



TECHNICAL INFORMATION SHEET

SAFETY SILV® 34T BRAZING FILLER METAL

NOMINAL CHEMICAL COMPOSITION%:

Silver	33.0 – 35.0
Copper	35.0 – 37.0
Zinc	24.5 – 29.5
Tin	2.5-3.5
Other (Total)	0.15

TYPICAL PHYSICAL PROPERTIES:

Solidus	1166°F (630°C)
Liquidus	1346°F (730°C)

BRAZING PROPERTIES:

Safety Silv 34T brazing filler metal is often specified as an economical replacement for higher silver content braze alloys.. Safety Silv 34T has a wide melting range so it's useful in filling connections where tight clearance cannot be held. It is cadmium free and is an excellent replacement for many of the hazardous cadmium containing brazing products. Safety Silv 34T is primarily used to braze copper, brass, bronze, and steel.

AVAILABLE FORMS

Standard wire diameters, coils, wound on spools, preform rings, strip, bare and flux coated rods.

RECOMMENDED FLUX:

Stay-Silv® white flux is suitable for many applications. Stay-Silv® black brazing flux is often used if brazing stainless steel or where heating cycles are prolonged or focused as in induction brazing. 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.

SPECIFICATION COMPLIANCE:

Internal Specifications 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.

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