



TECHNICAL INFORMATION SHEET

SAFETY SILV® 40T BRAZING FILLER METAL

CHEMICAL COMPOSITION %:

Silver	39.0-41.0
Zinc	26.0-30.0
Copper	29.0-31.0
Tin	1.5-2.5
Other (Total)	0.15

PHYSICAL PROPERTIES:

Solidus 1220° F (660° C)
Liquidus 1310° F (710° C)
Density 4.76 troy ounces per cu.in.
Electrical Conductivity 18.00 % IACS

BRAZING PROPERTIES:

Safety Silv 40T brazing filler metal is primarily designed for brazing copper, brass, and steel. The melting range allows use where part clearance cannot be tightly controlled. The tin addition is included to reduce melting temperature and allow a slightly lower silver content. The result is an alloy with good flow characteristics and the opportunity for cost reduction compared with traditional 45% silver alloys.

AVAILABLE FORMS

Standard wire diameters in coils and rod
Preformed braze rings
Strip

SPECIFICATION COMPLIANCE:

ANSI/AWS A5.8 Class BAg-28, ASME SFA5.8 Class BAg-28,
ISO 17672 Ag 140

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 is an excellent choice to promote sound brazed assemblies and comply with European REACH requirements.

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

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