



# Material Safety Data Sheet

According to GB/T 16483-2008 & UN GHS 4.0 revision

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Revision No. : 3.0

## 1. Chemicals and Identification

### 1.1 products validation

product name Sn63Pb37  
descriptions Lead solder  
identifying information unknown

### 1.2 recommended and restrictions on use

1.2.1 recommended soldering for electronic parts and components  
1.2.2 restrictions unknown

### 1.3 Supplier information

Manufacturer NINGBO XIHAN TIN SOLDER CO.,LTD.  
Address South 371, Dongshao, Zhuangqiao, Jiangbei , Ningbo of China  
Mail box zhouyajun@solderchina.com  
TEL +86-574-87577700  
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1.4 Emergency calls +86-574-87560866

## 2. Hazards summarizing

### 2.1 classification of substances and mixture

#### 2.1.1 GHS hazards classification

physical hazards Unclassified  
health hazards  
Inhalation hazard category 1  
Respiratory sensitization category 1B  
Reproductive toxicity category 2  
Specific target organ system toxicity  
--repeating contact category 2  
environmental hazards Hazards of Aquatic environment category 2

### 2.2 Label element

pictogram



Warning words

Danger

hazard statement

Inhalation and if swallowed  
May cause sensitization by skin contact  
Vapours may cause drowsiness and dizziness

Precautionary statement

**precautionary measure**

Stay away from high temperature  
 Far away from strong acid and alkali  
 Don't inhale smoke and vapour  
 Washing hands thoroughly after handling.  
 Don't eat and drink when soldering  
 wear gloves/goggles/face guard.

**accident response**

After swallowing, induce vomiting if person is conscious, seek medical help.  
 After skin contact, immediately wash with soap and rinse.  
 After inhalation: supply fresh air, keep breathing smooth.  
 Of fire, use dry chemical, carbon dioxide, sandy soil .

**storage**

Stored in dry shade

**disposal**

According to local regulations

**3. composition information**

**material or mixture:** mixture

**Composition:**

chemical name	CAS	(%) content
tin	7440-31-5	61.5-64
lead	7439-92-1	35-38.5
rosin	65997-06-0	≤ 2.5

**4. first-aid measures****4.1 summarize****inhalation**

Supply fresh air, keep breathing smooth. If difficult in breath, oxygen; if respiratory arrest, artificial respiration then hospitalize.

**skin contact**

immediately wash with soap and rinse

**eye contact**

opened eye lip, Rinse under running water, see doctor.

**ingestion**

If person is conscious, induce vomiting, see medical help.

**4.2 acute and late effects**

Inhalation may damage respiratory tract

**4.3 First-aid personnel protection**

Let medical staffs know involved matter, to take measures to protect themselves.

**4.4 Special tips for doctor**

Provide general measures, according to the treatment of symptoms

**5. fire-fighting measures****5.1 out-fire method and extinguishing agent**

dry chemical, carbon dioxide, sandy soil

**improper**

Once-through water

**5.2 special risk**

Heated to break down, or under the condition of fire, will release carbon monoxide, carbon dioxide, aliphatic aldehydes.

**6. Accidental release measure****6.1 personal precautions**

Ensure adequate ventilation, Avoiding contact with eye and skin, and inhalation

<b>6.2 environmental precautions</b>	Do not allow product to reach sewage or any water course
<b>6.3 Leakage take in and cleaning method</b>	No leak
<b>6.4 Secondary hazard prevention measures</b>	No special advice.

## 7. handling and storage

### 7.1 handling

<b>technical measures</b>	No special advice.
<b>partial or full ventilation</b>	Adequate ventilation
<b>precautionary measures</b>	Develop healthy habit, avoid contact with skin and eyes. Washing after handling, equipped personal protection device. Washing hands and avoiding inhalation.
<b>operation instruction</b>	Introduce personal protection from SDS part 8.

### 7.2 safe storage

<b>technical measures</b>	Far away from fire source, strong acid and alkali
<b>condition</b>	Dry and cool space
<b>should be away</b>	strong acid and alkali
<b>packing materials</b>	no special advice

## 8. contact controls and personal protection

### 8.1 contact controls

<b>8.1.1 allowed concentration</b>	unknown
<b>8.1.2 Eng control way</b>	According to good industrial hygiene and safety practice, wash hands after handling or in break.

### 8.2 personal protection device

<b>respiratory system protection</b>	Avoid inhalation of steam, pls wear mask
<b>eye protection</b>	May flash or contact eyes, pls wear glass
<b>skin and body protection</b>	pls in anti-static overalls
<b>sanitary measures</b>	Before break and after handling washing hands immediately. Operation based on good industrial hygiene and safety practice.

