SAFETY DATA SHEET

Section 1 – Product Information

- **Product Name:** AHK-Cu, Copper Tripeptide-3, [L-Alanyl-N-L-histidyl-N,N3-L-lysinato(2-)]copper
- **Product Number:** CAS#: 682809-81-0
- **Identified Uses:** Cosmetics Manufacturing, R&D
- **Company name:** Albochemicals LLC
- **Company website:** https://albochem.com
- **Address:** Albochemicals LLC, 8 The Green STE10911 Dover, DE 19901
- **Email:** onlinestore@albochem.com

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

Section 3 - Composition/Information on Ingredient

Property	Details
Composition	[L-Alanyl-N-L-histidyl-N,N3-L-lysinato(2-)]copper
Formula	C15H24CuN6O4
CAS	682809-81-0
Inactive ingredients	N/A

Section 4 - First aid measures

4.1 Description of first aid measures

General advice: Consult a physician. Move out of the dangerous area.
If inhaled: If breathed in, move the person into fresh air. If not breathing, give artificial

respiration. Consult a physician.
In case of skin contact: Wash off with soap and plenty of water. Consult a physician.
In case of eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 - Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx). Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available.

Section 6 - Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions: Do not let a product enter drains.
Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Conditions for safe storage: Store refrigerated. Keep the container tightly closed in a dry, dark, and well-ventilated place. Protect from moisture and UV light.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS: Safety shower and eye bath.
PERSONAL PROTECTIVE EQUIPMENT:

- **Respiratory:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
- **Hand:** Compatible chemical-resistant gloves.
- **Eye:** Chemical safety goggles.

GENERAL HYGIENE MEASURES: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

Property	Value
Appearance Physical State	Blue to purple powder
Molecular Weight	415.93
pH	N/A
BP/BP	N/A
MP/MP	No data available
Flash point	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A

Section 10 - Stability and Reactivity

STABILITY: Stable under normal conditions. Hygroscopic.
Materials to Avoid: Strong oxidizing agents, chelating agents (e.g., EDTA), direct chemical exfoliants.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide, carbon dioxide, Nitrogen oxides (NOx).
HAZARDOUS POLYMERIZATION: Will not occur.

Section 11 - Toxicological Information

Acute toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available
Germ cell mutagenicity: No data available
Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: No data available
Potential health effects:

- **Inhalation:** Harmful if inhaled. May cause respiratory tract irritation.
- **Ingestion:** Harmful if swallowed.
- **Skin:** Harmful if absorbed through skin. May cause skin irritation.
- **Eyes:** May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Section 15 - Regulatory Information

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity: This material does not contain any components with a section 302 EHS TPQ.
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
US State Regulations:

- **California Prop. 65 Components:** This product does not contain any chemicals known

to the State of California to cause cancer, birth defects, or any other reproductive harm.
- **Massachusetts Right To Know:** No components are subject to the Massachusetts Right to Know Act.
- **Maine Chemicals of High Concern:** Product does not contain any listed chemicals.

TSCA: Product contains substance(s) not listed on TSCA inventory. No substances are subject to a Significant New Use Rule.

Section 16 - Other Information

DISCLAIMER: For cosmetics manufacturing and R&D use only. Not for drug, direct human consumption, household, or other uses. The purchaser is solely responsible for ensuring that any final product manufactured using this raw material complies with all applicable local, state, and federal regulations regarding safety, labeling, and marketing claims.