



TECHNICAL INFORMATION SHEET

HARRIS 95/5 ROSIN CORE TIN/ANTIMONY SOLDER

NOMINAL CHEMICAL COMPOSITION%:

Sb 4.5 –5.5
Sn Remainder

PHYSICAL PROPERTIES:

Solidus 455°F (235°C)
Liquidus 464°F (240°F)
Deposit color – silver/gray

SOLDERING PROPERTIES:

95/5 tin-antimony solder is useful for applications where moderately elevated temperature is a factor. It has a higher electrical conductivity and is recommended where lead contamination must be avoided. It is primarily used to solder copper as the rosin core contains a mildly activated flux. Remaining flux residue does not promote joint corrosion. This product can be used on electrical or electronic components or other applications where flux residue cannot be removed.

AVAILABLE FORMS:

Standard diameters x spool

FLUX:

Solder contains a flux core so additional flux is unnecessary.

SPECIFICATION COMPLIANCE:

STD-006: Sn95Sb5 (Solder Only)
ASTM B32-04: Sb5 (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.

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