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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name LINQALLOY™ SAC305-PF
Applications: Solder for electrical or electronic application. Industrial use only.
Advised Against No further relevant information available
Supplier Name Caplinq Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

PROPOSED CLASSIFICATION: Not Hazardous**HAZARD PICTOGRAMS:** None**HAZARD STATEMENTS:** None**PRECAUTIONARY STATEMENTS:****Prevention****P262** Avoid breathing fumes during soldering.**P270** Do not eat, drink or smoke when using this product.**P280** Wear protective gloves/eye protection/ face protection.**Response****P302 + P352** IF ON SKIN during soldering: Wash with plenty of soap and water**P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.**P305 + P351** IF IN EYES during soldering: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Storage****P402 + P403** Store in a well-ventilated, dry place.**Disposal****P501** Dispose of contents and container in accordance with local regulations.**Other hazard information**

SILVER: Chronic skin contact or ingestion of silver powder, salts or fume can result in a condition known as Argyria, a condition with bluish pigmentation of the skin and eyes.

Hot solder can burn eyes and skin. Fumes during soldering are irritating to eyes and may cause headache and respiratory system irritation or damage.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Percentage composition [wt %]	OSHA PEL mg/m ³	TLV - STEL mg/m ³
1	Tin	7440-31-5	90 – 98	2.0	2.0
2	Silver	7440-22-4	2.5 – 3.3	0.01	0.1
3	Copper	7440-50-8	0.3 – 0.6	0.1	0.2
4	Modified Rosin	65997-06-0	< 6	NE	NE
5	Proprietary activator	—	< 1	NE	NE
Total			100		

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Promptly flush with a large amount of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.

SKIN CONTACT:

- Remove contaminated clothing/laundry before reuse. Promptly wash skin with soap and water. Rinse thoroughly. If irritation persists, consult a physician.

INHALATION:

- Remove to fresh air. Restore breathing if necessary. If irritation persists, consult a physician.

INGESTION:

- Seek immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

FLAMMABILITY OF THE PRODUCT

- May be combustible at high temperature due to flux content.

SPECIFIC CHEMICAL HAZARD

- Carbon dioxide, carbon monoxide, metal oxides.

EXTINGUISHING MEDIA

- Carbon Dioxide, dry chemical (Note : Do not use water on molten alloy.).
- Use only approved breathing apparatus, gloves and fire fighting gear.

PRECAUTIONARY ACTIONS

- Do not use water jet. Do not breathe fumes.
- Do not attempt to fight the fire without suitable protective equipment.
- Do not dispose of fire-fighting water in the environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

- Avoid breathing vapors, mist or gas. See Section 8 for personal precautions.

ENVIRONMENTAL PRECAUTIONS

- Keep away from drain, surface and groundwater.

CONTAINMENT ACTION

- Place into a properly labeled waste container and sent for disposal according to federal, state and local regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING

- This product is for industrial use only. Wash hands after use.
- Do not take it internally. Avoid contact with eyes, skin and clothing.
- Avoid inhalation of soldering fumes during process.
- Keep out of reach of children. Observe good industrial practices.

STORAGE

- Store in a well-ventilated, dry area in ambient temperature.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

No.	Components	CAS Reg. No.	OSHA PEL mg/m ³	TLV - STEL mg/m ³
1	Tin	7440-31-5	2.0	2.0
2	Silver	7440-22-4	0.01	0.1
3	Copper	7440-50-8	0.1	0.2
4	Modified Rosin	65997-06-0	NE	NE
5	Proprietary activator	—	NE	NE
Total				

ENGINEERING CONTROLS:

Use general or local ventilation to keep exposure level below exposure limit.

PERSONAL PROTECTION:

- **Respiratory Protection:** Wear approved respirator/mask during process.
- **Eye Protection:** Wear approved safety glasses or goggles with unperforated sideshields. Wear equipment appropriate for soldering operation.
- **Skin Protection:** Wear chemically impervious gloves. Wear equipment appropriate for soldering.
- **Hygienic Work Practices:** Wash hands thoroughly prior to eating, drinking. Do not smoke while soldering.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State at 20 °C:	Solid
Auto-ignition Temperature	Brazing flames can ignite combustibles. Finely divided dust may form explosive mixtures with air.
Solubility in water (% by weight)	0
Appearance and Odor	Silver-grey metal, reinforced with metal wire.
Melting Point, °C:	217 – 219
Percent Volatile (by volume), %	0
Specific Gravity (g/cm³):	~ 7.4

SECTION 10. STABILITY & REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid: Moisture, excessive heat during storage

Incompatible Substances: Strong acid and alkalis, oxidizing agents.

Decomposition Products: Carbon Dioxide, Carbon Monoxide, Metal Oxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Data not available

Skin Corrosion / Irritation: May cause irritation of the skin

Serious Eye Damage / Irritation: Chemical fumes during process may cause irritation to the eyes

Respiratory or Skin Sensitization: Inhalation of chemical fumes during process may cause irritation to respiratory tract and may lead to central nervous system effects (drowsiness, dizziness, headaches, nausea, vomiting, joint and muscle pain)

Germ Cell Mutagenicity: Data Not Available

Carcinogenicity: Not listed

Reproductive Toxicity: Data Not Available

STOT-Single Exposure: Data Not Available

STOT-Repeated Exposure: Data Not Available

Aspiration Hazards: May be harmful if swallowed. May cause vomiting, nausea, diarrhea

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No Information is available

Persistence and degradability: No Information is available

Bioaccumulation potential: No Information is available

Mobility in soil: No Information is available

Other adverse effects: No information is available; Keep out of ground water, water course or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Waste / Solder can be reclaimed.

Disposal of waste residues and emptied container in accordance with all Federal, State and Local Regulations. Waste residues and emptied containers shall not be disposed of untreated to the sewer unless fully compliant with local legal requirement.

SECTION 14. TRANSPORT INFORMATION

DOT Classification: Not Regulated

ADR/RID Classification: Not Regulated

TDG Classification: Not Regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized safety officer. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15. REGULATORY INFORMATION

Material is hazardous as defined by Specification for Hazardous communication for hazardous chemicals and dangerous goods (Singapore Standard) SS 586 Part 2:2014, (Malaysia Standard) Industry Code of Practice on Chemical Classification and Hazard Communication 2013 and (China Standard) GB 13690-2009 - Globally harmonised system of classification and labelling of chemicals.

SECTION 16. OTHER INFORMATION

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither CAPLINQ Corporation, nor CAPLINQ Europe BV accept any liability arising out of the use of the information provided here or the use, application or processing of the product described herein.

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COMMON ABBREVIATIONS AND ACRONYMS:

OSHA: US Occupational Safety and Health Agency;

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PEL: allowed exposure limits

TLV: threshold values

STEL: short-term exposure limit value.

NE: Not Established

NA: Not Applicable