Safety Data Sheet
Silk Amino Acids PF

Complies with 29 CFR 1910.1200

Section 1: Company and Product Identification

**Product Name:** Silk Amino Acids PF

**INCI Name:** Silk Amino Acids

**Material Uses:** Active ingredient in cosmetic and personal care applications.

**Restrictions on Use:** Repackaged for cosmetic use only

**Company:** Lotioncrafter LLC
48 Hope Ln
Eastsound, WA 98245
PH: 1-360-376-8008

**Emergency Response:** In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands CALL +1 800-424-9300
In case of difficulties or for ships at sea CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America CALL +1 703-527-3887

Section 2: Hazards Identification

**Hazard Pictograms:** BLANK BLANK BLANK BLANK

**Signal Word:** Not Applicable

**Hazard Classification:** This substance does not meet the criteria for a dangerous or hazardous

**Hazard Category:** Non-classified

**Hazard Statements:** Not Applicable

**Precautionary Statements:** Not Applicable

**Other Hazards:** None

Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>Hazard Category</th>
<th>CAS#</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>Not classified</td>
<td>7732-18-5</td>
<td>80.0 - 86.0%</td>
</tr>
<tr>
<td>Silk Amino Acids</td>
<td>Not classified</td>
<td>306-235-8</td>
<td>14.0 - 20.0%</td>
</tr>
</tbody>
</table>

**Additional Information:** For full text of H-statements and R-phrases: see SECTION 16

Date of issue/Date of Revision: 6/29/2017
Section 4: First Aid Measures

**Notable Exposure symptoms:** Non-toxic by oral ingestion (based on nature of material). No other adverse clinical effects are known to be associated with exposure to this material

- **If ingested:** Drink water, seek medical attention
- **If inhaled:** Not applicable, avoid breathing liquid or aerosols of material.
- **Eye contact:** Flush with water; seek medical advice if discomfort persists
- **Skin contact:** Wash material off the skin with soap and water

Section 5: Fire Fighting Measures

**General Info:** Direct water spray may spread fire. Isolate any uncompromised product from area if possible. Do not breath fumes.

**Extinguishing Method / Equipment:** Carbon dioxide (CO2), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

**Hazardous Decomposition Info:** None known

Section 6: Accidental Release Measures

**Personal precautions, protective equipment and procedures:** Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.

**Environmental Precautions:** Non-hazardous, but avoid direct releases to the environment.

**Containment Equipment and Procedures:** Non-hazardous, but avoid direct releases to the environment.

**Cleanup Procedures:** Pick up with absorbent material and collect for disposal. Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

Section 7: Handling and Storage

**Safe Handling Precautions:** Keep working place well ventilated; no special precautions are needed under normal use conditions

**Recommendations for Storage:** Avoid temperatures above 40°C (104°F). Optimum storage temperature is 24°C (75°F) or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.

**Specific End Use(s):** Active ingredient in cosmetic and personal care applications.
Section 8: Exposure Control / Personal Protection

Control Parameters: No additional information available

General / Engineering
    Controls: General mechanical ventilation is acceptable

Eye/face protection: Chemical goggles with side splash protection recommended. An eye wash facility should be available in the work area.

Hand Protection: Protective gloves

Body Protection: None required under normal conditions of use

Respiratory Protection: None required under normal conditions of use

Thermal Hazards: None required under normal conditions of use

Other: Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

Environmental Exposure
    Controls: Non-hazardous but avoid direct releases to the environment.

Section 9: Physical and Chemical Properties

Physical State: Liquid
    Appearance: Clear
    Color: Amber
    Odor: Characteristic, faint
    Odor Threshold: No data available
    pH: 3.5 - 5.5
    Melting Point: Not determined
    Freezing Point: Not determined
    Boiling Point: 215°F / 101.6°C
    Flash Point (COC): > 250°F (Not flammable)
    Auto-ignition Temperature: Not available
    Decomposition Temperature: Not available
    Evaporation Rate: Not applicable
    Vapor Pressure: Not determined
    Explosive Limits: Not applicable
    Vapor Density: Not determined
    Specific Gravity: ~1.05 @ 25°C
    Water Solubility: Complete
    Viscosity (cP): Not determined
    Explosion Properties: None
    Oxidizing Properties: None
    Partition coefficient: Not available

Other information: None available
Section 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions of use

Chemical Stability: No known hazardous reactions

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Gross bacterial contamination

Incompatible Materials: Concentrated nitric or sulfuric acid, strong oxidizing agents

Hazardous Decomposition

Products: Burning can produce smoke, CO, CO2, ammonia and other products of incomplete combustion

Section 11: Toxicological Information

Acute Toxicity: Oral LD50 is anticipated to be >5g/kg based on testing of similar materials.

Irritation: Not determined

Corrosivity: This is not a corrosive product.

Sensitization: Not determined

Repeated Dose Toxicity: No data available

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive.

Mutagenicity: Not expected to present a germ cell mutagenicity hazard.

Toxicity for reproduction: Not expected to affect reproduction or development

Section 12: Ecological Information

Toxicity: No ecotoxicity data available.

Aquatic Toxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: Not expected to be bio-accumulative in aquatic organisms

Mobility in Soil: Since the product is completely soluble in water, it is expected to be highly mobile in soil.

Results of PBT and vPvB Assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other Adverse Effects: None known
Section 13: Disposal Information

**Product disposal:** Dispose of product in accordance with local, regional, and national regulations.

**Container disposal:** Dispose of container in accordance with licensed collector's sorting instructions.

**Other considerations:** No further information.

Section 14: Transport Information

<table>
<thead>
<tr>
<th></th>
<th>US DOT</th>
<th>EU Land Transport (ADR/RID/AND)</th>
<th>Sea Transport (IMDG)</th>
<th>Air Transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN Number:</strong></td>
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<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
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<tr>
<td><strong>UN Proper Shipping Name:</strong></td>
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<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
<tr>
<td><strong>Transport Hazard Class(es):</strong></td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Packing Group:</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Environmental Hazards:</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Special Precautions for User:</strong></td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Section 15: Regulatory Information

**EU EINECS/ELINCS/NLP:** All components of this product are listed on the EINECS Inventory

**Canada DSL/NDSL:** All components of this product are listed on the DSL/NDSL

**US TSCA:** CAS no. 96690-41-4 not listed

**Korea KECI:** All components of this product are listed on the ECL

**China IECSC:** All components are listed on the IECSC

**Japan ENCS:** All substances in product are listed on the Japanese ENCS Inventory

**Philippine PICCS:** All components of this product are listed on the PICCS

**Australia AICS:** All components of this product are listed on the AICS

**Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this mixture by the supplier.
Section 16: Other Information

Indication of Changes: Version 1 created March 16, 2016

List of Relevant R-phrases
(number and full text): Not applicable

Legal Disclaimer: Since the user’s working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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