# SAFETY DATA SHEET (SDS / MSDS)

*16-Section GHS / CLP Compliant*

## Company Information

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|---|---|
| **Manufacturer** | Silk Foods Ceylon (Pvt) Ltd |
| **Exporter** | E-Silk Route Ventures (Pvt) Ltd |
| **Address** | Silk Ag Tech Park, Hapugasyaya, Nalanda, Matale, Sri Lanka |
| **Contact** | +94 743 693 048 |
| **Email** | info@esilkroute.com.lk |
| **Website** | https://esilkroute.com.lk |

## Document Information

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| **Document No.** | SFC/MSDS/HC-SARC/2026/01 |
| **Product** | Sarsaparilla Capsules |
| **Date of Issue** | 30 April 2025 |
| **Revision** | 2026 V1.1 |
| **Revision Date** | 30 April 2025 |

## Section 1 — Product & Company Identification

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|---|---|
| **Product Name** | Sarsaparilla Capsules (*Smilax aspera L.*) |
| **Recommended Use** | Dietary supplement — encapsulated herbal extract or whole-herb powder. Not a medicinal product. Refer to label for serving size and contraindications. |
| **Manufacturer / Repacker** | Silk Foods Ceylon (Pvt) Ltd, Silk Ag Tech Park, Hapugasyaya, Nalanda, Matale, Sri Lanka |
| **Exporter** | E-Silk Route Ventures (Pvt) Ltd |
| **Contact** | +94 743 693 048 |

## Section 2 — Hazard Identification (GHS)

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| **GHS Classification** | Not classified as hazardous under GHS / CLP. |
| **Acute Health Effects** | Not classified as hazardous at recommended serving size. |
| **Chronic Health Effects** | Refer to product-specific contraindications. |
| **Environmental Hazards** | Not classified as environmentally hazardous. Readily biodegradable natural plant material. |

## Section 3 — Composition / Information on Ingredients

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|---|---|
| **Ingredients** | 100 % Sarsaparilla Capsules (*Smilax aspera L.*) |
| **CAS Number** | Various / Natural product |
| **Hazardous Components** | None identified. All components are food-grade natural plant material. |

## Section 4 — First-Aid Measures

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| **Eye Contact** | Rinse thoroughly with clean water for 15 minutes. Seek medical attention if irritation persists. |
| **Skin Contact** | Wash with soap and water. Cosmetic staining (if any) will fade naturally. |
| **Inhalation** | Move person to fresh air. If breathing difficulty persists, seek medical attention. |
| **Ingestion** | Food product — no first aid required for normal culinary use. For excessive consumption, drink water and seek medical advice if symptoms occur. |

## Section 5 — Firefighting Measures

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| **Flammability** | Combustible solid (powder). Not classified as flammable under GHS. Dust clouds may form explosive atmospheres in enclosed spaces. |
| **Flash Point** | Not applicable (solid) |
| **Firefighting Media** | Dry chemical, $CO_2$, water spray, or foam. Avoid high-pressure water jets which may disperse dust. |
| **Products of Combustion** | Carbon monoxide, carbon dioxide, water vapour, organic combustion products. |

## Section 6 — Accidental Release / Spill Procedures

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| **Small Spill** | Sweep up carefully avoiding dust generation. Place in labelled container for reuse or disposal. |
| **Large Spill** | Contain spill. Use vacuum cleaner with HEPA filter or wet cleaning to avoid dust dispersal. Dispose per local regulations. |

## Section 7 — Handling & Storage

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| **Handling** | Handle with clean, dry equipment. Avoid contact with eyes. Use in well-ventilated areas for fine-powder operations. |
| **Storage** | Store in cool, dry place below 25 °C, RH below 65 %, away from direct sunlight and strong odours. |
| **Precautions** | Keep container tightly sealed. Avoid generating airborne dust. Wash hands after handling. |

