
- Shipping height: 15mm
- Shipping width: 97mm
- Shipping length: 173mm
- UPC: 050806016897

Item details

Made in USA

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HiFORCE 44™ SOLDER Safety Instruction Guide

Introduction

Thank you for choosing Brownells HiForce 44 Solder. This guide provides essential safety instructions to ensure the safe handling and use of this product. HiForce 44 Solder is designed for various metal soldering applications and contains an alloy of 4% silver and 96% tin. Please read this guide carefully to understand the safety precautions and proper usage.

General Safety Guidelines

- Always use the product in a wellventilated area to prevent inhalation of fumes.
- Keep the solder and flux out of reach of children and pets.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when handling the solder.
- Avoid direct contact with skin; if contact occurs, wash the area with soap and water.
- Do not ingest the solder or flux. If ingested, seek medical attention immediately.
- Dispose of any waste materials in accordance with local regulations.

Specific Safety Precautions for Use

- Ensure that the workspace is free of flammable materials before soldering.
- Use only the recommended flux (#4 Comet Flux) with HiForce 44 Solder.
- Maintain a safe distance from the soldering area to avoid burns from hot surfaces.
- Do not attempt to solder materials that are not compatible with HiForce 44 Solder.
- Always allow the solder to cool completely before handling after use.

Instructions for Installation and Usage

1. Preparation:

- Gather all necessary materials, including HiForce 44 Solder, #4 Comet Flux, and appropriate tools (soldering iron, cleaning materials).
- Ensure that the surfaces to be soldered are clean and free of oxidation.

2. Applying Flux:

- Apply #4 Comet Flux to the joint area where soldering will occur.
- Ensure even coverage of the flux for optimal soldering results.

3. Heating the Solder:

- Preheat the soldering iron to approximately 475° F (246° C).
- Avoid overheating the solder to prevent degradation of its properties.

4. Soldering:

- Touch the solder to the heated joint, allowing it to flow smoothly into the joint area.
- Do not apply excessive force; let the solder flow naturally.

5. Cooling:

- Allow the soldered joint to cool completely before moving or applying stress.
- Inspect the joint for any defects or incomplete soldering.

Disposal Instructions

- Dispose of unused or expired solder and flux according to local waste disposal regulations.
- Ensure that any residual solder or flux is placed in a sealed container to prevent contamination.
- Do not dispose of solder in regular household waste; check for hazardous waste disposal options in your area.

Contact Information for Further Support

For any safety inquiries or concerns regarding the HiForce 44 Solder, please reach out to the appropriate contact point in your region. It is important to stay informed about product safety updates and recalls.

Conclusion

By following these safety instructions, you can ensure a safe and effective experience with Brownells HiForce 44 Solder. Always prioritize safety and adhere to the guidelines provided to minimize risks associated with soldering. Thank you for your attention to these important safety measures.

About Us

Brownells Austria

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