



A LINCOLN ELECTRIC COMPANY

TECHNICAL INFORMATION SHEET

HARRIS STAY BRITE ROSIN CORE

NOMINAL CHEMICAL COMPOSITION %:

Ag 3.4–3.8
Sn Remainder

PHYSICAL PROPERTIES:

Solidus 430°F (221°C)
Liquidus 430°F (221°F)
Deposit color – Bright Silver

SOLDERING PROPERTIES:

Stay Brite Rosin Core has about 3.3% flux core and is the finest electronic solder available. Stay Brite has excellent bonding with all ferrous and nonferrous alloys, and is required whenever optimum results are an absolute requirement. It offers an unsurpassed combination of advantages; extremely high electrical conductivity, high corrosion resistance of the alloy, and five times the strength of ordinary tin lead solders. It also has a high percentage of elongation for sound joints in vibration applications.

AVAILABLE FORMS:

1/16 X 1 lbs. spool

FLUX:

Solder contains a flux core additional flux is unnecessary.

SPECIFICATION COMPLIANCE:

J-STD-006: Sn96.3Ag3.7 (Solder Only)
ASTM B32-04: Sn96 (Solder Only)
J-STD-004: ROL1 (Flux Only)

SAFETY INFORMATION:

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, Safety Data Sheets (SDS), 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.

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

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Additional information available at our web site: www.harrisproductsgroup.com