

SDS Reference F2-5-L30ES-014  
Version No. 6  
Revision Date  
Authorisation Date 7<sup>TH</sup> SEPTEMBER 2004  
Product Name ECO SOLDER BAR M35

# Safety Data Sheet



## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name** ECO SOLDER BAR M35  
**Synonym (s)**  
**Company Identification** SENJU MANUFACTURING (EUROPE) LIMITED  
5 The Gateway Centre  
Cressex Business Park Telephone +44 (0)1494 526000  
High Wycombe HP12 3SU

## 2. 1 COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation** ALLOY MATERIAL

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>					
TIN									
COPPER	7440-50-8	231-159-6		0,70 ± 0,02					
SILVER	7440-22-4	231-131-3		0,30 ± 0.01					
<b>IMPURITIES :</b>									
PB	LESS THAN 0.05 %	CD	LESS THAN 0.002 %	SB	LESS THAN 0.1 %	ZN	LESS THAN 0.001 %	FE	LESS THAN 0.02 %
		AL	LESS THAN 0.001 %	AS	LESS THAN 0.03 %				

## 2.2 Melting temperature range and specific gravity ( reference value)

**Melting temperature (range (°C))** Approx.217 –220  
**Specific gravity** Approx. 7.4

## 2. 3 Appearance ( Test Metod : STM-1 )

- 1) The surface shall be smooth and glossy uniformly.Extremely poor gloss,and adhesion of foreign matters and dirt, shall not be found.
- 2) significant scratches , cracks, tears,and surface oxidation, shall be not be found.



## 2.4 Dimension ( mm ) and unit mass

	Continuons casting	Extruding	Manual casting
Thickness	Approx . 7		Approx. 11
Width	Approx . 20		Approx . 18
Length	Approx . 450		Approx . 350
Unit Mass ( g )	500 ± 20		Approx. 400

## 3. Inspection Report

A) Inspection report shall be carried out on each production lot about following item 1 and the Inspection Report in which result is mentioned shall be attached at the time of delivery , when requested by your company .

## 4. Packaging / Marking

### 4.1 Packaging

Individual packaging : Nil

Packaging : Carton box

Net mass : 20 KG

### 4.2 Marking

4.2.1 Imprinting SMIC ECO M35

### 4.2.2 Carton Box

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The following items shall be indicated on the carton label or printing.

- |                       |                                |
|-----------------------|--------------------------------|
| 1° Product Name       | 7° Validity                    |
| 2° Composition        | 8° Patent. No.                 |
| 3° Size               | 9° Product code of our company |
| 4° Lot No.            | 10° Manufacturer's name        |
| 5° Manufacturing date | 11° Manufacturing country      |
| 6° Net mass           | 12° Precaution                 |

## 5. Guarantee period

The guarantee period of this product shall be four years from the manufacturing date.

## 6. Precaution for safety

Stated in the separate documents , ( Instruction Manual ) and ( Material Safety Data Sheet ).

## 7. Regulations

Stated in the separate documents , ( Instruction Manual ) and ( Material Safety Data Sheet ).

## 8. Precaution in handling, storing, and disposing

Stated in the separate documents , ( Instruction Manual ) and ( Material Safety Data Sheet ).

## 9. Others

1° We cannot guarantee the result of use nonconforming to or unspecified in this application.

2° You are requested not to divulge to any company or publicise any matter related to this specification.

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## 10 . Test methods

### SMT-1 Appearance

Appearance shall be confirmed by visual observation as to content specified  
By the applicable standard.

### SMT-2 Mass

Weighing shall be conducted using a weighing apparatus having a minimum  
Graduation less than  $5/10000^{\text{th}}$  of the maximum weighing capacity.

### SMT -3 Dimension

Measurement shall be taken using callipers stipulated in JIS B 7507 , micrometer  
Stipulated in JIS B 7502 , or , any suitable measuring apparatus.

### STM-9 Chemical Composition

According to ( JIS K 0116 General rules for atomic emission spectrometry ) or  
To ( JIS Z 3910 Methods for Chemical Analysis of Solder )  
However, blended silver ( AG), according to ( JIS Z 3910 Methods for chemical  
Analysis of Solder) .