

## Section 1 - Identification of the Material and Supplier

Supplier	Newfield Group Ltd, 491 Waterloo Road, Christchurch 8042 Phone: 03 348 0799
Product Name	PERI LEADED SOLDER
Product Codes	PES1615G, PES1655G, PES32500G, PES2325G, PES2370G
Other Names	Peri Electrical Solder
Recommended Uses	Electrical Soldering
Creation Date	January 2026
This Version Issued	January 2026 and is valid for 5 years from this date

**EMERGENCY CONTACT NUMBER (National Poisons Centre): 0800 764 766**

## Section 2 - Hazards Identification

Classification of Substance or Mixture:

Classification in accordance with GHS-US

Acute Tox. 4 (Oral) H302

STOT RE2 H373

Repr. H361

Resp. Sens 1B H334

Skin Sens. H317

Aquatic Chronic 4 H413

Label Elements (CLP): Danger



**Hazard statements (GH5-US):**

- H302 Harmful if swallowed
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317 May cause an allergic skin reaction
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H413 May cause long lasting harmful effects to aquatic life.

**Precautionary statements:**

- P270 Do not eat, drink or smoke with using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P341 IF INHALED: breathing is difficult, remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously water for several minutes. Remove contact lenses, if present and easy do. Continue rinsing.

- P402 Store in a dry place.
- P501 Dispose of contents and container in accordance with local regional/national international regulations.

**Other hazards:** No additional information available  
**Unknown acute toxicity (GHS-US):** No data available.

## Section 3 - Composition and Ingredient Information

Substance is a mixture with following general composition

Note: Solder Wire is considered to be an article and is not subject to the Classification (Hazard Information and Packaging for Supply), because it is not hazardous as supplied. However, this product may become hazardous in use and the information included in this data sheet reflects the hazards associated with solder operations.

Ingredients	CAS No	Wt %	H Phrases
Tin (Sn)	7440-31-5	30-80	Not classified
Lead (Pb)	7439-92-1	20-70	H351; H361; H413
Modified Rosin	65997-13-9	0.1-1.5	H360Fd, H361, H317, H335

Unlisted percentages are non-hazardous stabilizers, and water. None of the materials in this product are listed in NTP, ARC, or OSHA as carcinogens.

## Section 4 - First Aid Measures

- Inhalation:** Remove to fresh air
- Eyes:** Flush with water for fifteen (15) Minutes. Call physician.
- Skin:** Wash thoroughly with water.
- Ingestion:** If patient is fully conscious, give large amounts of water. Obtain medical attention immediately. Most Important Symptoms and effects, both acute and delayed
- Primary Routes of Entry into Body:** Fume inhalation, ingestion, skin, and eyes.
- Symptoms of Overexposure:** Short-term (acute) overexposure to the gases, fumes, and dusts may include irritation of the eyes, lungs, nose, and throat. Some toxic gases associated with welding may cause pulmonary edema, asphyxiation, and death.
- Acute overexposure may include signs and symptoms such as watery eyes, nose and throat irritation, headache, dizziness, difficulty in breathing, frequent coughing, or chest pain. The presence of chromium/chromate in fumes can cause irritation of nasal membranes and skin. The presence of nickel compounds in fumes can cause metallic taste, nausea, tightness of chest, fever, and allergic reaction. Excessive inhalation or ingestion of manganese can produce manganese poisoning. Overexposure to manganese compounds may affect the central nervous system, symptoms of which are languor, sleepiness, muscular weakness, emotional disturbances, and spastic gait resembling Parkinsonism. These symptoms can become progressive and permanent if not treated. Excessive inhalation of fumes may cause "Metal Fume Fever" with Flu-like symptoms such as chills, fever, body aches, vomiting, sweating, etc.

**Medical Conditions Generally Aggravated by Exposure:** Any weakness of the lungs, kidneys or liver will be aggravated.

**Chemical Listed as Carcinogen or Potential Carcinogen:** None

**OSHA Permissible Exposure Limit (PEL):** NA

**ACGIH Threshold Limit Value (TLV):** NA

## Section 5 - Fire Fighting Measures

**Flash Point:** NA

**Flammable Limits:** NA

**Extinguishing Media:** Use fire extinguishers appropriate for surrounding fire conditions. Water fog. Dry chemical powder. Dry sand. Carbon dioxide (CO2).

