



38071

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT NAME:Solder wire

MANUFACTURER:Forney Industries, Inc.

2057 Vermont Drive

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Tel:1-800-521-6038

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EMERGENCY TELEPHONE NUMBER: 1-800-535-5053

2. HAZARD IDENTIFICATION:

Emergency Overview: This product is normally not considered hazardous as shipped. Avoid eye contact or inhalation of dust from the product. When this product is used in a welding process, the most important hazards are welding fumes, heat, radiation and electric shock.

Classification of the Substance/Mixture

CLP/GHS Classification (1272/2008):

Carcinogenicity, Category 2

EU Classification (67/548/EEC):

Harmful (Xn), Carcinogen Category 3, R40

Labelling:

Symbols:

Signal Word: Warning

Hazard-determining components of labelling:

Titanium Dioxide

Hazard Statements:

H351 – Suspected of causing cancer.

Precautionary Statements:

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P280 – Wear protective gloves/eye protection/face protection.

P281 – Use personal protective equipment as required.

P308+P313 – IF exposed or concerned: Get medical advice/attention.

P402+P404 – Store in a dry place. Store in a closed container.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

name of material: solder wire		
Harmful material composition	Component percentages	Hazardous Ingredients
Sn	30.0±1.0%	Class 9 - other hazards
Pb	70.0±1.0%	Class 9 - other hazards
Cu	≤0.03	Class 9 - other hazards
Bi	≤0.03	Class 9 - other hazards
Sb	≤0.1	Class 9 - other hazards

As	≤ 0.02	Class 9 - other hazards
Fe	≤ 0.02	Class 9 - other hazards
Zn	≤ 0.002	Class 9 - other hazards
Al	≤ 0.002	Class 9 - other hazards
Cd	≤ 0.002	Class 9 - other hazards
S	≤ 0.015	Class 9 - other hazards

4. First Aid Measures

Inhalation: Remove the patient to ventilated place, such as difficulty in breathing, seek medical attention

Skin: With soap and water wash affected part, such as stimulating continues to seek medical attention

Eye: Wash eyes with water thoroughly, such as stimulating continues to seek medical attention

Ingestion: Set by the medical personnel immediately if necessary, vomiting, loss of consciousness of the people should not be fed any things is the most important symptoms and nasty harm effect: the stimulation of the skin and organs.

For emergency personnel's prevention: Emergency workers should wear masks and protective clothing.

Notes to physicians: The dust and smoke damage of tin

5. Fire-Fighting Measures

Hazardous Characteristics: The powder with high temperature, flame burns.

Hazardous Combustion Products: lead oxide

Extinguishing Method: Dry powder, dry sand.

Fire Precautions: If belong to produce a large amount of smoke acute exposure, emergency response personnel shall wear self-priming filter type dust mask or self positive pressure respirator are collected.

6. Accidental release measures

Personal Precautions: Remove all of the source, let the cat out of the area fully ventilated, wear personal protective equipment.

Environment Precautions: To prevent dust on degradation of air and moisture spread through, leak after collecting put in airtight container.

Cleaning Measures: Use will not produce a spark that tools and equipment use dust remove leaks will not spread in the air.

7. Handling and storage

Safety Disposal: Does not require special precautions

Operation Cautions: Operators must receive special training, strictly abide by the operation procedures. After operating solder adhesives, wash your hands before eating or smoking; Attention should be paid to clear the solder on the fingernails; The operating environment should keep ventilation.

Storage: Storage and storage tank to achieve requirements: store in a dry, well ventilated, no pollution, the clean warehouses, storage must be waterproof, anti-pollution, don't be placed directly on the ground.

8. Exposure controls/personal protection

MAC: No data

Monitoring Method: No data

Engineering Control: Generally do not need special protection, but need to prevent the smoke hazard.

Respiratory Protection: Excessive dust concentration in the air, it must be wearing a self-priming filter type dust mask. Urgent matter state rescue or evacuation, air breathing apparatus should be worn.

Hand Protection : Protective gloves

Glove Material: Alkyl cyanide rubber natural rubber and other insulation material to prevent burns. Into the glove material time please to Labour protection glove manufacturer to get the accurate fracture time and obey the rules as required.

