



Safety Data Sheet

**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**

Chemical Name	% Content
Total Nitrogen	> 14%

**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 %

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: Stable 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**

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