



**General Information**

**BALVER ZINN SOLDER Sn97Cu3** is a lead free tin-copper alloy for high temperature applications. **BALVER ZINN SOLDER Sn97Cu3** is used, in order to remove the surface coat of copper wires at high temperatures and soldering in one step. **BALVER ZINN SOLDER Sn97Cu3** is a special alloy for the employment at high process temperatures. The immersion times should be selected as shortly as possible. The less copper dissolution at higher process temperatures permits a constant process management and helps to save material.

\***BALVER ZINN SOLDER Sn97Cu3** does not contain hazardous substances beyond the limits prescribed by EU Directive 2002/95/EG ("RoHS")

Technical information and further Technical Data Sheets can be found on our website ([www.BALVERZINN.com](http://www.BALVERZINN.com)). And of course, you can also obtain all information and documents directly from **BALVER ZINN**.

**BALVER ZINN Production Programme**

The **BALVER ZINN** production programme also includes solder pastes, flux and solder wires. Beside the **SN100C** product family, **BALVER ZINN** offers other unpatented and patented solder alloys for wave soldering, reflow and rework.

**Physical properties of Sn97Cu3**

Melting temperature	227-250
Specific Gravity g/cm <sup>3</sup>	7.3

**Composition of Sn97Cu3**

Element	DIN EN ISO 9453:2006 in weight-%
Sn	Rest
Cu	2,5 – 3,5
Al	max. 0,001
Ag	max. 0,100
As	max. 0,03
Bi	max. 0,10
Cd	max. 0,002
Fe	max. 0,02
Ni	max. 0,01
Pb	max. 0,10
In	max. 0,05
Sb	max. 0,10
Zn	max. 0,001

**Delivery sizes**

Format		L mm	W mm	H mm
Ingots	1 kg	325	28	15
	4 kg	300	50	40
Ingots with hole	3,7 kg	540	50	20
	6 kg	570	48	35
Bar		400x10x10		
Pellet		12 x 25		
Wire, solid, on reel		Ø 1.0 – 6.0		

Other dimensions on request

**Storage Conditions / Durability**

Dry storage at room temperature / minimum 2 years

**Safety Advice**

Before using please refer to the appropriate Material Safety Data Sheet.

The information in this Data Sheet is based on data considered accurate. The measured values stated are based on own measurements, but do not represent assured properties or delivery specifications. Because of the vast number of different materials and applications – also with respect to possible protective rights of third parties – Balver Zinn Josef Jost GmbH & Co. KG **cannot** accept any liability.



**OUR GLOBAL PARTNERS FOR LEAD-FREE SOLDERS**

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