



## TECHNICAL INFORMATION SHEET

### SAFETY SILV® 30 FLUX CORED BRAZING FILLER METAL

#### BRAZING PROPERTIES:

Safety Silv® 30 brazing filler metal is often specified as an economical replacement for higher silver content braze alloys. This is a flux cored alloy which contains an inner core of brazing flux. This design eliminates the labor of a separate flux application which reduces labor cost. It also limits the amount of applied flux so post-braze cleaning time is often less and there is reduced possibility of flux trapped inside the tube.

Safety Silv® 30 flux cored wire has a wide melting range so it is useful in filling connections where tight clearance cannot be maintained. It is cadmium free and is an excellent replacement for many of the hazardous cadmium containing brazing products. Safety Silv® 30 flux cored alloy is primarily used to braze copper, brass, bronze, and steel.

#### FLUX CORE:

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

#### CHEMICAL COMPOSITION RANGE % (metal):

Silver	29.0 - 31.0
Copper	37.0 - 39.0
Zinc	30.0 - 34.0
Other elements	ISO & AWS requirements

#### MELTING TEMPERATURE:

Solidus 1250°F (677°C)  
Liquidus 1410°F (766°C)

#### AVAILABLE FORMS:

Standard wire diameters in coil, rod, preformed rings, or wound on spools for automated feeding.

#### SPECIFICATION COMPLIANCE (metal component):

ISO 17672 Ag 230, AWS A5.8 BAg-20

#### RoHS (Reduction of Hazardous Substances):

Conforms to the EU hazardous substance directive.

#### SAFETY INFORMATION:

**WARNING: PROTECT yourself and others. Read and understand this information.**

**FUMES AND GASES can be hazardous to your health. FLUX CONTAINS FLUORIDES – avoid breathing fumes generated during brazing.**

**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.

#### 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](http://www.harrisproductsgroup.com)