

# 物质安全资料表(MSDS)

## 一. 物品与公司信息

### 1. Goods and company information

物品名称: 锡镀层 Sn

Article name: Sn

化学品英文名称: tin

English name of chemical: tin

公司名称: 余姚市爱迪升电镀科技有限公司

Company name: yuyao aidisheng electroplating technology co., LTD

公司制造地址: 宁波市余姚市临山镇镇北工业区沧海路 7 号

Manufacturing address: yuyao xiaocao e town binhai industrial park

联系人: 姚建军

Contact: yao jianjun

联系电话: 0574-58121212

传真: 0574-62019555

Contact number: 0574-58121212 fax: 0574-62019555

## 二. 物品的成分/组成信息

### 2. Information about the composition of the item

物质纯度: 纯化学品物质

Material purity: pure chemical substance

物品名称: 锡镀层 Sn CAS NO: 7440-31-5

Article name: tin coating Sn CAS NO: 7440-31-5

其他毒害物质: N/A

Other toxic substances: N/A

## 三. 危害性资料

### 3. Hazardous data

本品可燃, 具刺激性。建议参考现场的其它物料。

**健康危害:** 对眼镜、皮肤、粘膜和上呼吸道有刺激作用。长期吸入锡的烟雾或粉尘可引起锡尘肺(或锡未沉着症)。

**环境危害:** 对环境有危害, 具刺激性。

**This product is flammable and irritant. Please refer to other materials on site.**

**Health hazard: irritates glasses, skin, mucous membranes and upper respiratory tract.**

**Prolonged inhalation of tin smoke or dust can cause tin pneumoconiosis (or pneumoconiosis).**

**Environmental hazards: harmful to the environment and irritating.**

## 四. 急救措施

### 4.Four. First aid measures

**因吸入接触时:** 将病人转移到新鲜的空气中, 保持病人体温和安静。

如果呼吸困难, 给输氧, 不得给病人吃任何的药物。如果病人没有意识, 将病人安置好后叫救护车。

**眼睛接触:**提起眼睑, 用流动清水或生理盐水冲洗十分钟以上。如眼睛发红、灼伤或视力减退, 应向眼科医生求诊。

**皮肤接触:** 立即脱掉所有受污染的衣物, 用大量的水冲洗接触皮肤。

**吞咽:** 催吐, 立即就医并告知吞咽物名称。

**For inhalation contact: transfer client to fresh air, keep client warm and quiet.**

**If breathing is difficult, give oxygen, and do not give the patient any medication. If the patient is unconscious, place the patient and call an ambulance.**

**Eye contact: lift eyelid and rinse with running water or saline for more than 10 minutes. Consult an ophthalmologist if your eyes are red, burned or your vision is failing.**

**Skin contact: immediately remove all contaminated clothing and rinse contact skin with plenty of water.**

**Swallow: to induce vomiting, seek medical advice immediately and tell the name of the swallowed.**

## 五. 灭火措施

### 5.Five. Fire extinguishing measures

**灭火剂:** 泡沫、干粉、沙土

**灭火时可能遇到之特殊危害:** 其粉尘遇高温、明火能燃烧。

**特殊灭火程序:** 消防人员穿防护服戴防毒面具, 在上风口灭火。

**Extinguishing agent: foam, dry powder, sand**

**Special hazards in fire fighting: dust can burn under high temperature and open fire.**

**Special fire extinguishing procedure: fire fighting personnel wear protective clothing and gas mask to put out the fire in the upper draught.**

## 六. 防护措施

### 6.Protective measures

**安全预防措施:** 避免皮肤接触、眼睛接触。绝对避免吸入产品粉尘。

**环境安全防护措施:** 防止任何物料流入下水道。

**根据相关规定对回收的废料进行处理。**

**清理措施:** 可被氯水破除。

**收集产品, 达到一定的量后也可回收利用**

**Safety precautions: avoid contact with skin and eyes. Absolutely avoid inhaling product dust.**

**Environmental protection measures: prevent any material into the sewer.**

**Dispose the recycled waste according to relevant regulations.**

**Cleaning measures: can be broken by chlorine water.**

**Collect the product, reach a certain amount can also be recycled**

## 七. 装卸和储存

### 7.Seven. Handling and storage

**装卸：**在通风良好的区域进行。

**推挤设备和程序：**关于个人安全，参见第八项。

**遵守产品标签陈述的防范规定和工业安全规章。**

**任何情况下，必须回收散落在作业区内的产品。**

**禁止设备和禁止程序：**禁止在预备用于装卸的作业区内吸烟和饮食。

**储存：**存放在干燥、通风良好的区域，储存容器密闭良好。

远离食物和饮水（包括提供给动物的）。

**必须在下列条件下储存：**储存间只有授权人才能进入，无酸存在

**Loading and unloading: in a well ventilated area.**

**Pushing equipment and procedures: for personal safety, see item 8.**

**Comply with the product label statement and industrial safety regulations.**

**In any case, products scattered in the operation area must be recycled.**

**Prohibited equipment and prohibited procedures: smoking and eating are prohibited in the working area intended for loading and unloading.**

