



## TECHNICAL INFORMATION SHEET

### HARRIS® 0HP BRAZING FILLER METAL

#### NOMINAL CHEMICAL COMPOSITION%:

Copper	Remainder
Phosphorus	7.0-7.50
Other (Total)	0.15

#### TYPICAL PHYSICAL PROPERTIES:

Solidus	1310°F (710°C)
Liquidus	1445°F (785°C)
Specific Gravity	8.21
Elongation in 2"	32%

#### BRAZING PROPERTIES:

An economical brazing filler metal (very fluid medium temperature brazing alloy) for joining copper, brass, and bronze. Will with stand moderate vibration. Recommended joint clearance is .002"-.005".

#### FLUX:

No flux is required for copper brazing. For brazing brass or copper to brass use Stay-Silv® white flux. Harris ECO SMART® boric acid free flux, (powder or paste), is an excellent choice to promote sound brazed assemblies and comply with European REACH requirements

#### CORROSION RESISTANCE

Generally similar to the copper base metal, but phosphorus containing alloys, including Harris 0HP, should not be used if the braze is exposed to sulfur or sulfur compounds in service

#### AVAILABLE FORMS

Standard wire diameters, rods and preform rings.

#### SPECIFICATION COMPLIANCE:

ANSI/AWS A5.8, Class BCuP-2, ASME SFA 5.8, Class BCuP-2, ISO 17672 CuP 181

#### 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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