



SHENZHEN JUFENG SOLDER CO., LTD

Product Instruction

Lead-free solder bar Sn99Ag0.3 Cu0.7

Technical Data Sheet

Material Safety Date Sheet

Website: www.jfsolder.com

Address: 12# Jinpeng Industry Area, Jihua Road, Buji Town, Longgan District, Shenzhen,
Guangdong province, China Post No.: 518129

TEL: +86-755-28512231 89501587 89501348

FAX: +86-755-89501292

Technical Data Sheet

1. Description

In lead-free welding process, the choice of welding material is the most challenging, because for lead-free welding process, the choice of lead-free solder is the most critical and difficult. This product is suitable for wave soldering and dip welding process with strict environmental protection requirements. The connection performance is relatively high, due to the use of high purity raw materials refined, welding flow is good, can greatly reduce the bridge connection, tin tip and other process problems, in the environmental protection electronic assembly industry has a wide range of applications.

2. Features

- Little impurity, diffusion capacity well
- Weldability, good fatigue resistance
- Solder joints, solder surface brightness, good wetting
- strong antioxidant, anti-creep
- Increase production speed, reduce production costs

3. Specification and chemistry component

Specification	Sn99-Ag0.3-Cu0.7									
Appearance	Lucent, no dirt on surface									
Chemistry component										
Sn	Ag	Cu	Pb	Sb	Bi	Zn	Fe	Al	As	Cd
99	0.3	0.7±0.2	<0.1	<0.02	<0.01	<0.02	<0.02	<0.02	<0.03	<0.02

4. Alloy component and physical characteristic

	Item	Specification	
1	Appearance	Smooth surface, free from debris	
2	Alloy component	Sn99Ag0.3Cu0.7	JIS-Z-3282
3	Melting point	227-228°C	DSC machine
4	Proposion g/cm ³	7.4	
5	Conductivity %	10	
6	Function	Suitable for welding electronic parts	

7	Packing	20Kg/Carton	JIS-Z-3283
8	Storage	It must be kept in a dry environment without corrosion and sunlight for 2 years	

Material Safety Data Sheet

1. Product and Company Identification

Product Name:Lead-free solder bar
Product Code: JF-01
Manufacturer or supplier \ Add and Tel : Shenzhen Jufeng Solder Co.,Ltd
Tel/Fax : 86-0755-89501348 89501587 89501292

2. Composition, Information on Ingredients

Chemical character:Medal solder material		
Foe component	Chroma or range	Sort
Tin,Sin	97-98%	No.9 -other
Ag	0.3%	No.9 -other
Copper,Cu	<0.7%	No.9-other
Rosin	<3%	No.9-other

3. Hazard Identification

Most Important Health Hazards and Reactions	Health Hazards and Reactions : (acute) Inbibe : Too high temperature when melt solder(about 500°C upward),it will produce metal smoke,inbibe it will cause anemia,insomnia,weak,astriktion,sick,bellyache.It will be harm the haematogenous enginery. Eat : Sick up.Eye、 skin : Melting metal and high temperature touch skin will cause scald.
	Environmental Impact : No information
	Physical and Chemical Hazards : No

	Specific Hazards : No
Cardinal Symptoms : qualm,headache,puncture,skin allergic.	
Hazard Classification : No.9,other dangerous	

4. First Aid Measures

<p>First Aid Measures for Different Kinds of Exposures :</p> <p>· Inhalation : Move the sufferer to the fresh air · watch the doctor if breath difficult.</p> <p>· Skin Contact : Wash affected part with soap and water · watch the doctor when the thrill still remain.</p> <p>· Eye Contact : Wash eyes quietly · and watch the doctor when the thrill still remain.</p> <p>· Ingestion : Queasy by nurse at once in demand · shouldn't ahoy anything to the person when he is out of the count.</p>
<p>Most Important Symptoms and Hazard Reactions : Sense of stimulate from skin and apparatus °</p>

