

# Selank

Lyophilized research peptide | Document ID: FR-SDS-SELANK-001

## 01 IDENTIFICATION

|                     |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| PRODUCT IDENTIFIER  | Selank                                                                            |
| OTHER IDENTIFIERS   | TKPRPGP                                                                           |
| CAS NO.             | 129954-34-3                                                                       |
| RECOMMENDED USE     | Laboratory chemicals / research use only                                          |
| RESTRICTIONS ON USE | Not for human or veterinary diagnostic, therapeutic, prophylactic or dietary use. |
| RESPONSIBLE PARTY   | Fraction Research - [INSERT LEGAL ENTITY NAME]                                    |
| U.S. ADDRESS        | [INSERT U.S. STREET ADDRESS, CITY, STATE, ZIP]                                    |
| TELEPHONE           | [INSERT BUSINESS TELEPHONE]                                                       |
| EMERGENCY TELEPHONE | [INSERT 24-HOUR EMERGENCY NUMBER / CHEMTREC ACCOUNT IF APPLICABLE]                |

## 02 HAZARD(S) IDENTIFICATION

|                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REFERENCE CLASSIFICATION                                                                                                                                                                                                                                                                                                                                                                                         | No compound-specific GHS hazard classification is assigned in this reference SDS because the exact manufacturer/importer hazard determination and formulation have not been supplied. Toxicological data are limited. Handle as a potentially hazardous laboratory chemical and reconcile Section 2 to the qualified supplier SDS before distribution. |
| <ul style="list-style-type: none"><li>Substance-specific occupational toxicology is limited. Avoid ingestion, inhalation of dust, and contact with skin or eyes.</li><li>Use adequate ventilation and standard laboratory personal protective equipment.</li><li>No pictogram or signal word is assigned in this reference document pending reconciliation to the qualified supplier/manufacturer SDS.</li></ul> |                                                                                                                                                                                                                                                                                                                                                        |

## 03 COMPOSITION / INFORMATION ON INGREDIENTS

|                   |                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------|
| SUBSTANCE         | Selank                                                                                              |
| CAS NO.           | 129954-34-3                                                                                         |
| MOLECULAR FORMULA | C33H57N11O9                                                                                         |
| MOLECULAR WEIGHT  | 751.9 g/mol                                                                                         |
| CONCENTRATION     | [INSERT ACTUAL COMPOSITION / PURITY RANGE FROM SUPPLIER SPECIFICATION]                              |
| EXCIPIENTS        | [INSERT ALL EXCIPIENTS / BULKING AGENTS IF PRESENT; DO NOT PUBLISH AS PURE SUBSTANCE IF FORMULATED] |

04 FIRST-AID MEASURES

- Inhalation: Move person to fresh air and keep comfortable for breathing. Obtain medical advice if symptoms develop or persist.
- Skin contact: Wash with plenty of water and soap. Remove contaminated clothing. Obtain medical advice for persistent irritation.
- Eye contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing; obtain medical attention if irritation persists.
- Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Obtain medical advice if a meaningful exposure is suspected.
- Most important symptoms/effects: Substance-specific human toxicology data are limited; treat irritation, respiratory discomfort, gastrointestinal symptoms or unexpected effects conservatively.

05 FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Use extinguishing media appropriate for the surrounding fire; carbon dioxide, dry chemical, foam or water may be used as conditions warrant.
- Specific hazards: Thermal decomposition may generate irritating or hazardous fumes. Avoid inhalation of combustion products.
- Firefighter protection: Use appropriate protective equipment and self-contained breathing apparatus when conditions require.

06 ACCIDENTAL RELEASE MEASURES

- Avoid dust formation and inhalation. Use appropriate PPE and provide adequate ventilation.
- Prevent material from entering drains or waterways.
- Carefully collect dry material mechanically without generating dust and place in a suitable closed waste container. Clean the affected surface using appropriate laboratory procedures.

07 HANDLING AND STORAGE

- Handle using good laboratory chemical hygiene. Avoid contact with skin, eyes and clothing; avoid generating or inhaling dust.
- Keep container tightly closed, protected from moisture and unnecessary light/heat exposure.
- Store according to the qualified supplier/manufacturer specification. Minimize repeated temperature cycling of lyophilized material.
- For research use only; no clinical or veterinary use is advised or authorized by this document.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

|                              |                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OCCUPATIONAL EXPOSURE LIMITS | No compound-specific OSHA PEL or validated occupational exposure limit is established in this reference document.                                                    |
| ENGINEERING CONTROLS         | Use adequate local ventilation; a chemical fume hood is appropriate when dust or aerosol generation is possible.                                                     |
| EYE PROTECTION               | Safety glasses or chemical splash goggles appropriate to the task.                                                                                                   |
| HAND PROTECTION              | Chemical-resistant disposable gloves selected for the task and compatible with other materials in use.                                                               |
| SKIN / BODY                  | Laboratory coat or other protective clothing appropriate to exposure potential.                                                                                      |
| RESPIRATORY                  | Avoid dust/aerosol generation. If adequate ventilation cannot be maintained, use respiratory protection selected under an applicable respiratory-protection program. |

