



TECHNICAL INFORMATION SHEET

SAFETY SILV[®] 56 FLUX CORED BRAZING FILLER METAL

NOMINAL CHEMICAL COMPOSITION%:

| | |
|---------------|-------------|
| Silver | 55.0 – 57.0 |
| Copper | 21.0 – 23.0 |
| Zinc | 15.0 – 19.0 |
| Tin | 4.5-5.5 |
| Other (Total) | 0.15 |

TYPICAL PHYSICAL PROPERTIES:

| | |
|-------------------------|-------------------------------|
| Solidus | 1145°F (618°C) |
| Liquidus | 1205°F (652°C) |
| Brazing Range | 1205°F- 1400°F (650°C -760°C) |
| Electrical Conductivity | 8.32 (%IACS) |
| Density | 4.93 (t.o./cu.in.). |

BRAZING PROPERTIES:

A cadmium free alloy with a narrow melting range Safety Silv 56 is the lowest melting temperature high silver brazing filler metal. This alloy offers good fluidity and joint strength and is used to braze copper, brass, steel, stainless steel and some nickel alloys. The silver deposit color is a good match on stainless steel. It's excellent fluidity promotes braze penetration. Close tolerances are recommended; 0.002 – 0.005" for best performance..


AVAILABLE FORMS

Standard wire diameters, coils, wound on spools, preform rings.

FLUX CORE:

This alloy contains a continuous internal core of brazing flux. No additional flux is required. Remove flux residue after brazing.

SPECIFICATION COMPLIANCE: (metal component of cored wire):

ANSI/AWS A5.8 BAg-7, ASME SFA 5.8, & QQ-B-654A
Class BAg-7, AMS 4763, National Sanitation Foundation
 Standard 51, ISO 17672 Ag 156

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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THE HARRIS PRODUCTS GROUP

A LINCOLN ELECTRIC COMPANY 

4501 Quality Place • Mason, OH 45040 U.S.A Tel: 513-754-2000 Fax: 513-754-6015
Additional information available at our web site: www.harrisproductsgroup.com