Section 1: Identification

Trade Name: Silk Amino Acids
Synonyms: Phalaena mori
Company: Soapgoods Inc
Address: 1824 Willow Trail Pkwy, Ste 200. Norcross. GA 30093
Phone: (404) 924-9080
E-Mail: wecare@soapgoods.com
Emergency Phone: Chemtrec 1 800 424 9300

Section 2: Hazard(s) Identification

Acute Health Effect None known

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>% Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Nitrogen</td>
<td>&gt; 14%</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact: Wash with soap and water. Get medical attention if irritation develops.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion: Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie belt or waistband. Seek medical attention immediately.

Section 5: Fire-Fighting Measures

Flash Point: > 93°C. Non-flammable solid.
Fire fighting media and instructions Carbon oxides, CO2, foam and dry chemicals. Do not use dry water jet on burning material.
Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and fumes.
Special remarks on
Explosion Hazards
N/A

Section 6: Accidental Release Measures

Spills Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.
Personal protection in case of spills
Goggles, Gloves. Dust respirator, Lab coat.

Section 7: Handling and Storage

Storage: Store in cool (ideally 15 – 25 °C), dry, well ventilated area protected in an air-tight container away from any moisture, heat, light or direct sunlight. Keep air contact to minimum.

Section 8: Exposure Controls/Personal Protection

Engineering controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors.
Personal Protection Eyes: Safety goggles
Body: Lab coat
Respiratory: No special protective clothing is required.
Avoid inhalation of product, by wearing a vapor respirator.
Hands: Gloves
Exposure Limits: N/A.

Section 9: Physical and Chemical Properties

Appearance: White to pale yellow fine powder.
Odor: Characteristic sweet fine sugar-like odor.
Solubility: Soluble in water.
Loss on Drying: < 7.0 %
Residue on Ignition: <4.0 %
$\text{pH (1\% solution)}: 5.0 – 7.0$
Yeast and Mold: < 50cfu/g
Heavy Metals: <10 ppm
Total Nitrogen: > 14%
Sterilization Method: High Temperature & High Pressure for short time (5” – 10”)(Free from Gamma Irradiation).
Extraction Method: Hydrolyzed silk of the silkworm cocoon.

Section 10: Stability and Reactivity

Stability: Sable at room temperature
Conditions to Avoid: Heat and light sources.
Materials to Avoid: Strong oxidizing agents, alkali and acids.
Corrosivity: N/A
Flammability: N/A
Decomposition Products: When heated to decomposition, may produce carbon dioxide / carbon monoxide smoke with possibility of sulfur dioxide.

Section 11: Toxicological Information

Route of entry Absorbed through skin, eye contact, inhalation, ingestion.
Acute effect on Humans
Eyes: Small particles matter may be irritating to the eyes.
Skin: N/A
Inhalation: Small particles matter may be irritating to the mucus membrane.
Ingestion: N/A

Chronic Effects on Humans
Carcinogenic Effects: N/A
Mutagenic effects: N/A
Teratogenic Effects: N/A
Development toxicity: N/A

Section 12: Ecological Information

Keep away from drains, surface and ground water

Section 13: Disposal Considerations

Waste Information: Waste must be disposed of in accordance with local, provincial and federal regulations
Section 14: Transport Information

TDG Classification: Not regulated
IATA Shipping (Air): Not regulated
IMDG Shipping Not regulated

Section 15: Regulatory Information

WHMIS (Canada): Not classified under WHMIS
Other Regulations: N/A
Other Classifications: S36/38 May be irritating to eyes/skin

Section 16: Other Information

Disclaimer
Soapgoods it's affiliates and any other officers, directors or employees, agents, third-party content providers, merchants, sponsors, licensors or the like (now referred to as Soapgoods) cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge, and experience currently available. You expressly agree that your use of this MSDS is at your sole risk. Soapgoods expressly disclaims all express or implied warranties or merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use the ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis.

All information appearing herein is based upon the data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Soapgoods makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Soapgoods control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

Review Date: September 2017