WERHNER LAB
LABORATORY RESEARCH MATERIALS

SAFETY DATA SHEET

# MOTS-c 10 mg

SDS-WL-MC10 VERSION 2.0 ISSUED 8 OCTOBER 2026 REG. (EC) 1907/2006 ANNEX II · OSHA HCS

**RESEARCH USE ONLY.** Laboratory research material. Not for human or veterinary use. Not a medicine, food supplement or cosmetic.

## 1 Identification of the substance/mixture and of the company

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|---|---|
| **1.1 Product identifier** | **MOTS-c 10 mg** · research peptide, lyophilised |
| **Product code** | MC10 |
| **Product type** | Substance (synthetic peptide) |
| **1.2 Identified uses** | Scientific research and development (laboratory use only) by technically qualified persons. |
| **Uses advised against** | Not for human or veterinary use. Not a medicinal product, food, food supplement, cosmetic or household product. Not for diagnostic or therapeutic use. |
| **1.3 Supplier** | Werhner Lab LTD<br>1701 NW 84th Ave, Doral, FL 33126, United States<br>Tel. +34 684 123 582 · contact@werhnerlab.com · werhnerlab.com |
| **1.4 Emergency telephone** | Spain — Servicio de Información Toxicológica (INTCF): +34 91 562 04 20 (24 h)<br>United States — Poison Help: 1-800-222-1222 (24 h)<br>Elsewhere: contact your national poison centre or emergency services (112 in the EU, 911 in the US). |

## 2 Hazards identification

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| **2.1 Classification** | Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP) and the US OSHA Hazard Communication Standard (29 CFR 1910.1200), based on available data. No harmonised classification exists (CLP Annex VI). |
| **2.2 Label elements** | Hazard pictogram: none · Signal word: none · Hazard statements: none. |
| **Precautionary statements** | P261 Avoid breathing dust. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves and eye protection. P270 Do not eat, drink or smoke when using this product. |
| **2.3 Other hazards** | Pharmacologically active peptide. Toxicological properties have not been fully investigated; handle as a substance of unknown toxicity. Does not meet PBT/vPvB criteria based on available information. |

## 3 Composition / information on ingredients

| COMPONENT | CAS NO. | FORMULA | MW (G/MOL) | PER VIAL | CLASSIFICATION |
|---|---|---|---|---|---|
| MOTS-c | 1627580-64-6 | C101H152N28O22S2 | 2174.6 | 10 mg | Not classified |

Purity of each peptide ≥ 97.5 % (HPLC). Balance: water and counter-ion salts from synthesis (e.g. acetate). No hazardous impurities at reportable concentrations. Lot-specific values are reported on the batch Certificate of Analysis.

## 4 First-aid measures

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| **Inhalation** | Move the person to fresh air and keep at rest. Seek medical advice if symptoms occur. |
| **Skin contact** | Remove contaminated clothing. Wash skin with soap and plenty of water. Seek medical advice if irritation develops. |
| **Eye contact** | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation persists. |
| **Ingestion or injection** | Rinse mouth with water. Do not induce vomiting. Accidental injection: seek medical attention immediately and show this sheet. Never give anything by mouth to an unconscious person. |

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| **Symptoms and effects** | No specific data. Pharmacological effects of the active peptide cannot be excluded after significant exposure. |
| **Notes to physician** | Treat symptomatically. Contact a poison information centre (Section 1.4). |

## 5 Fire-fighting measures

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| **Extinguishing media** | Water spray, dry chemical, carbon dioxide or alcohol-resistant foam. |
| **Special hazards** | Thermal decomposition may release carbon oxides and nitrogen oxides, sulphur oxides. |
| **Advice for firefighters** | Wear self-contained breathing apparatus and full protective clothing. |

## 6 Accidental release measures

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| **Personal precautions** | Wear the protective equipment in Section 8. Avoid dust formation and inhalation. Ensure adequate ventilation. |
| **Environmental precautions** | Do not allow to enter drains, surface water or soil. |
| **Clean-up** | Collect without raising dust (damp wipe or HEPA vacuum). Place in a closed, labelled container for disposal. Clean the area with water and detergent. |

