



TECHNICAL INFORMATION SHEET

HARRIS L-CUPSN7 BRAZING FILLER METAL

NOMINAL CHEMICAL COMPOSITION%:

Phosphorus	6.5
Copper	Remainder
Tin	6.8
Other (Total)	0.15

PHYSICAL PROPERTIES:

Solidus 1310°F (650°C)
Liquidus 1445°F (700°C)

BRAZING PROPERTIES:

HARRIS L-CUPSN7 is an economical low temperature alloy designed primary for copper to copper connections. Because of the short melting range the Harris L-CUPSN7 will flow quickly into the connection.

The HARRIS L-CUPSN7 is not recommended for brazing steel or other ferrous alloys. The phosphorus content will create fragile low ductility intermetallic phase.

CORROSION RESISTANCE

Generally similar to the copper, but phosphorus containing alloys, including HARRIS L-CUPSN7, should not be used if the connection is exposed to sulfur or sulfur compounds in service.

AVAILABLE FORMS:

Standard wire diameters in coils, rod and preform rings.

RECOMMENDED FLUX:

No flux is required for copper – copper connections. Brazing Flux as Eco Smart® or Stay-Silv® white flux should be used for dissimilar connections with Brass or bronze.

SPECIFICATION COMPLIANCE:

ISO 17672 CuP386

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.

- 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.

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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