## Section 8 — Exposure Controls / PPE

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| **Engineering Controls** | General mechanical ventilation adequate for normal use. Local exhaust ventilation (dust extraction) recommended at filling and sieving operations. |
| **PPE Required** | Dust mask (FFP2/N95) for fine-powder handling. Safety goggles. Food-grade nitrile gloves. Hairnet and lab coat. |
| **Exposure Limits** | No specific OEL established. Apply general nuisance dust limit (10 $mg/m^3$ inhalable, 4 $mg/m^3$ respirable). |
| **Ventilation** | General mechanical ventilation. Local exhaust at dust-generating operations. |

## Section 9 — Physical & Chemical Properties

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| **Physical State** | Solid (fine powder) |
| **Colour** | Pale brown powder in capsule |
| **Odour** | Earthy, characteristic |
| **Taste** | Mildly sweet, earthy |
| **pH** | 5.5 – 6.5 (10% w/w aqueous suspension) |
| **Moisture** | ≤ product spec (see SPEC) |
| **Solubility** | Insoluble in water; partial solubility in fats, oils, ethanol. |
| **Water Reactive** | No |

## Section 10 — Stability & Reactivity

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| **Stability** | Stable under recommended storage conditions. |
| **Incompatibility** | Strong oxidising agents, strong acids, strong bases. |
| **Decomposition By-products** | None under normal storage conditions. Combustion produces CO and $CO_2$. |
| **Conditions to Avoid** | Excessive heat (>30 °C), high humidity (>65 % RH), direct sunlight, prolonged UV exposure. |

## Section 11 — Toxicological Information

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| **Acute Toxicity** | Not classified as acutely toxic. Generally Recognised As Safe (GRAS) by US FDA for culinary use. |
| **Special Precautions** | Consult a qualified healthcare provider before use during pregnancy, lactation, or with prescription medication. Not intended to diagnose, treat, cure or prevent any disease. |

## Section 12 — Ecological Information

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| **Overview** | Not expected to be environmentally hazardous at quantities typically handled. Natural plant origin. |
| **Biodegradation** | Readily biodegradable. Complete biodegradation expected within 28 days under aerobic conditions. |

## Section 13 — Disposal Considerations

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| **Waste Disposal** | Dispose of in accordance with local environmental regulations. Material is suitable for composting if uncontaminated. Empty containers may be recycled. |

## Section 14 — Transport Information

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| **DOT (US)** | Not regulated as dangerous goods |
| **IATA (Air)** | Not regulated as dangerous goods |
| **IMDG (Sea)** | Not regulated as dangerous goods |
| **UN Number** | Not assigned |

## Section 15 — Regulatory Information

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| **Sri Lanka** | Sri Lanka Food Act No. 26 of 1980 + Regulations 2026 |
| **EU Heavy Metals** | EU Regulation (EC) 1881/2006 + EU 2023/915 (heavy-metal contaminants) |
| **EU Microbiological** | EU Regulation (EC) 2073/2005 (microbiological criteria) |
| **EU Pesticide MRL** | EU Regulation (EC) 396/2005 (pesticide MRLs) |
| **EU Labelling** | EU Regulation 1169/2011 (Food Information to Consumers) |
| **Codex Alimentarius** | Applicable Codex Alimentarius standards |
| **HS Code** | 2106.90 |

## Section 16 — Additional Information

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|---|---|
| **Prepared By** | Manager Quality Assurance / R&D, Silk Foods Ceylon (Pvt) Ltd |
| **Disclaimer** | Information provided in this SDS is drawn from recognised scientific sources, internal quality records, and is provided in good faith. Silk Foods Ceylon (Pvt) Ltd and E-Silk Route Ventures (Pvt) Ltd make no representation as to the suitability of this information for any particular application. Users must satisfy themselves as to suitability and completeness for their specific use. |

## Authorization

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| **Report Prepared By** | Manager Quality Assurance / R&D |
| **Report Approved By** | Factory Manager |
| **Date of Issue** | 30 April 2025 |
| **Revision** | 2026 V1.1 |
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