

Section 1 - Identification of the Material and Supplier

Supplier	Newfield Group Ltd, 491 Waterloo Road, Christchurch 8042 Phone: 03 348 0799
Product Name	PERI LEAD FREE SOLDER
Product Codes	PES115G, PES1685G
Other Names	Peri Electrical Solder
Recommended Uses	Electrical Soldering
Creation Date	January 2024
This Version Issued	January 2024 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 (CLP): NA
 Label Elements (CLP): NA



Risk Phrases: R36/37/38
 Safety Phrases: S-26, S-27, S-36/37/39, S-45
 See Section 16 for full text description of S and R phrases
 Other Hazards: None if used properly

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 %	PEL-OSHA	H Phrases
Tin	7440-31-5	95 – 97.5	2.0mg/m ₃	NA
Copper	7440-50-8	3.7 - 4.2	0.1mg/m ₃	NA
Modified Rosin	65997-13-9	0.1-1.5	NA	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 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:	Salivation, coughing, choking, chills, may cause weight loss, brittle bones, anemia, and stiff joints.
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.
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 reuse or recycling. Do not sweep, use vacuum. Reduce airborne dust by moistening with water.
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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, silver, 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

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

Section 10 - Stability and Reactivity

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

Section 11 - Toxicological Information

ACUTE TOXICITY DATA

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

CHRONIC TOXICITY DATA

Repeated Skin Application: (rat):	Not available
Eye Irritation: (rabbit):	Not available

Section 12 - Ecotoxicological Information

This material has not been tested for environmental effects.

Section 13 - Disposal Considerations

Waste Disposal Method:	Dispose of in accordance with EPA regulations.
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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:	(Components Present at 0.1% or More)
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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