

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2015/830,
According to REGULATION (EC) No 1272/2008



Revised date :18/07/2019

EFSH19071427-CG-01

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Solder wire
- **Registration number:** Data not available

- **1.2 Relevant identified uses of the substance or mixture and uses advised against on**
- **Application of the substance/ mixture:** Used for soldering.

- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ningbo welding material factory
Tel: +086 574 87293119

- **Only Representative/other EU contact point:** Information not available.
- **Further information obtainable from:** Ningbo welding material factory

- **1.4 Emergency telephone number**
- General in EU**
Tel: 112 (Available 24 hours a day)
- In China**
Tel: +086 574 87293119

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
Classification according to regulation (EC) 1272/2008: The product is not classified according to CLP Regulation.
- **Classification system:**
The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

- **2.2 Label elements**
- **Labeling according to Regulation (EC) No 1272/2008:** Not applicable
- **Hazard pictograms:** Not applicable
- **Signal word:** Not applicable
- **Hazard statements:** Not applicable
- **Precautionary statement:** Not applicable

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
PBT: Not applicable
vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization:** Mixture
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Component:**

CAS No.: 7440-31-5 EC No.: 231-141-8	Tin	99.3%
CAS No.: 7440-50-8 EC No.: 231-159-6	Copper	0.7%

SECTION 4: First aid measures

• 4.1 Description of first aid measures

General advice: No special immediate medical attention or special treatment required.

After inhalation: Supply with fresh air; Consult doctor if you feel unwell.

After skin contact: No special measures required normally.

After eye contact: Rinse eyes with water. If eye irritation persists: Get medical advice/attention.

After swallowing: Rinse mouth with water. Consult doctor if you feel unwell.

• **4.2 Most important symptoms and effects, both acute and delayed:** There are not any known symptoms and effects.

• **4.3 Indication of any immediate medical attention and special treatment needed:** No special medical attention or special treatment required.

SECTION 5: Fire-fighting measures

• 5.1 Extinguishing media

• **Suitable extinguishing agents:** Not flammable solid, use the suitable extinguishing agent surrounding condition.

• **5.2 Special hazards arising from the substance or mixture:** No special hazard arising from the mixture.

• 5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures:

Cut off leakage source and collect spillage; Ensure adequate ventilation.

• 6.2 Environmental precautions:

Do not allow the product to enter sewers/surface or ground water; Inform respective authorities in case of seepage into water course or sewage system.

• 6.3 Methods and material for containment and cleaning up:

Pick up mechanically; Dispose contaminated material as waste according to section 13.

• 6.4 Reference to other sections:

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling:** No special precaution required.

• **Information about fire and explosion protection:** Normal measures for preventive fire protection.

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Requirements to be met by storerooms and receptacles:** Store in a dry and well-ventilation place.

• **Information about storage in one common storage facility:** Keep from acid.

• **Further information about storage conditions:** Store locked up.

- **7.3 Specific end use(s):** Used for soldering.

SECTION 8: Exposure controls/personal protection

• 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs:** Data not available.
- **PNECs:** Data not available.
- **Additional information:** The lists valid during the marking were used as basis.

• 8.2 Exposure controls

- **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**
- **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

• Personal protective equipment

- **Respiration protection:** Dust mask is recommended.
- **Protection of hands:** No special protection of hands required.
- **Eye protection:** No special eye protection required.
- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• Appearance:

Form	Solid
Color	Silver white
Odor	Odorless
Odor threshold	Not applicable
• pH-value	Not applicable

• Change in condition

Melting point/melting range	231.9 - 231.93 °C
Boiling point and boiling range	2507 °C
• Freezing point	Not determined
• Flash point	Not applicable
• Flammability(solid, gas)	Not flammable solid
• Decomposition temperature	Not determined
• Self-ignition	Product is not self-igniting
• Danger of explosion	Product does not present explosive hazard

• Explosion limits

Lower:	Not explosive
Upper:	Not explosive
• Oxidizing properties	No oxidation
• Vapor pressure	Not determined
• Density	Not determined
• Relative density	Not determined
• Vapor density	Not determined
• Evaporation rate	Not determined

• Solubility in/Miscibility with

Water	4 µg/L at 20 °C and pH 6.5 - 7.7
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• Partition coefficient (n-octanol/water)	Not determined
• Viscosity	
• Dynamic	Not applicable
• Kinematic	Not applicable
• 9.2 Other information	Data not available

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No decomposition if used according to specification.
- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions:** No further relevant information available.
- **10.4 Conditions to avoid:** Moisture condition.
- **10.5 Incompatible materials:** Strong acid.
- **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** No animal test has been done for this product or the components.
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eyes damage/ irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Not hazardous to aquatic environment.
- **12.2 Persistence and degradability:** Inorganic substance
- **12.3 Bio-accumulative potential:** Low bio-accumulation.
- **12.4 Mobility in soil:** Low mobility in soil.
- **12.5 Results of PBT and vPvB assessment**
PBT: Not applicable
vPvB: Not applicable
- **12.6 Other adverse effects:** No further relevant information available.
- **12.7 Additional ecological information**
- **General notes:** Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.
Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

- **13.1 Waste treatment methods**
- **Recommendation:** Small quantities can be disposed together with household garbage; Large quantities disposed must be in according to the local regulation.
- **13.2 Un-cleaned packaging**
- **Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

• 14.1 UN-Number ADR, RID, ADN, IMDG, IATA	Not regulated as dangerous transport goods
• 14.2 UN proper shipping name ADR, RID, ADN, IMDG, IATA	Void
• 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA Class Label	Void Void
• 14.4 Packing group ADR, RID, ADN, IMDG, IATA	Void
• 14.5 Marine pollution	No
• 14.6 Special precautions for user Danger code (Kemler) EMS Number	Void Void
• 14.7 UN "Model Regulation"	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **MAK (German Maximum Workplace Concentration):** None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances-ANNEX I:** None of the ingredients is listed.
- **National regulations.**
- **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): None of the ingredients is listed.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.
- **REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or

disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

DNEL: Derived No-Effect Level (REACH).

PNEC: Predicted No-Effect Concentration (REACH).

PBT: Persistent, Bio accumulative and Toxic.

SVHC: Substance of Very High Concern.

LD50: Lethal dose, 50 percent.

LC50: Lethal concentration, 50 percent.

End of safety data sheet