## 7 Handling and storage

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| **Safe handling** | Handle in a well-ventilated area or under a fume hood following Good Laboratory Practice. Avoid contact with eyes and skin. Wash hands after handling. |
| **Storage** | Keep the vial tightly closed. Lyophilised powder: store at −20 °C, protected from light and moisture. Reconstituted solution: store at 2–8 °C and avoid repeated freeze–thaw cycles. |
| **Specific end use** | Laboratory research only. |

## 8 Exposure controls / personal protection

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| **Occupational exposure limits** | None established. |
| **Engineering controls** | General ventilation; fume hood or ventilated enclosure when handling powder. Eyewash station available. |
| **Eye / face protection** | Safety glasses with side shields or goggles (EN 166). |
| **Hand protection** | Nitrile gloves (EN ISO 374). |
| **Body protection** | Laboratory coat. |
| **Respiratory protection** | Not normally required. If dust may be generated outside a fume hood, use an FFP2 (EN 149) or N95 respirator. |

## 9 Physical and chemical properties

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| **Physical state / appearance** | White to off-white lyophilised powder or cake. |
| **Odour** | Odourless or faint. |
| **pH** | Not applicable (solid). |
| **Melting point** | Not determined (decomposes on heating). |
| **Flammability** | Not flammable under normal conditions. |
| **Solubility** | Soluble in water and bacteriostatic water. |
| **Other data** | Molecular formula and weight: see Section 3. |

## 10 Stability and reactivity

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| **Reactivity / stability** | Stable under the recommended storage conditions. Reconstituted solutions are less stable; keep cold and use promptly. |
| **Conditions to avoid** | Heat, moisture, direct light, repeated freeze–thaw cycles. |
| **Incompatible materials** | Strong oxidising agents, strong acids and bases. |
| **Hazardous decomposition** | See Section 5. |

## 11 Toxicological information

No data are available for acute toxicity, skin corrosion/irritation, eye damage/irritation, sensitisation, germ cell mutagenicity, carcinogenicity, reproductive toxicity or specific target organ toxicity of this product. Not listed as a carcinogen by IARC, NTP or OSHA. The product contains a pharmacologically active peptide; its effects in humans outside controlled studies are not established. Handle as a substance of unknown toxicity.

## 12 Ecological information

No ecotoxicity, persistence, bioaccumulation or mobility data are available. Peptides are expected to be biodegradable. Not assessed for PBT/vPvB. Avoid release to the environment.

## 13 Disposal considerations

Dispose of the product and contaminated packaging in accordance with local, national and EU regulations, preferably through a licensed waste contractor as laboratory chemical waste. Do not discharge into drains.

## 14 Transport information

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| **UN number / proper shipping name** | Not applicable. |
| **ADR/RID · IMDG · IATA** | Not regulated as dangerous goods. |
| **Environmental hazards** | None. |
| **Special precautions** | Protect from heat. Ship with cold packs where possible to preserve product quality. |

## 15 Regulatory information

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| **EU** | Regulation (EC) No 1907/2006 (REACH): supplied for scientific research and development (Art. 3(23)) in quantities below 1 tonne per year; not subject to registration. Not listed on the REACH Candidate List (SVHC) or Annex XIV/XVII. Regulation (EC) No 1272/2008 (CLP): not classified. |
| **United States** | For research and development use only, under the supervision of a technically qualified individual. Not classified as hazardous under OSHA 29 CFR 1910.1200. |
| **Product status** | Research Use Only (RUO). Not approved as a medicine, food or cosmetic in any jurisdiction. |
| **Chemical safety assessment** | Not carried out. |

## 16 Other information

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| **Revision** | Version 2.0 · issued 8 October 2026 · supersedes version 1.0 (27 August 2026). Complete revision of all sections. |
| **Abbreviations** | CAS: Chemical Abstracts Service · CLP: Classification, Labelling and Packaging · CoA: Certificate of Analysis · HPLC: high-performance liquid chromatography · PBT/vPvB: persistent, bioaccumulative and toxic / very persistent and very bioaccumulative · RUO: Research Use Only · SVHC: substance of very high concern. |
| **Relevant H-statements (Section 3)** | None. |
| **Disclaimer** | The information in this Safety Data Sheet is based on our present knowledge and is given in good faith. It describes the product with regard to safety requirements and is not a specification or a guarantee of properties. Lot-specific analytical data are given on the batch Certificate of Analysis. The user is responsible for safe handling, use and disposal in compliance with all applicable laws. |