



TECHNICAL INFORMATION SHEET

STAY BRITE® PASTE SOLDER

DESCRIPTION:

Stay Brite Paste Solder is a formulated mixture of Stay Brite solder, metal powder, neutral binder, and flux. It provides a convenient one-step method of solder application. When heated the binder burns away, the flux becomes active, and when soldering temperature is reached; the metal solder powder melts and completes the solder connection.

Stay Brite paste can be used in manual applications applied with a brush. It is also an excellent choice for semi-automated applications using appropriate dispensing equipment.

It can be used to solder copper, brass, and steel. It is generally unsuitable for electrical or electronic applications as the flux residue should be removed after soldering.

NOMINAL CHEMICAL COMPOSITION% (metal powder):

Ag 4.5- 5.5
Sn Remainder
Sb 0.2 – 0.5

MELTING TEMPERATURE:

Solidus 221°C (430°F)
Liquidus 245°C (473°F)

PHYSICAL PROPERTIES:

Viscosity at 75°F – 29 – 70 (Brookfield Viscometer – TD spindle)
Metal powder mesh size – passes 60 U.S. Std. Sieve No. 60
Metal powder content – 77 – 82%
Deposit color – silver

AVAILABLE FORM:

Paste

FLUX:

Organic flux with intermediate activity and an activation range between 300-525F. Flux residue should be removed after soldering which can be accomplished with hot detergent water.

STORAGE:

Shelf Life and storage: This Harris paste solder has an effective shelf life of at least six months when stored in sealed containers at approximately 70°.

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