

1、CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT NAME : Lead Free Cored Solder Wire

PRODUCT IDENTIFIER : PF601-R、PF603-R、PF604-R、PF606-R、PF607-R、PF608-R、PF609-R、PF610-R、PF614-R、PF619-R、PF620-R、PF627-R、PF629-R、PF632-R、PF634-R、PF636-R、PF637-R、PF638-R、PF639-R、PF640-R、PF643-R、PF645-R、PF606-F3、F604-F4、PF606-F4、PF629-F4、PF643-F4、PF604-F5、PF606-F5、PF643-F5、PF667-F5、PF668-F5、PF604-F7、PF606-F7、PF627-F8、PF628-F8、PF604-F11、PF610-F11、PF629-F11

MANUFACTURER:

HEADADQUARTER:

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2、HAZARDS IDENTIFICATION

hazard classification: Acute toxic substance (inhalation) Level 4、Water environment toxic substances (acute toxicity) Level 3、Specific organ toxic matter — The repetition exposes level 2



Indication content:

Symbolic : Health、Exclamation mark

Warnings : Warning

1. Toxic by inhalation
2. Toxic to aquatic organisms
3. Long-term exposition possibly to organ injury

measure : 1. The body thinks not comfortably、Inquires of the medical service
2. Not inspiration dust
3. Avoids with the skin contact

Other hazard:

3、COMPOSITION, INFORMATION OR INGREDIENT

Components-Chemical Name	wt. %	CAS No.
Rosin	1.0~5.0	8050-09-7
Tin (Sn)	90.0~97.0	7440-31-5
Copper (Cu)	0.0~4.0	7440-50-8
Silver(Ag)	0.0~5.0	7440-22-4

4、FIRST AID MEASURES

First aid method in the different exposed way:

INHALATION :

Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel.

SKIN CONTACT :

Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.

EYE CONTACT :

Gently rinse the affected eyes with clean water for at least 15 minutes.

Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

INGESTION : Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.
The most important symptoms and hazardous effect: Irritation feeling
The protection to first-aid: Should wear the level C protection equipment in the safe area implementation first aid.
Notes to physicians: —

5 、 FIRE FIGHTING MEASURES

EXTINGUISH MEDIA : Use alcohol resistant foam, carbon dioxide or dry chemical extinguishing agents.
FIRE-FIGHTING INSTRUCTIONS : Not applicable
Specific fire-fighting methods : Not applicable
Special equipment for the protection of firefighters: Not applicable

6 、 ACCIDENTAL RELEASE MEASURES

Personal precautions: The man who without wear protect equipping or clothes forbidden enter in the let out area before clean.
Environmental precautions: Ventilate to the let out area.
Methods for cleaning up: 1. Recycle the material or bury with the qualified method in most convenient and safe way. 2. The liquid can be absorbed with the vermiculite, sand, soil or similar material.

7 、 HANDLING AND STORAGE

Handling: During work avoids producing the dust.
Storage: 1. Storage to suitably container which has the label. 2. Storage it in a coolly, dryly and ventilate well place.

8 、 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING MEASURES : 1. Partial air exhaust device. 2. Whole air exhaust device.
EXPOSURE GUIDELINES : TWA: 2mg/m ³ (Tin)
PROTECTIVE EQUIPMENT : Respiratory protection: 0~10 mg/m ³ : Dustproof breathing mask. 20 mg/m ³ : 1. Dustproof breathing mask. 2. Air supply type breathing mask. 50 mg/m ³ : 1. Dustproof and air filter breathing mask. 2. Continuous air supply type breathing mask. 100 mg/m ³ : 1.Contain high performance filter and air filter breathing mask. 2. Continuous air supply type breathing mask. Unknown consistency: Continuous air supply type breathing mask. Escape: 1.Contain high performance filter and air filter breathing mask. 2. Continuous air supply type breathing mask. Hand protection: Rubber or plastic glove. Eye protection: 1. The safe goggles which can defend splash. 2. Face guard in an all-round way. 3. Don't wear the contact lenses. Skin and body protection: Apron, long sleeves clothes. Hygiene measures: Forbid smoking or diet in the workplace.

9、PHYSICAL AND CHEMICAL PROPERTIES

Appearance(physical state, color) : solid wire	Odor: Tasteless
Odor threshold: —	Melting point: 210~232℃
pH: —	Boiling point/Boiling point range:
Flammability (solid, gas): —	Flash Point: —
Decompose temperature: —	Test Method: —
Auto-ignition temperature: —	Explosion Limit: —
Vapor Pressure: —	Vapor Density: —
Density: 7.2g/cm ³ ~7.5g/cm ³ (20℃)	Solubility: Difficult to mix with water
Partition coefficient(n-octanol/water,log Kow): —	Evaporation rate: —

10、STABILITY AND REACTIVITY

Stability: Stable
Possible hazardous reactions under specific conditions: not applicable
Materials to be avoided: Strong acids, strong oxidizers.
Dangerous products of decomposition: not applicable

11、TOXICOLOGICAL INFORMATION

Routes of exposure: nose, skin.
Symptoms: May cause the irritation of nose, skin.
Acute toxicity: May cause the irritation of nose, skin.
Chronic toxicity or long term toxicity: —

12、ECOLOGICAL INFORMATION

Ecotoxicity: —
Persistent and biodegradable: —
Bio-accumulative potential: —
Mobility in soil: —
Other adverse effects: —

13、DISPOSAL CONSIDERATIONS

Methods of waste disposal: Bury with qualified hygiene.

14、TRANSPORT INFORMATION

UN No.: —
UN Proper shipping name: —
Transportation hazard classification: —
Packing group: —
Marine pollutant (Yes/No): —
Specific transport measures and precautionary conditions: —

15 、 REGULATORY INFORMATION

Applicable regulations:

1. Occupation safe hygiene facilities rule.
2. Laborer operating environment permits the thickness standard
3. Industrial waste storage cleaning dispose method and facility standard
4. Hazardous chemicals labeled general rule

16 、 OTHER INFORMATION

Reference	Occupational Safety and Health Administration , Ministry Of Labor, GHS inquiry system		
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Note	Indication "—" represents present not correlation data, Indication"/" represents this column not applicable		

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