**Storage: store in a dry, well-ventilated area with a well sealed storage container.**

**Stay away from food and water (including those provided to animals).**

**Storage must be under the following conditions: storage room only authorized access, acid free**

## 八. 技术措施：

### 8.Eight. Technical measures:

**保证足够的通风，如果可能在工作地点安装风扇进行适当的换风。定期检查空气情况。**

**安全呼吸器具：**空气中粉尘浓度超标时，必须佩戴自吸过滤式防尘口罩。需防止扬尘危害，紧急事态抢救或撤离时，应该佩戴空气呼吸器。

**手的防护：**戴橡胶手套操作。

**眼睛和面部防护：**戴化学安全防护眼镜。

**更多信息请参考第十一项——毒物学信息**

**Ensure adequate ventilation and, if possible, install fans in the workplace for proper ventilation.**

**Check the air condition regularly.**

**Safety breathing apparatus: when the dust concentration in the air exceeds the standard, self-suction filter dust mask must be worn. To prevent dust hazards, emergency rescue or evacuation, should wear air breathing apparatus.**

**Hand protection: operate with rubber gloves.**

**Eye and face protection: wear chemical safety glasses.**

**For more information please refer to item 11 - toxicology information**

## 九. 物理化学性质

### 9.Nine. Physicochemical properties

物质状态：固体

颜色：银白色金属

密度：7.29g/cm<sup>3</sup>

分子量：118.69

熔点：232

沸点：2260

气味：无气味

水中溶解度：无相关数据。N/A!

**State of matter: solid**

**Color: silver white metal**

**Density: 7.29 g/cm after**

**Molecular weight: 118.69**

**Melting point: 232**

**Boiling point: 2260**

**Odor: no odor**

**Solubility in water: no data available**

## 十. 稳定性和反应活性

### 10. Ten. Stability and reactivity

禁配物：强氧化剂、强酸

有害分解产物：无相关数据。N/A!

**Forbidden compounds: strong oxidant, strong acid**

**Harmful decomposition products: no data available**

## 十一. 毒化学信息

### 11. Toxic chemical information

吸入时：无相关数据。N/A!

吞咽时：无相关数据。N/A!

皮肤接触时：无相关数据。N/A!

眼睛接触时：无相关数据。N/A!

**Inhalation: no data. N/A!**

**Swallowing: no data available. N/A!**

**Skin contact: no data. N/A!**

**Eye contact: no data. N/A!**

## 十二. 生态学信息

### 12. Twelve. Ecological information

本产品不允许排入下水道。

水中毒性：水中浓度 9mg/L 时，沼花池沉淀物的发酵受抑制。

迁移性：无相关数据。N/A!

降解度：无相关数据。N/A!

聚积性：无相关数据。N/A!

**This product is not allowed to be discharged into the sewer.**

**Aquatic toxicity: when the concentration of 9mg/L in water, the fermentation of sediment in the pond was inhibited.**

**Migration: no data. N/A!**

**Degradation degree: no relevant data. N/A!**

**Accumulation: no relevant data. N/A!**

## 十三. 废品处置 DISPOSAL CONSIDERATIONS

### 13. Waste DISPOSAL DISPOSAL CONSIDERATIONS

处置前应参阅国家和地方有关法规。（使用前请参考他们的物料安全资料）。

废品对环境无毒害，可以回收利用。

**Before disposal should refer to the relevant national and local laws and regulations. (please refer to their material safety information before use).**

**Waste products are harmless to the environment and can be recycled.**

## 十四. 运输信息 TRANSPORT INFORMATION

### 14. TRANSPORT INFORMATION

包装类别：ZO1

本品运输须遵守的相关规定|：公路运输遵守 ADR;铁路运输遵守 RID;海运遵守 IMDG;航空运输遵守 ICAO/IATA

Package category: ZO1

Relevant regulations for transportation of this product | : ADR for road transportation; Rail transport complies with the RID; Shipping follows IMDG; Air transport complies with ICAO/IATA

## 十五. 法规信息

### 15. Regulatory information

化学危险物品安全管理条例（1987年2月17日国务院发布），化学危险物品安全管理条例实施细则（化劳发【1992】677号），工作场所安全使用化学品规定（【1996】劳部发426号）等法规，针对化学危险品的安全使用、生产、储存、运输、装卸等方面均作了相应规定；车间空气中铜尘(烟)卫生标准（GB 11531-89），规定了车间空气中该物质的最高容许浓度及检测方法。

危险物及有害物通识规则

特殊规定：无相关数据。N/A!

符合欧盟 ROHS 标准

(chemical dangerous goods safety management regulations promulgated by the state council on February 17, 1987), the chemical dangerous goods safety management regulations, implementing rules (lowe hair [1992] no. 677), using chemicals workplace safety regulation (no. 426 [1996] labor department is sent) such as laws and regulations, for the safe use of hazardous chemicals, production, storage, transportation, loading and unloading and so on all has made the corresponding provisions; The hygienic standard for copper dust (smoke) in workshop air (GB 11531-89) specifies the maximum allowable concentration of the substance in workshop air and the test method.

General knowledge of hazardous and hazardous materials

Special provisions:

Comply with eu ROHS standards

## 十六. 其他信息

### 16. Other information

由于我们不知道使用者的工作条件，故本资料是根据我们目前所知己的国家相关法律规定的。本产品不可在项目 1 规定以外的场合使用，不可在未取得安全资料时使用。

任何时候，使用者在使用中应采取必要的措施遵守当地法规。

本资料只作为一种描述性的信息而不作为产品性质说明

Since we do not know the working conditions of the users, this information is based on the relevant laws of the countries we are currently close friends with.

This product shall not be used in any place other than specified in item 1, and shall not be used in the absence of safety information.

At all times, the user shall take necessary measures to comply with local regulations in use.

This information is intended to be descriptive and not to describe the nature of the product