

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Solder Wire	
Other name:	
Product identifier: RH40-RAA、RH50-RAA、RH60-RAA、RH63-RAA、RH40-RA、RH50-RA、RH50-Bi10-RA、RH60CU2-RA、RH60-RA、RH62-RA-AG2、RH63-RA、RH70-RA、RH5-RB、RH13-RB、RH20-RB、RH40-RB、RH45-RB、RH50-RB、RH60-RB、RH70-RB、RH62-RB-AH2、RH60-RB-AG2、RH63-RB、RH40-RC、RH5-F1、RH45-F11、RH50-F11、RH60-F100、RH63-F11、RH45-F13、RH50-F13、RH60-F13、RH63-F13	
Suggest purpose: For professional use only	
Manufacture: SHENMAO TECHNOLOGY INC.	
Address: No.12-1 Gongye 2 nd Rd., Guanin industrial area, Taoyuan City 328, Taiwan	
TEL: (886)3-416-0177	FAX: (886)3-416-0133
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2. HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture

Classification according to Regulation (EC)No 1272/2008



GHS08 health hazard

Carc.2 H351 Suspected of causing cancer

Repr.1B H360 May damage fertility or the unborn child

STOT RE. H373. May cause damage to organs



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Sens. 1 H317: May cause an allergic skin reaction

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms


GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

LEAD (Pb)

Rosin

Hazard statements

H351: Suspected of causing cancer

H360: May damage fertility or the unborn child

H373: May cause damage to organs through prolonged or repeated exposure

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H317: May cause an allergic skin reaction

Precautionary Statements

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P321: Specific treatment (see ... on this label).

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.




P362+P364: Take off contaminated clothing and wash it before reuse.

P402: Store in a dry place.

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

3. COMPOSITION, INFORMATION OR INGREDIENT

Mixture :

Components-Chemical Name :	wt. %	CAS No.
Tin	5.0-95	CAS:7440-31-5 EINECS: 231-141-8
Lead  Carc. 2, H351; Repr. 1B, H360; STOT RE 2, H373  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	5.0-98	CAS:7439-92-1 EINECS: 231-100-4
Rosin  Skin Sens. 1, H317	0.5-5.0	

4. FIRST AID MEASURES

First aid method in the different exposed way:

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.
SKINCONTACT	Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.
INHALATION	Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel.

INGESTION	<p>Give the person one or two glasses of water or solution of salt, try to get the victim to vomit.</p> <p>Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.</p>
The most important symptoms and hazardous effect: —	
The protection to first-aid: Should wear the level C protection equipment in the safe area implementation first aid.	
Notes to physicians: If the patient swallows, consideration gastric lavage and bowel movement.	

5. FIRE-FIGHTING MEASURES

EXTINGUISH MEDIA:
Use alcohol resistant foam, carbon dioxide or dry chemical extinguishing agents.
FIRE-FIGHTING INSTRUCTIONS:
<ol style="list-style-type: none"> 1. Move the container out to the safe area. 2. Cooling storing or container expose in a fire scene with water
Special equipment for the protection of firefighters: —

6. ACCIDENTAL RELEASE MEASURES

Shut out all sources of ignition; No flare, smoking or flames in area.
Wear proper protective equipment.
For spills, wipe and scrape away with cloth or paper, take up and store in a sealed container.

7. HANDLING AND STORAGE

HANDLING:
Do not use fire near storage area.
Wear proper protective equipment.
STORAGE:
Keep away from heat or sunlight.
Dry and non-corrosive with no sunlight

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING MEASURES :
Use only with adequate ventilation and in closed systems.
Make available emergency shower and eye wash in the work area.
EXPOSURE GUIDELINES :
ACGIH TLV: 0.15mg/m ³ (Lead)
2mg/m ³ (Tin)
PROTECTIVE EQUIPMENT:
RESPIRATORY PROTECTION: Industrial canister gas masks.(Heating)
EYE PROTECTION: Safety goggles.
HAND, SKIN AND BODY PROTECTION: Rubber gloves.

Selection of specific items such as boots, apron or full-body suit will depend on operation.

9. Physics and chemical property

Appearance : Silver gray Solid	Odor : —
Odor threshold : —	Melting point : 183-314°C
Ph value : —	Boiling point : —
Flammability : —	Flash Point: — Test Method (Open cup or Close cup) : —
Decomposition temperature : —	Test method : —
Auto ignition temperature : —	Explosion limits : —
Vapor pressure : —	Vapor density : —
Density : 8.2-11 g/cm ³	Solubility : Almost Insoluble
Partition coefficient (log Kow) : —	Evaporation rate : —

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable, hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Strong oxidizing agents, strong bases and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon oxide on burning.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

CORROSIVE AND IRRITANT PROPERTIES:Not available

ALLERGENIC AND SENSITIZING EFFECTS:Not available

ACUTE TOXICITY:Not available

SUB-ACUTE TOXICITY:Not available

CHRONIC TOXICITY:Animal drink water containing 0.18mg/L of lead may get lead poisoning.
Rats ingested the 0.005mg/Kg of lead showed evidence of CMS disturbances.

CARCINOGENIC EFFECTS:Not available

MUTAGENIC EFFECTS:Not available

EFFECTS ON THE REPRODUCTIVE SYSTEM:Not available

TERATOGENIC EFFECTS:Not available

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. TRANSPORTS INFORMATION

UN No.: Not applicable

UN Proper shipping name: Not applicable

Transportation hazard classification: Not-restricted by IATA

Packing group: Not applicable

Marine pollutant (Yes/No): Not applicable

Specific transport measures and precautionary conditions: Dry and non-corrosive with no sunlight

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

All ingredients are listed on the following Government Inventories:

China: Inventory of Existing Chemical Substances in China (IECSC)

Korea: Korea Existing Chemicals List (ECL)

Europe: European Inventory of Existing Commercial Chemical Substances (EINECS)

Japan: Inventory of Existing and New Chemical Substances (ENCS)

Philippines: Philippine Inventory of Chemicals and Chemical Substances (PICCS)

USA: TSCA (Toxic Substances Control Act) TSCA Inventory of Chemical Substances

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Hazard pictograms



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P270 Do not eat, drink or smoke when using this product.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P402 Store in a dry place.

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

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P321: Specific treatment (see ... on this label).

P362+P364: Take off contaminated clothing and wash it before reuse.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Reference	Occupational Safety and Health Administration , Ministry Of Labor, GHS inquiry system
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