



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 23.06.2014

Revision: 23.06.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: LEAD FREE SOLDER SN 99.25 CU 0.75 - 211156 Electrical Solder

Recommended Use of the Chemical and Restriction on Use: Solder wire

Details of Manufacturer or Importer:

Primus Australia Pty Ltd
3/20 Enterprise Drive
Bundoora VIC 3083

Phone Number: 03 9468 4400

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature: The product is not classified according to the Globally Harmonized System (GHS).

Label Elements

Signal Word Void

Hazard Statements Void

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: No reportable hazardous substances or complex substances.

Hazardous Components: Void

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion: Seek immediate medical attention.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide or dry chemical. Do not use water on molten metal. Large fires may be flooded with water from a distance.

Specific Hazards Arising from the Chemical:

The solid metal form is not a fire hazard. However, when material is in the form of dust and exposed to heat and flames may present a moderate fire or explosion hazard. Hazards also exist when this product is involved in chemical reactions or in contact with powerful oxidizers.

Hazardous combustion products include metal oxide fumes.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

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6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved safety glasses or goggles, leather gloves and protective clothing (overall). Evacuate all non-essential personnel from affected area. Do not generate dust. Provide adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

If molten, allow to cool and solidify then scrap up. Pick up solids and put in container for reuse or recycling. Do not sweep, use vacuum. Reduce airborne dust by moistening with water. Provide adequate ventilation.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours / dusts. Users should wear protective gloves and glasses when handling solder paste. Soldering should be conducted in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Protect from humidity. Keep away from strong oxidizing agents and acids.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

7440-31-5 tin

NES	STEL: 0.2** mg/m ³ TWA: 2* 0.1** mg/m ³ *metal, oxide, inorg. comp.;**org. comp.(as Sn):Sk
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7440-50-8 Copper

NES	TWA: 1* 0.2** mg/m ³ *dust&mists **fume
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Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Personal Protective Equipment (PPE):

Respiratory Protection:

Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

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Leather/pigskin, aramid blend, terrycord or cotton blend gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing. See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against molten metal and hot solids (face-shields or wire-mesh screens complying with the requirements for medium impact protectors). See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Solid
Colour:	Silver to gray metallic
Odour:	Odourless
Odour Threshold:	Not applicable
pH-Value:	Not applicable.
Melting point/Melting range:	227 °C
Flash Point:	Not applicable.
Flammability:	Non flammable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Relative Density at 20 °C:	>7 g/cm ³
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable.
Solubility in Water:	Insoluble

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Moisture, humidity.

Incompatible Materials: Strong oxidising agents and strong acids.

Hazardous Decomposition Products: Metal oxide fumes.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**Acute Health Effects****Inhalation:**

Inhalation of dust may cause respiratory irritation. Excessive inhalation of dust or fumes may result in "metal fume fever". It takes several hours after exposure to manifest.

Skin:

Contact with the molten core solder will cause skin burns. Fumes generated during soldering operations may be irritating to the skin.

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Eye:

Contact with the wire form of this product can be physically damaging to the eye. Contact with the molten core solder will cause burn to the eyes. Fumes generated during soldering operations or dust may cause moderate irritation, tearing, and reddening.

Ingestion: Harmful if swallowed.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: No sensitising effects known.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Prolonged or repeated exposure to tin fumes can result in benign pneumoconiosis, which causes inflammation of the lungs, but there is no distinct fibrosis or evidence of disability. It could also affect liver and red blood cells.

Excessive and repeated skin exposure may result in systemic skin effects including pigmentation changes.

Existing Conditions Aggravated by Exposure: Skin, blood and respiratory conditions.

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Aquatic toxicity: No information available

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

Marine pollutant: No

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15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7440-31-5	tin
7440-50-8	Copper

16 . OTHER INFORMATION

Creation Date: 23.06.2014**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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