**Auto Ignition Temperature:** NA

**Special Fire Fighting Procedures:** Firefighters must wear NIOSH approved self-contained breathing apparatus and full fire protective clothing.

**Unusual Fire and Explosion Hazards:** None presently known

## Section 6 - Accidental Release Measures

**Steps to be taken in case material is spilled:** Pick up solids and put in container for or recycling. Do not sweep, use vacuum. Reduce airborne dust by moistening with water.

## Section 7 - Handling and Storage

**Storage Requirements:** Store in low temperature and low humidity area.

**Handling Precautions:** Users should wear protective gloves and glasses when handling solder paste. Soldering should be conducted in good ventilation environment.

**Other Precautions:** Keep the tin and lead fume levels below the OSHA permissible exposure limit

## Section 8 - Exposure Controls / Personal Protection

**Respiratory Protection (TYPE):** NIOSH approved

**Ventilation:** Yes

**Mechanical (General):** Yes

**Local Exhaust:** Yes

**Eye Protection:** Safety glasses

**Protective Gloves:** NIOSH approved gloves

**Other Protective Clothing or Equipment:** Recommend laboratory or work coat

## Section 9 - Physical and Chemical Properties

<b>Boiling Point:</b>	NA
<b>Vapor Pressure (mm Hg):</b>	NA
<b>Percent Volatile by Volume:</b>	NA
<b>Vapor Density (Air = 1):</b>	NA
<b>Evaporation Rate (Butyl Acetate = 1):</b>	NA
<b>Melting Point:</b>	NA
<b>Solubility in Water:</b>	Insoluble
<b>Appearance and Odour:</b>	Solid metal, odorless

## Section 10 - Stability and Reactivity

<b>Stability:</b>	Product is stable
<b>(Conditions to Avoid):</b>	NA
<b>Incompatibility:</b>	Strong acids and alkali and oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Harmful organic fumes and toxic oxide fumes at elevated temperatures.
<b>Hazardous Polymerization:</b>	Will not occur
<b>(Conditions to Avoid):</b>	NA

## Section 11 - Toxicological Information

### ACUTE TOXICITY DATA

<b>Oral: LD-50 (rat):</b>	Not available
<b>Inhalation: LC-50 (rat):</b>	Not available
<b>Dermal: LD-50 (rabbit):</b>	Not available
<b>Skin Irritation: (rabbit):</b>	Not available

### CHRONIC TOXICITY DATA

<b>Repeated Skin Application: (rat):</b>	Not available
<b>Eye Irritation: (rabbit):</b>	Not available

## Section 12 - Ecotoxicological Information

This material has not been tested for environmental effects.

## Section 13 - Disposal Considerations

**Waste Disposal Method:** Dispose Disposal accordance with EPA of in regulations

## Section 14 - Transport Information

**D.O.T. Proper Shipping Name:** Non-hazardous  
**Hazard Class:** NA  
**Identification Number:** NA  
**Packing Group:** NA  
**Type D.O.T Label Required Information:** NA  
**Waste Disposal Method:** Dispose in accordance with EPA regulations.

## Section 15 - Regulatory Information

OSHA Hazardous Chemical According to 29 CFR 1910.1200: NA  
 Carcinogenicity Classification: NA  
 International Agency for Research on Cancer (IARC): NA  
 American Conference of Governmental Industrial Hygienists (ACGIH): NA  
 National Toxicology Program (NTP): NA  
 Occupational Safety and Health Administration (OSHA): NA  
 All Components of this Product are Listed on the U.S. Toxic Substances Control Act Inventory or otherwise comply with TSCA Pre-manufacture Notification Requirements.  
 This product is R0HS compliant.

## Section 16 - Other Information

The labeling of this product is indicated in Section II. The full text of all abbreviations indicated by codes in the MSDS are as follows:

R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
S-26	In case of eye contact, rinse thoroughly and get medical attention
S-27	Take off contaminated clothing immediately
S-36/37/39	Wear suitable protective clothing, gloves, and eye/face protection
S-45	In case of accident or if feeling unwell, call medical advice immediately
H360Fd	May damage unborn child, suspected of damage to fertility
H314	Causes severe burns and eye damage
H317	May cause allergic skin reaction
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child

## Disclaimer

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