



## TECHNICAL INFORMATION SHEET

### BRIDGIT® LEAD-FREE SOLDER



#### CHEMICAL COMPOSITION %:

Silver	0.05 – 0.15
Nickel	0.05 – 2.0
Copper	2.5 – 3.5
Antimony	4.5 – 5.5
Tin	Remainder

#### MELTING TEMPERATURE:

Solidus	460°F (238°C)
Liquidus	630°F (332°C)

#### DESCRIPTION:

Bridgit lead-free solder is specifically formulated for plumbing and other applications. Its flow properties are designed to make it an easy replacement for 50/50 tin-lead solder. Its wider melting range makes it easier to fill poorly fitted parts and “cap” the finished connection. When heated to its liquidus temperature it will quickly flow into standard clearance connections.

#### AVAILABLE FORMS:

3/32", 1/8" diameter wire in 1, 5, 25 lb. spools

#### SPECIFICATION COMPLIANCE:

ASTM B32 Alloy B,



NSF/ANSI 61 Annex G, NSF/ANSI 372 and conforms with lead content requirements for “lead free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws, and the US Safe Drinking Water Act amendments effective January 2014.

#### RECOMMENDED FLUX:

Bridgit Burn Resistant Flux or Bridgit Water Soluble Flux (ASTM B813).

#### SAFETY INFORMATION

**WARNING: PROTECT yourself and others. Read and understand this information.**

**FUMES AND GASES** from solder, flux, or base metal can be hazardous to your health.

**FLUX CHEMICALS** can burn skin, eyes, and damage internal tissue if ingested.

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

- 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 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.

#### 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.

THE HARRIS PRODUCTS GROUP  
A LINCOLN ELECTRIC COMPANY

4501 Quality Place • Mason, OH 45040 U.S.A Tel: 513-754-2000 Fax: 513-754-6015  
Additional information available at our web site: [www.harrisproductsgroup.com](http://www.harrisproductsgroup.com)