

# HI-FORCE 44™ SOLDER - HI-FORCE 44 SOLDER 1OZ WIRE

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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 WIRE](#)
- Manufacturer: [BROWNELLS](#)
- Product no.: 080649001
- Mfr. No.: NONE
- Container Size: 1 oz
- Weight: 1.0 oz
- Delivery weight: 0.023kg
- Shipping height: 10mm
- Shipping width: 102mm
- Shipping length: 180mm
- UPC: 050806016811

## Item details

Made in USA

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# HIFORCE 44™ SOLDER Safety Instruction Guide

## Introduction

Thank you for choosing HIFORCE 44 SOLDER. This guide provides essential safety instructions to ensure the safe use of this product. HIFORCE 44 SOLDER is an alloy solder containing 4% silver and 96% tin, suitable for various metals including steel, stainless steel, nickel, brass, and copper. Please read and follow these instructions carefully to ensure safe handling and usage.

## General Safety Guidelines

- Always use HIFORCE 44 SOLDER in a wellventilated area to avoid inhaling fumes.
- Wear appropriate personal protective equipment (PPE), including safety goggles and heatresistant gloves, to protect against burns and eye injuries.
- Keep the solder and any flux away from children and pets.
- Do not use the solder near open flames or high heat sources.
- Ensure that all tools and work surfaces are clean and free from contaminants before use.

## Specific Safety Precautions for Use

- **Handling:**
  - Avoid direct skin contact with the solder. If contact occurs, wash the affected area with soap and water.
- **Heating:**
  - Use a soldering iron or torch that is suitable for soldering applications. Ensure the tool is properly maintained and in good working condition.
  - Do not exceed the recommended heating temperature of 475° F (246° C) to prevent fumes and degradation of the solder.
- **Storage:**
  - Store the solder in a cool, dry place, away from direct sunlight and heat sources. Ensure the container is tightly sealed when not in use.
- **Emergency Procedures:**
  - In case of accidental ingestion, seek medical attention immediately.
  - If inhaled, move to fresh air and seek medical help if symptoms persist.

## Instructions for Installation and Usage

### 1. Preparation:

- Clean the surfaces to be soldered thoroughly to remove any dirt, grease, or oxidation.
- Use #4 Comet Flux to prepare the joint and improve solder flow.

### 2. Soldering:

- Heat the soldering iron or torch to the appropriate temperature.
- Apply the flux to the joint area.
- Feed the HIFORCE 44 SOLDER into the joint while applying heat until the solder flows smoothly.
- Allow the joint to cool naturally. Avoid moving the parts until fully set to ensure a strong bond.

### 3. PostUse:

- After soldering, clean any excess flux from the surfaces to prevent corrosion.
- Inspect the joint to ensure proper adhesion and strength.

## **Disposal Instructions**

- Dispose of any unused or waste solder and flux in accordance with local regulations.
- Do not dispose of solder in regular household waste. Check for local hazardous waste disposal guidelines.

## **Contact Information for Further Support**

For any safety inquiries or additional information regarding HIFORCE 44 SOLDER, please contact the manufacturer or your local distributor. Ensure you have the product details available for reference.

By following these instructions, you can ensure the safe use of HIFORCE 44 SOLDER while adhering to the EU General Product Safety Regulation (GPSR). Thank you for your attention to safety.

# About Us

## Brownells Austria

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