

SAFETY DATA SHEET

According to GHS / Regulation (EC) No 1272/2008

Decode Peptides
decodepeptides.com

SECTION 1: IDENTIFICATION

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|--------------------|-----------------------------------------------------------------------|
| Product Name: | GHK-Cu (Copper Peptide) 100mg |
| CAS Number: | 49557-75-7 |
| Molecular Formula: | C ₂₇ H ₄₅ N ₇ O ₁₀ Cu |
| Molecular Weight: | 403.91 g/mol |
| Intended Use: | In vitro research only. Not for human or veterinary use. |
| Supplier: | Decode Peptides GesbR decodepeptides.com office@decodepeptides.at |

SECTION 2: HAZARD IDENTIFICATION

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|---------------------|---------------------------------------------------------------------------------------------|
| GHS Classification: | Contains copper. Not classified as GHS hazardous at research quantities. Not for human use. |
| Signal Word: | None (not classified as hazardous) |
| Hazard Statements: | Not applicable under current classification. |

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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|-------------|-------------------------------|
| Substance: | GHK-Cu (Copper Peptide) 100mg |
| CAS: | 49557-75-7 |
| Purity: | ≥99% (HPLC) |
| Appearance: | Blue lyophilized powder |

SECTION 4: FIRST AID MEASURES

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| First Aid: | Skin/Eye: Rinse with water. Ingestion: Seek medical advice. Copper-containing compound. |
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SECTION 5: FIRE-FIGHTING MEASURES

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| Extinguishing Media: | Use media appropriate to surrounding fire (CO ₂ , dry powder, water fog). |
| Special Hazards: | Non-flammable. No special fire hazards known. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| Personal Precautions: | Wear gloves and eye protection. Avoid inhalation of dust. |
| Clean-Up Methods: | Collect spilled material into a sealed container. Dispose per Section 13. |

SECTION 7: HANDLING AND STORAGE

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| Handling: | Gloves and eye protection recommended. Avoid contact with mucous membranes. |
| Storage: | -20 °C (long-term); +4 °C (short-term, up to 4 weeks) |
| Solubility: | Soluble in sterile water (≥10 mg/mL) |

Engineering Controls:

Use in a well-ventilated laboratory. Fume hood recommended for reconstitution.

Hand Protection:

Nitrile or latex gloves.

Eye Protection:

Safety glasses or goggles.

Respiratory:

Not required under normal use. Use dust mask if powder is aerosolized.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|------------------------|--------------------------------------|
| Physical State: | Solid (lyophilized powder) |
| Colour: | Blue |
| Odour: | Odourless |
| Melting Point: | Not determined |
| Flash Point: | Not applicable |
| Solubility: | Soluble in sterile water (≈10 mg/mL) |

SECTION 10: STABILITY AND REACTIVITY

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|-----------------------------|---------------------------------------------------------------|
| Stability: | Stable under recommended storage conditions. |
| Conditions to Avoid: | Heat, moisture, repeated freeze-thaw cycles, direct sunlight. |
| Hazardous Products: | None known. |

SECTION 11: TOXICOLOGICAL INFORMATION

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| Acute Toxicity: | Not fully established. Handle as potentially biologically active. |
| Skin/Eye: | May cause mild irritation on prolonged contact. |
| Note: | For research use only. No clinical toxicity data available. |

SECTION 12: ECOLOGICAL INFORMATION

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| Ecotoxicity: | No data available. Assumed low environmental risk at research quantities. |
| Biodegradability: | Expected to be biodegradable (peptide bonds). |

SECTION 13: DISPOSAL CONSIDERATIONS

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| Waste Disposal: | Do not pour down the drain. Dispose as heavy-metal-containing waste per local regulations. |
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SECTION 14: TRANSPORT INFORMATION

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| Transport Classification: | Not classified as dangerous goods for transport. |
| Packing Group: | Not applicable. |

SECTION 15: REGULATORY INFORMATION

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|-----------------------|-------------------------------------------------------------------------------------------|
| EU Regulation: | This substance is not listed as a hazardous substance under Regulation (EC) No 1272/2008. |
| Research Use: | This product is supplied for research purposes only in accordance with applicable law. |

SECTION 16: OTHER INFORMATION

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|-----------------------|------------------------------------|
| Prepared By: | Decode Peptides Quality Department |
| Date of Issue: | 2026-06-04 |

Emergency Line:

+49 (0) 30 30686 790 (BfR, Germany)

Disclaimer:

This SDS is provided for research and safety purposes. The information is believed to be accurate but does not constitute a warranty. The product is for in vitro research only and is not intended for therapeutic, diagnostic, or human use.

