

# Material Safety Data Sheet(MSDS)

## I.Product and Company Information

Product name:	tin	
Product code:	national standard Sn99.95AA	
Names, addresses, and phone numbers of the manufacturer or supplier: Yunnan Chengfeng Nonferrous Metals Co.Ltd. Address: Datun, Gejiu city, Yunnan province Tel: 0873-2829909		
Emergency contact phone numbers/fax numbers:	0873-2829909	0873-2829908

## II. Ingredients Information

Pure material:	tin	
Chinese and English name:	锡 / Tin	
Synonyms:	Sn	
C.A.S. No.:		7440-31-5
The hazardous ingredient (% of the content):	N	
name of production		

Single product. Mixtures' difference:

The composition of product	Ingredients	Ratio
tin	Sn	> 99.95%


Permitted rate of the environment-related hazardous substances:

Environment-related hazardous substances	Containing rate (PPM)	Containing rate
plumbum/Pb	Y( <95 )PPM	N( )
cadmium/Cd	Y( <5 )PPM	N( )
hydrargyrum/Hg	Y( )PPM	N(√)
chromium/Cr <sup>+6</sup>	Y( )PPM	N(√)
PBBS	Y( )PPM	N(√)
PBDE	Y( )PPM	N(√)
	Y( )PPM	N( )

### III. Information risk

Risk:	The powder will burn when flame and high temperature
Environmental effects:	tin dust can do harm the environment, can cause water pollution.
Specific hazards:	Tin dust is harmful to human
Main symptoms:	Tin dust stimulates the eyes, skin, mucous membranes and upper respiratory tract. Long-term inhalation of tin smoke or dust can cause pneumoconiosis tin (or tin end of PAP)。

### IV. First-Aid Measures:

The first-aid measures for different exposure routes:

Inhalation:	get out of the scene and into open fresh air. If breathing is difficult, give oxygen. Medical treatment.
Skin contact:	Remove contaminated clothing, wash with flowing water.
Eye contact:	Flush eyelid, wash with flowing water or saline. Medical treatment.

#### V. Fire-fighting measures:

Suitable fire extinguishing media:	Powder, sandy soil
Specific hazards may be encountered during fire-fighting:	burn
Protective equipment for the protection of firefighters:	Firefighters are required to wear gas masks and body fire suit.

#### VI. Use and storage

Use:	N
Storage:	Stored in ventilated, dry place, separated with oxidants or acids, avoid mixing reservoir, storage temperature is no less than 13.20 °C.

#### VII. Accidental release measures:

Personal precautions:	wear dust mask (full cover) and protective clothing
Environmental precautions:	Isolation leakage polluted area, Safe disposal.
Methods for cleaning up:	Collect with a clean shovel into a dry, clean, covered containers. If large leakage, collect recycling

#### VIII. Prevention when exposed

Equipment:	N
Health measures:	N

**IX. Physical and Chemical Properties:**

State:	Silver-white metal	Volatile:	N
Melting Point:	231.9 °C	Boiling point:	2270 °C
Solubility:	N	Explosive:	N
Ignition point:	N	Density:	7.3
Flammability:	N		
Oxidation:	Easily oxidized at high temperature		

**X. Stability and Reactivity:**

Stability:	Stable at room temperature , non-toxic		
Conditions to avoid:	Away from fire, heat		
Hazardous decomposition products	N		

**XI. Toxicological information:**

Skin corrosive:	N	Acute toxicity:	N
Irritating:	N	Subacute toxicity:	N
Infectious:	N	Chronic toxicity:	N
Carcinogenic:	N	Deformity of reminders:	N
Variability:	N	Reproductive toxicity:	N

**XII. Environmental impact**

Decomposition:	N
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**XIII. Note about the waste**

Waste treatment	Recycling
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**XIV. Note about transport**

International regulations for transport:	Transport with non-corrosive material shipments, and prevent rain.
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**XV. Regulatory Information:**

Applicable information	GB/T728-2010
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**XVI. Other Information:**

Organization That prepared the MSDS	Name:	Yunnan Chengfeng Nonferrous Metals Co.Ltd		
	Address :	Datun, Gejiu city, Yunnan province		
Prerson who Prepared the MSDS	Job title:	Department Manager	Name:	Pu Jianyun
			(signature):	
Date the MSDS	04/Jan/21			