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SAFETY DATA SHEET - LINQALLOY™ Sn10Pb90

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : LINQALLOY SN10Pb90
SUPPLIER NAME : Caplinq Europe BV

Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation: Solder material.

Uses advised against: No further relevant information available.

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MSDS NUMBER : #29082023
CHEMICAL NAME : LINQALLOY™ Sn10Pb90| High Melting Point Solder Spheres

SECTION 2. HAZARDS IDENTIFICATION

PROPOSED CLASSIFICATION

Non-hazard

HAZARD IDENTIFICATION

Hazard Symbols:



Signal Word: Warning.

Hazard statement

Harmful if ingested
Harmful to aquatic life

Precautionary statement

Wear protective gloves/protective clothing/eye protection/face protection.
Wash with plenty of soap and water.

MOST IMPORTANT HAZARDS

Inhalation: May cause respiratory irritation, dizziness, fatigue, nausea, and headache.
Skin Contact: May cause skin inflammation.



Eye Contact: May be hazardous and cause eye irritation, tearing and reddening.

Ingestion: May be hazardous to the digestive system and cause abdominal discomfort, nausea, vomiting and diarrhea.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)
1	Tin	7440-31-5	10
2	Lead	7439-92-1	90

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Immediately flush with plenty of water for at least 15 min.

SKIN CONTACT:

- Wash contaminated skin with non-abrasive soap and running water. Remove contaminated clothing. Get medical attention if skin irritation develops.

INHALATION:

- Move victims to fresh air.
- Administer oxygen if breathing is difficult.
- Get medical attention.

INGESTION:

- Induce vomiting immediately as directed by medical personnel. Get medical attention immediately.

SYMPTOMS AND HAZARDOUSE EFFECT:

- Irritation and excessive exposure to hot steam cause pulmonary edema.

PROTECTION FOR FIRST AID PERSONNEL:

- Wear gas masks, oxygen cylinders and protective clothing.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Use an extinguisher appropriate for the surrounding fire conditions. Do not add water to molten metal.
- Firefighters must wear NIOSH approved self-contained breathing apparatus and full protective clothing.
- Flammable Limits: Limits not established. Massive metal is not flammable however dust or powder may be flammable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid inhaling soldering exhaust gas or dust.

Environmental Precautions

Don't spread over the area.

Clean-up Methods

Pump the air or water spray.



SECTION 7. HANDLING AND STORAGE

HANDLING

- Only dry metals should be added to molten bath. If working with molten metals, or exposed to fumes or dust, use appropriate personal protective equipment.

STORAGE

- Store in a cool, well-ventilated area away from incompatible substances. Store in a tightly sealed container.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROL:

Provide adequate mechanical exhaust.

ALLOWABLE CONCENTRATION (Sn)

- TWA: 2.0 mg/m³
- STEL: 4.0 mg/m³

ALLOWABLE CONCENTRATION (Pb)

- TWA: 0.05 mg/m³
- STEL: 0.15 mg/m³

PERSONAL PROTECTION:

- **Respiratory Protection:** Wear a HIOSH approved respirator to avoid over exposure.
- **Eye Protection:** Wear safety glasses with side shields. For melting, wear goggles and face shields. Don't wear contact lenses.
- **Skin/Body Protection:** Safety goggles, coveralls & gloves are recommended.
- **Ambulance Staff Protection:** Wear gas masks, oxygen cylinders, and protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Silver-white metal

ODOR: Odorless

ODOR THRESHOLD: Not Applicable

PH: Not Applicable

MELTING POINT/FREEZING POINT: 138°C / Not applicable

INITIAL BOILING POINT/BOILING RANGES: Not applicable

FLASH POINT: Not Applicable

EVAPORATION RATE: Not applicable

FLAMMABILITY (SOLID, GAS): Not applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: Not applicable

VAPOUR PRESSURE (mm of Hg at 25°C): Not applicable

SOLUBILITY: Not soluble in water

VAPOUR DENSITY: Not applicable

DENSITY: 8.31 g/cm³

AUTOIGNITION TEMPERATURE: Not applicable

EXPLOSIVE/OXIDIZING PROPERTIES: Not to be expected.

VOLATILE MATTER: Not applicable

SECTION 10. STABILITY & REACTIVITY

STABILITY: Stable under room temperature and pressure

CONDITIONS TO AVOID: Not established.



MATERIALS TO AVOID: Avoid contact with oxidizing and mineral acids.

DECOMPOSITIONS PRODUCTS: Not Applicable

HAZARDOUS POLYMERIZATION: Not Applicable

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

No information found.

CARCINOGENICITY:

No information found.

REPRODUCTIVE EFFECT:

No information found.

CHRONIC EFFECTS:

No information found.

TARGET ORGANS:

No information found.

SECTION 12. ECOLOGICAL INFORMATION

MOBILITY: No information found.

BIOACCUMULATION: No information found.

BIODEGRADABILITY: No information found.

AQUATIC TOXICITY: No information found.

ENVIRONMENTAL TOXICITY: No information found.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste needs to be carried out at the city, state, or federally permitted disposal facility. Handle in accordance with applicable regulations and/or local authorities.

SECTION 14. TRANSPORT INFORMATION

UN. No.: Not Applicable

The United Nations shipping name: Not Applicable

Transportation hazard classification: Not Applicable

Packing: Not Applicable

Marine Pollutant: Not Applicable

Special Shipping and Notes: Not Applicable

SECTION 15. REGULATORY INFORMATION

All components of this product are listed on the TSCA Inventory of Existing Chemical Substances.



SECTION 16. OTHER INFORMATION

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SDS Revision Date: 29 August 2023