## 9. physical and chemical properties

### 9.1 general information

<b>apperance</b>	slivery solid
<b>physical state</b>	solid
<b>shape</b>	solid wire
<b>smell</b>	tasteless
<b>PH value</b>	unknown
<b>melting and freezing point</b>	183/183°C
<b>boiling point, initial boiling point and range flash point</b>	unknown
<b>autoignition temperature</b>	unknown
<b>(%) : combustion limits-floor level</b>	unknown
<b>(%) : upper level</b>	unknown
<b>(%) : explosion limits-floor level</b>	unknown

(%) : explosion limits-upper level	unknown
density	8.4g/cm <sup>3</sup> (20°C)
solubleness	insoluble in water
<b>9.2 other dates</b>	
solubility	unknown
smell threshold value	unknown
evaporation rate	unknown
ignitability(solid, gas)	unknown
surface tension	unknown
light temperature	unknown
viscosity	unknown
molecular formula	unknown
molecular weight	Unknown

## 10. stability and reactivity

10.1 stability	Under the condition of normal operation and storage stability
10.2 The possibility of risk response	No hazardous reaction under normal use
10.3 should be avoided	High temperature
10.4 incompatible substances	Strong acid/alkali
10.5 harmful decomposition products	Carbonic oxide, carbon dioxide

## 11. toxicological information

11.1 Toxicokinetics, metabolism and distribution	unknown
<b>11.2 toxicological information</b>	
acute toxicity	
LD50: per oral, rat	5mg/kg (IUCLID)
LD50: per skin, hare	unknown
LC50: inhalation, rat	40000 ppm 4 hr. (RTECS)
skin irritation or corrosion	unclassified
eye irritation or corrosion	unclassified
respiration or skin sensibility	unclassified
germ cell mutagenicity	unclassified
carcinogenicity	unclassified
reproduction toxicity	unclassified
Specific target organ system toxicity- One-off contact	unclassified
Specific target organ system toxicity- Repeating contact	unclassified
inhalation risk	Unclassified

## 12. ecology information

### 12.1 ecotoxicity

fish	unknown
daphnia	unknown
algae	unknown

12.2 durability and degradability unknown

12.3 possible biological accumulation unknown

12.4 mobility in soil unknown

12.5 other harmful effects unknown

## 13. abandon dispose

13.1 residual waste According to local regulation

13.2 polluted package unknown

13.local disposal regulation unknown

## 14. transport information

	( ADR/RID ) road transportation	(IMDG) ocean carriage	(ICAO/IATA) air transportation
UN dangerous cargos No.	unknown	unknown	unknown
UN carriage name	unknown	unknown	unknown
UN perniciousness classify	unknown	unknown	unknown
packing group	unknown	unknown	unknown
marine pollutant	no	no	no
Special precautionary measures	See 2.2	See 2.2	See 2.2

## 15. regulation information

### 15.1special regulation/legislation of safety, health and environmental for materials and mixtures

if recorded by chemical catalogues of other countries

IECSC: No recorded

EINECS: No recorded

EPA TSCA: No recorded

DSL/NDSL: No recorded

GB12268-2012: hazardous articles list No recorded

Below laws, regulations and standards, make relevant stipulation for safe handling, storage, transportation, loading and unloading, classification and mark of chemicals.

the production safety law of the people's republic of china

the occupational disease prevention law of the people's republic of china

the environmental protection law of the people's republic of china

Hazardous chemical materials safety management regulation

Safety production license

## 15.2 Downstream consumption attention

Dispose should be accord with relevant law and regulation

## 16. other informations

### 16.1 change explain

According to standard GB/T16483-2008 <the chemical safety data sheet content and project order>, revised the former version SDS

### 16.2 training suggestion: No

### 16.3 detailed information

All information based on our current date, the SDS (the chemical safety data sheet) is only for this product.

### 16.4 reader attention

Owner of enterprise can only be used as beneficial supplement of other information obtained, and should be judged to this data properly. Be sure of moderate use for this product, guarantee health and safety of the workers. This data does not provide a guarantee, if there is any use behavior which violate this SDS or used with other products and programs, the consequence shall be borne by the users themselves.

### 16.5 abbr.

ADR: About international transport of dangerous goods road European protocol

IMDG: International maritime transport of dangerous goods rules.

EINECS: European Inventory of Existing Chemical Substance

IATA: International Air Transport Association

ICAO-TI: (ICAO) International Civil Aviation Organization

CAS: chemical abstracts No.

LC50: lethal concentration 50%

EC50: effect concentration 50%

LD50: lethal dose of 50%

The materials safety data sheet written based on optimum information of security and proper usage. But, we can't guarantee the timeliness and other express or hint information. To these data, our company do not bear any duty from the employ. The user should confirm the best information for their special usage after own research. Before use this product, every user should read this data carefully. If need more information for correct evaluation, pls contact with our company.

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