5. Fire Fighting Measures :

Suitable Extinguishing Media : Lead 、 dolomite 、 sodium oxide
Special Hazards in Fire : Forbiding use water 、 Halid-alkyl fire extinguisher or A 、 B 、 or C fire extinguisher °
Special Fire-Fighting Procedures : No
Required Special Protective Equipment for Fire-Fighters : Firemen should wear exposure suit and air tank °

6. Accidental Release Measures

<p>Personal Precautions : Move out all flaring resource 、 Splashing area airiness plenty 、 Wearing defend furnishment.</p>
--

Environmental Precautions : Prevent the power dirt dispel with air and dispel with water · splashing matter put in airtight case.

Methods for Cleaning : Use the tools that can't cause light and equip clear up splashing down that prevent the power dirt dispelling in air.

7. Handling and Storage

Handling : Unable recycling material · Should check the product and scrap up, Handling carefully the empty case that possible remain power dirt or soldering and will be dangerous · the person should read all the aphorism and defend measure on the case.

Storage : Keep in airtight case · Deposited in cool · dry and airiness area · Prevent physics damage · Away from heat and flaring resource °

8. Exposure Controls, Personal Protection

Engineering Measures : No

Control Parameters :

Average admit chroma in eight hours every day(TWA)/Average admit chroma in short time(STEL)/Highest admit chroma(CEILING) : $2\text{mg}/\text{m}^3$

B EIs : No

Personal Protection Equipment :

- Respiration : Hemihedral prevent power dirt veil (10-50 times exposition) °
- Hand : Wearing all-sided observe press shield when in urgency °
- Eye : Wearing chemical goggle · there are washing eyes in working area °
- Skin & Body defend : Wearing defend gloves and cleaning long clothings °

Hygiene Measures :No smoiing in working area ,bite and sup ·Must washing hands after work and before bit and sup.

9. Physical and Chemical Properties

State of Substance : Metal linear	Appearance : Linear
Color : Silver-gray metal solid	Odor : Monotony
pH cost : Not fit for	Boiling Point : No fit for
Decomposing Temperature : Not fit for	Flashpoint : Not fit for °F Not fit for °C Test : Not fit for Test Methods : Open Slot Closed Slot
Self-Igniting Temperature : Not fit for	Explosion Limits : Not fit for
Vapor Pressure : (21.1°C) : 0	Vapor Density : No information
Density : 7.4/cm ³	Dissolution : Not dissolve in water

10. Stability and Reactivity

Stability : Compose
Possible Hazard Reaction Under Special Conditions :
Conditions to Avoid : Heat \ blaze \ phogiston and incompatibility matter °
Materials to Avoid : Halogen and trioxid \ Copper nitrate \ Peroxide-Na and Kalium \ Sulfur and some acid °
Hazardous Decomposition Products : No

11. Toxicological Information

Acute Toxicity : No
Local Reactions : No
Sensitivity : No
Chronic or Long Term Toxicity : No
Special Reactions : No information to check

12. Ecological information

Possible Environmental Impact/Environmental Run-offs :

Water poisoning : No

Moving 、 biology pile : No

13. Disposal considerations

Disposal Methods : Not fit for

No use or remain gas : Not fit for

Urgency status : Not fit for

14. Transport information

International Transportation Regulations : No

UN Reference No. : Not fit for

Domestic Transportation Regulations : Preclusive according operation and notice proceeding about storage 、 you should read the correlative hint carefully 。

Special Transportation Methods and Precautions : No

15. Regulatory information

Applicable Regulation : Labor safety satiation act 、 Poisoning defend statute 、 Castoff clear.

16. Other information

Ref. Document	AIR PRODUCTS MSDS 、 INTERN TIONAL MARITIME DANGEROUS	
Department	Dept. Name : Shenzhen Jufeng Solder Co..Ltd	
	Address/Tel. : +86-755-89501348 89501587	
Lister	Title : Director of Quality	Name(Signature) : Deng Zhen Lu
Date Prepared	May 28, 2012	Edit Date : May 01, 2021