Since it was first developed in 1956,

Stay-Brite® has been used in plumbing, air conditioning repair and food equipment applications. Stay-Brite® Ultra is the latest innovation for this useful and efficient tin-silver solder. With a slightly lower silver content, it offers an economical alternative for copper, brass, steel and stainless steel. In the U.S., Stay-Brite is the #1 solder choice for air conditioning connections.

This versatile alloy is widely used throughout the industry as a better-than-brazing method in most applications. In many cases, high brazing heat can weaken base metals through annealment.

Produce a stronger more economical joint with

Stay-Brite® *Ultra*

Stay-Brite® ULTRA

Professional Quality

Precise control, predictable melting every time.

Alloys are strictly monitored to ensure metal content is within 1/10th of a percent from the nominal chemistry.

These quality controls combine to produce a superior, predictable alloy that works consistently for a quality solder every time.

HARRIS
A LINCOLN ELECTRIC COMPANY

Statement of Liability – Disclaimer

Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. The Harris Products Group and its affiliates shall have no liability in respect thereof.

All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied. Suitability of brazing filler metal for the intended application should be confirmed by testing.

Stay-Brite® ULTRA

Fast. Strong. Economical.

Plumbing
Air Conditioning
Food Equipment

HARRIS
A LINCOLN ELECTRIC COMPANY

Benefits of Stay-Brite® Solders

- 66% lower temperature than brazing eliminates weakening of base metals by annealment
- Greater strength of the overall component
- Affinity to bond with ferrous and nonferrous alloys
- Higher than necessary elongation for sound dissimilar metal joints and vibration applications
- 66% lower material cost compared to silver brazing
- Reduced Metal discoloration from high heat
- Non-oxidizing
- Improved productivity due to lower melting temperature than brazing alloys

Physical & Soldering Properties

Solidus	221°C (430°F)
Liquidus	221°C (430°F)
Color	Bright Silver
Shear Strength	10,600 psi
Electrical Conductivity (%IACS)	16.4% IACS at 68°F (20°C)
Tensile Strength (Cu to Cu)	14,000 psi
Recommended Joint Clearance	0.051mm - 0.127mm
Tube Burst Strength	3,800 PSI

Stay-Brite® Ultra is certified by The National Sanitation Foundation for use in drinking water system components, NSF 61 and for food equipment materials, NSF 51.

Does not contain prohibited substances in Article 4 of EU directives.

Specification ISO 9453 Grade 703

Product Part No:	Description:
SBU2250	2mm 250g Spool
SBU2500	2mm 500g Spool
SBU3250	3mm 250g Spool
SBU3500	3mm 500g Spool

Repairing Leaks

We don't recommend brazing over joints that were previously soldered with tin/lead solders. The low melting range of the solder can prevent proper filler metal-to-base metal connections. Stay-Brite solders, with their lower temperature, make a great repair alloy, allowing you to repair leaks without re-melting the original braze.

Don't Forget the Flux

- Stay-Clean® paste flux and Bridgit® burn-resistant paste flux for copper and brass.
- Bridgit® water soluble flux may also be used.
- Stay-Clean® liquid flux for steel or stainless steel. Stay-Clean® liquid flux also improves oxide removal and protection when soldering ferrous metals.

Warning:

PROTECT YOURSELF AND OTHERS.
READ AND UNDERSTAND THIS INFORMATION.

FUMES AND GASES can be hazardous to your health.

HEAT RAYS (infrared radiation) from flame or hot metal can injure eyes.

SOLDER FLUXES may contain chlorides, acids or other ingredients that are considered hazardous via inhalation, ingestion, or skin or eye contact.

- Before use, read and understand the manufacturer's instructions, Material Safety Data Sheets, (MSDS), and your employer's safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the flame or heat source, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.
- See American National Standard Z49.1, Safety in Welding, Cutting, and Allied Processes, published by the American Welding Society, 8669 Doral Blvd. Doral, Florida 33166; OSHA Safety and Health Standards, available from the U.S. Government Office, Washington, DC 20402.