09 PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                                                                                           |
|-----------------------------------|-------------------------------------------------------------------------------------------|
| PHYSICAL STATE                    | Lyophilized research peptide                                                              |
| COLOR                             | White to off-white commonly reported for peptide research materials; verify actual lot    |
| ODOR                              | No reliable product-specific value established                                            |
| MOLECULAR FORMULA                 | C33H57N11O9                                                                               |
| MOLECULAR WEIGHT                  | 751.9 g/mol                                                                               |
| MELTING / FREEZING POINT          | No reliable product-specific value established in this reference document                 |
| WATER SOLUBILITY                  | Not standardized here; verify the actual material and supplier specification              |
| PH / FLASH POINT / VAPOR PRESSURE | No applicable or reliable product-specific data established for the dry research material |

10 STABILITY AND REACTIVITY

- Reactivity: No hazardous polymerization or unusual reactivity is established in this reference document.
- Chemical stability: Expected to be stable when stored and handled according to the qualified supplier specification.
- Conditions to avoid: Excessive heat, moisture/light exposure where relevant, contamination, and conditions that promote decomposition.
- Incompatible materials: Strong oxidizing agents and other reactive chemicals should be segregated unless compatibility has been established.
- Hazardous decomposition: Fire or severe thermal decomposition may generate irritating or hazardous fumes.

11 TOXICOLOGICAL INFORMATION

- Likely routes of occupational exposure include inhalation of dust/aerosol, ingestion, and skin or eye contact.
- Substance-specific acute, chronic, reproductive, sensitization, mutagenicity and carcinogenicity data are limited or not established in this reference document.
- Absence of a specific GHS classification in this reference document does not establish that the material is non-hazardous.
- No numerical acute-toxicity estimate is assigned here unless provided by the exact manufacturer/importer SDS.
- No basis is established in this reference document for listing the material as an OSHA, IARC or NTP carcinogen; this does not establish long-term safety.

## 12 ECOLOGICAL INFORMATION

- No reliable product-specific ecotoxicity, persistence, degradability, bioaccumulation or soil-mobility data are established in this reference document.
- Avoid uncontrolled release to drains, surface water or the environment.

## 13 DISPOSAL CONSIDERATIONS

- Dispose of product, contaminated absorbents and contaminated inner packaging through an appropriate chemical-waste stream in accordance with federal, state and local requirements.
- Do not dispose to drains. Empty outer packaging may be recycled only if uncontaminated and permitted locally.

## 14 TRANSPORT INFORMATION

|                     |                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT                 | Transport classification not assigned in this reference document; verify the exact manufacturer/importer SDS and packaged-product classification. |
| IMDG                | Transport classification not assigned in this reference document; verify the exact manufacturer/importer SDS.                                     |
| IATA                | Transport classification not assigned in this reference document; verify the exact manufacturer/importer SDS.                                     |
| SPECIAL PRECAUTIONS | Protect from moisture/physical damage as applicable and verify carrier requirements for the final packaged product.                               |

## 15 REGULATORY INFORMATION

- This document follows the 16-section heading sequence described by OSHA Hazard Communication Standard 29 CFR 1910.1200 and Appendix D.
- Selank is described here solely as a research-use material. This SDS does not authorize human or veterinary use.
- Regulatory status can depend on exact chemical identity, formulation, intended use, claims, distribution and jurisdiction; obtain appropriate compliance review before public distribution.
- The exact manufacturer/importer hazard classification and supplier SDS supersede this reference document where differences exist.

## 16 OTHER INFORMATION

|                      |                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PREPARATION DATE     | August 18, 2026                                                                                                                                                                                                                                                                                                                                                                             |
| REVISION             | Reference 001                                                                                                                                                                                                                                                                                                                                                                               |
| PRIMARY DATA BASIS   | PubChem CID 11765600 (Selank), including sequence, formula and molecular weight. OSHA 29 CFR 1910.1200 Appendix D used for section structure.                                                                                                                                                                                                                                               |
| IMPORTANT LIMITATION | This SDS is a standardized reference document for development and document-layout use. Before public distribution, reconcile exact chemical form, formulation/excipients, hazard classification, responsible-party contact details, emergency telephone number, storage conditions, transport status and lot/manufacturer specifications to the actual qualified supplier/manufacturer SDS. |

*All chemicals may present unknown hazards. The user is responsible for establishing handling procedures appropriate to the actual material, concentration, formulation, scale and workplace conditions.*