



CHINA INDUSTRY (NINGBO) CO., LTD

ADD:622# XIANQIU ROAD, XIANXIANG TOWN, YINZHOU DISTRICT, NINGBO, CHINA.
TEL:0574-88313816 FAX:0574-87895086

SAFETY DATA MSDS

LEAD FREE LWC07/LBC07 (Sn99.3/0.3Cu.7)

Art Number: LWC07/LBC07

Object: Sn99.3/ Cu0.7

1. APPEARANCE: The surface bright and clean
2. SYMBOL: Refer to China industry (ningbo) co., ltd. specification standard tip
3. FEATURES : Solder performance especially good , Welding residual transparent ,non-corrosive
4. PURPOSE: Suitable for general electronic parts and electric appliance's welding.
5. SPEC: meet LWC07/LBC07 requirements and meet ROHS.
6. PHYSICAL PROPERTIES:
 - (1) LIQUIDUS TEMPERATURE: 227℃.
 - (2) SPECIFIC GRAVITY: 7.3.
7. ALLOY COMPOSITION (Wt%):

Alloy											
	Component (%)		Impurities part (%)								
	Sn	Cu	Ag	Pb	Bi	Zn	Fe	Sb	Al	As	Cd
	99.3	0.7	<0.01	<0.03	<0.03	<0.001	<0.002	<0.02	<0.001	<0.015	<0.001
	Bal	±0.2									



CHINA INDUSTRY (NINGBO) CO., LTD

ADD:622# XIANQIU ROAD, XIANXIANG TOWN, YINZHOU DISTRICT, NINGBO, CHINA.
TEL:0574-88313816 FAX:0574-87895086

SAFETY DATA MSDS

1. Goods and manufacturers

Name : LEAD FREESOLDER WIRE/LEAD FREE SOLDER BAR
Art no. : LWC07/LBC07
manufacturer: China industry (ningbo) co., ltd.
TEL: 0574-88313816 FAX: 0574-87895086

2. Component

NAME	patent	CONTENT(WT%)	CAS NO.
Tin	Sn	99.3	7440-31-5
Copper	Cu	0.7	7440-50-8

3. No harmful to human:

This products meet up WEEE/ROHS requirements. LEAD and CADMIUM is Prohibited as per USA (ENA). This products LEAD content (Wt%) ≤ 300 PPM, CADMIUM content (Wt%) ≤ 10 PPM. So no harmful to human.

4. Emergency measures

In case of the following circumstances when in operation, please handle according to the following guidelines
* Sucked in: patients will be moved to fresh air. If the patient has stopped breathing, impose artificial respiration and emergency treatment.
* Skin exposure: wash with large amount of water, use soap if possible. If irritable again, go to the hospital
* Eye contact: wash with large amount of water, 15 minutes or until the feeling disappear. If irritable again, go to the hospital
* Eating: no spits (unless medical personnel instructions); If, patients still conscious and sober, go to the hospital immediately.
The most important symptoms and urgent harmful effects: human inhaled over metal powder to obnubilation
*Protection for emergency personnel: No
*warning to the doctor: No



CHINA INDUSTRY (NINGBO) CO., LTD

ADD:622# XIANQIU ROAD, XIANXIANG TOWN, YINZHOU DISTRICT, NINGBO, CHINA.
TEL:0574-88313816 FAX:0574-87895086

SAFETY DATA MSDS

5. Fire extinguishing measures

Applicable fire extinguishing agent: water, foam, dry powder and co2 extinguisher.

Extinguish may meet special harm: no relevant literature to follow.

Special fire-fighting program: do not apply.。

Firefighters special protective equipment: oxygen tanks and protective clothing

6. Leak processing method

Individuals should note: avoid breathing solder smoke or dust

Environmental precautions: don't let leak expanding the area.。

Cleaning method: Air exhaust or wash .

7. Safe handling and storage method

Disposal:

* read all the containers labeled.

*Eating, drinking, smoking and makeup is prohibited in working place

* the operator use soap to wash their hands after operation

Storage: avoid high temperature; avoid contact the oxidant, acid and hydrogen peroxide.。

8.Expose prevention measure

Equipment: Adequate **Air exhaust equipment**

Concentration allowance

Biomedical data

Average
concentration
allowance(TWA)

(SGEL)

concentration
(Ceiling)

LD50

LC50

Pb: 0.05mg/m³
Sn:2.0mg/m³

Personal safety equipment:

Respiratory protective equipment:

*General: wear facemask.

*Emergency: dust or smoke over concentration allowance, wear gas mask.

*Eyes protective equipment: wear safe glasses or face shield



CHINA INDUSTRY (NINGBO) CO., LTD

ADD:622# XIANQIU ROAD, XIANXIANG TOWN, YINZHOU DISTRICT, NINGBO, CHINA.
TEL:0574-88313816 FAX:0574-87895086

SAFETY DATA MSDS_

9. Physical and chemical data

Physical shape: solid	PH: not applicable
Shape: bar/linear	Color: silver
Molecular weight: not applicable	Melting point: 221℃
Boiling point: not applicable	Flash point: not applicable
Decomposition temperature: 560 °C	Explosion boundaries: not applicable
Natural temperature: not applicable	smell: without odour
Steam proportion: air = 1 : not applicable	Steam pressure: not applicable
Density: 7.4/cm ³	Solubility: insoluble in water

10. Stability and reactivity

Stability	Stability unstable	applicable not applicable	Special circumstance harmful reactivity	no
Harm decomposition material: no				
The situation: high temperature should be avoided				
Should avoid substances: and acid, hydrogen peroxide, etc strongly acidic and strong oxidizing physical contact.				

11.Toxic data: --NLF (No Information Found)

12.Transportations

INTERNATIONAL MARITIME DANGEROUS GOODS CODE LABEL
USA DOT SHIPPING LABEL:
DOT SHIPPING NAME:NON-HAZARDOUS MATERIAL

13. Regulations

Labor safety and health Regulations, waste cleaning method related lead free regulations
--

14、 Ecological environment

Environmental impact/environmental distribution : no need pay special attention



CHINA INDUSTRY (NINGBO) CO., LTD

ADD:622# XIANQIU ROAD, XIANXIANG TOWN, YINZHOU DISTRICT, NINGBO, CHINA.
TEL:0574-88313816 FAX:0574-87895086

SAFETY DATA MSDS_

15、waste disposal method

Waste processing methods: belong to harmless waste, solid it before bury
--

16、. laws and regulations

Practical laws and regulations.

1. dangerous and harmful general rules.

2. the administration of toxic chemical substances.

17、other data

References	1、Harmful Chemical Substances Chinese data bank, Environmental Protection Agency
	2、RTECS data bank, TOMESPLUS disk, V01.34,1997
	3、HSDB data bank, TOMESPLUS disk, V01.34,1997
	4、IRIS data bank, USA Environmental Protection Agency