

# SAFETY DATA SHEET

## SafraBraz Silver Brazing Alloys (Cadmium-Bearing)

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Prepared By:	AES Industrial Supplies Limited

### 1. Identification

Product Name: SafraBraz Silver Brazing Alloys (Cadmium-Bearing)  
Recommended Use: Filler metals for brazing.

Supplier: AES Industrial Supplies Limited  
Olympic House, Southmead Park, Didcot, Oxon, OX11 7WB, UK  
Tel: 01235 510717  
Email: orders@aes-sales.com  
Emergency Telephone: 01235 510717

### 2. Hazards Identification

**Classification (UK CLP):**

Carcinogenicity Category 1B – H350: May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure) Category 1 – H372: Causes damage to organs through prolonged or repeated exposure.

**Hazard Statements:**

H350: May cause cancer.

H372: Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

P260: Do not breathe fumes.

P280: Wear protective gloves / protective clothing / eye protection.

P308+P313: IF exposed or concerned: Get medical advice.

### 3. Composition / Information on Ingredients

Component	CAS No.	Typical Range (%)
Silver (Ag)	7440-22-4	5–67
Copper (Cu)	7440-50-8	11–50
Zinc (Zn)	7440-66-6	12–31
Cadmium (Cd)	7440-43-9	7–24

## SafraBraz Silver Brazing Filler Metals Chart

Product Code	Ag%	Cu%	Zn%	Cd%	Solidus °C	Liquidus °C
AG67CBF	67	11	12	10	635	720
AG50CBF	50	15.5	16.5	18	620	640
AG45CBF	45	15	16	24	605	620
AG44CBF	44	27	13	15	595	660
AG43CBF	43	16	20	21	615	620
AG40CBF	40	19	21	20	595	630
AG38CBF	38	20	22	20	605	650
AG35CBF	35	26	21	18	610	700
AG30CBF	30	28	21	21	600	690
AG251CBF	25	30	27.5	17.5	605	680
AG250CBF	25	35	26	14	605	745
AG20CBF	20	40	25	15	605	765
AG12CBF	12	50	31	7	620	825
AG5CBF	5	-	-	95	335	392