Eye Protection : R sealing safety glasses goggles

Other Protective: No

9. Physical And Chemical Properties

Appearance : Silvery white slightly gray metal wire

Melting Point (°C): 185

Boiling Point (°C): inapplicability

Relative Density (water = 1): 9.7g/cm³

PH: not applicable

Molecular weight: not applicable

Odour : No

Steam ratio = 1: (air) : no data available

Vapor pressure (21.1 °C) : not applicable

Relative Density (air = 1): no data

Flash Point: no data

IgnitionTemperature: no data

Ignition Temperature: no data

Lower Explosive Limit: no data

Solubleness: Insoluble in water, soluble in nitric acid, soluble in dilute acid and alkali hydroxide solution main application: Used for high precision welding, timbre, film and television work especially strict welding equipment and spare parts. Advanced combination is such as computer, TV, acoustics, aviation, communication, etc.

10. Stability And Reactivity

Stability: stabilization

Prohibited content: Strong oxidant, acid

Polymeric crimes against: Can't happen

Avoid contact with conditions: no data

Combustion products (decomposition): Natural decomposition product is unknown.

11. TOXICOLOGICAL INFORMATION

Toxicity Category: No data.

Invasion route: Inhale, eat.

health hazard:

Pb: Damage hematopoiesis, nerves, digestive system and kidney. Main for chronic occupational poisoning. Nervous system mainly for neurasthenia syndrome, peripheral neuropathy (with movement function obviously

affected), followed by lead poisoning encephalopathy. The digestive system performance has lead the gum line, loss of appetite, evil Qin, abdominal distention, diarrhea or constipation, abdominal colic cases in medium and heavy. Hematopoietic system damage in porphyrin metabolic disorders, anemia, etc. Short contact large doses can be acute or subacute lead poisoning, performance similar to severe chronic lead poisoning. Lead in the form of inorganic substances or dust inhaled or through the water, food through the digestive tract after invading the body, the savings in the bone marrow, liver, kidney, spleen and brain "repository", later released slowly, into the blood stream, causing chronic poisoning, acute poisoning is are. Lead have toxic effects on the body, but in the nervous system, blood and cardiovascular system. Alkyl lead compounds for flammable liquid, for nerve poison, toxic. In the acute

Tin: Dust and smoke may cause the skin, mucous membrane irritation, and dust causes benign lung disease (tin pneumoconiosis)

Environment hazards: no data

Explosive danger : Powder of flammability.

12. ECOLOGICAL INFORMATION:

Biotoxicity: no data

biological degradability: no data

bio-concentration: no data

Other harmful effects: The material may have harm to the environment, it is suggested that don't make it into the environment.

13. Disposal considerations

Nature Of The Waste: Industrial solid wastes

Waste Disposal Method: Centralized storage to a certain number, can return to the factory for recycling use

Matters Need Attention: To eliminate product, please consult the appropriate recycling companies or local authorities.

14. Transport Information

Dangerous Goods Number: no UN number: no data packing mark: no data packaging categories: Z01

Packing Method: carton and pallet packaging or other way.

Shipping Notice: packing should be full of actual loading should be safe. Transportation process to ensure that the container does not leak, collapse, fall, and not damaged. It is strictly prohibited and oxidant, acids, edible chemicals such as conventional mixing. Transit should prevent insoluble, rain, heat. Transportation vehicles should make a thorough cleaning.

15. Regulatory Information

The hazardous chemical materials safety management regulations (state council order no. 344)

The dangerous goods name table (GB12268-2005)

The classification of dangerous goods and goods number (classified, under GB6944-2005)

The dangerous chemical safety specifications written regulations (GB16483-2000)

The commonly used the classification of dangerous chemicals and mark (GB13690-92)

16. Other Information

The data supplied in this form are based on the information in our possession at the date of updating. We will assume no liability regarding the accuracy and completeness of the information. All chemical products can in fact present unknown risks to health, safety and / or the environment, even in relation to the different operating conditions, and they must therefore be used with care. For this reason we cannot guarantee that the risk described in this form are the only foreseeable risks. The user must therefore satisfy himself as to the particular conditions under which it is intended to be use in. Moreover, it must be noted that the user is obliged to comply with all the legislative, administrative and regulatory provisions regarding the product and its use in terms of occupational hygiene and safety, and environmental protection, apart from the information given in the form, given purely as guidance.

