

SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Name: SOLDER 60/40 ROSIN CORE**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Type: Solder
Product Name: **SOLDER 60/40 ROSIN CORE**
Part Number(s): **6033, 6034, 6040, 6045
9132, 9134**

Emergency Contact: **Chemtrec**
Phone: **(800) 424-9300**

SECTION 2. HAZARDS IDENTIFICATION

Goods hazard classification: Reproductive toxicity Category 1
Carcinogenicity Category 2
Acute toxic substance (inhalation) Category 4

Indication content:
Symbol : Health \ Exclamation

Signal word : Hazard

Hazard statement :

1. May damage fertility or the unborn child
2. Suspected of causing cancer
3. Harmful if inhaled

Precautionary statements :

1. Use only with adequate ventilation
2. Dispose of surplus and container via a licensed waste disposal contractor
3. Get medical attention if accident or irritation occurs

Other hazard: —

SECTION 3. COMPOSITION, INFORMATION OR INGREDIENT

Mixture :

| Components-Chemical Name | CAS number | Density or Scope of Density Percentage |
|--------------------------|------------|--|
| Tin | 7440-31-5 | 4.0-95 |
| Lead | 7439-92-1 | 5.0-98 |
| Silver | 07440-22-4 | 0-5.0 |
| Rosin | 8050-09-7 | 0.5-5.0 |

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| 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 | Give the person one or two glasses of water or solution of salt, try to get the victim to vomit. 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: If the patient swallows, consideration gastric lavage and bowel movement. | |

SECTION 5. FIRE-FIGHTING MEASURES

| EXTINGUISH MEDIA: |
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| Use alcohol resistant foam, carbon dioxide or dry chemical extinguishing agents. |

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- Shut off fuel to fire if possible to do so without hazard.
- Evacuate area and fight fire from a safe distance.
- Apply water from a safe distance to cool and protect surrounding area.
- Firefighters should wear proper protective equipment.

FLASH POINT:_Not applicable**EXPLOSION LIMIT:**_Not available**SECTION 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.

SECTION 7. HANDLING AND STORAGE**HANDLING:** Do not use fire near storage area.

Wear proper protective equipment.

STORAGE: Dry and non-corrosive with no sunlight**SECTION 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.

ENGINEERING MEASURES :

| Hazardous ingredient | TWA(mg/m3) | STEL | CEILING | BEIs |
|----------------------|------------|------|---------|------|
| Lead | 0.1 | --- | --- | --- |
| Tin | 2.0 | --- | --- | --- |

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Product Name: SOLDER 60/40 ROSIN CORE**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONTINUED)****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.

SECTION 9. PHYSICS AND CHEMICAL PROPERTY

| | |
|--------------------------------------|-------------------------------|
| Appearance : Silver gray Solid | Odor : — |
| Odor threshold : — | Melting point : 183-316°C |
| Ph value : — | Boiling point : — |
| Flammability : — | Flash point : — |
| Decomposition temperature : — | Test method : — |
| Auto ignition temperature : — | Explosion limits : — |
| Vapor pressure : — | Vapor density : — |
| Density : 8.2-11.2 g/cm ³ | Solubility : Almost Insoluble |
| Partition coefficient (log Kow) : — | Evaporation rate : — |

SECTION 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.

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|--|
| 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 |

SECTION 12. ECOLOGICAL INFORMATION

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

SECTION 13. DISPOSAL CONSIDERATIONS

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| Methods of waste disposal: Bury with qualified hygiene. |
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SECTION 14. TRANSPORT INFORMATION

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| UN No.: Not applicable |
| UN Proper shipping name: Not applicable |
| Transportation hazard classification : Not-restricted by IATA and IMDG. IMO- IMDG /ICAO/ IATA –DGR : NOT REGULATED AS A DANGEROUS. |
| Packing group: Not applicable |
| Marine pollutant (Yes/No): Not applicable |
| Specific transport measures and precautionary conditions: Dry and non-corrosive with no sunlight |



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SECTION 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

SECTION 16. OTHER INFORMATION

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

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