



## Safety Data Sheet

### Section 1: Identification

Trade Name: Silk Peptide

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](mailto: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

Constituents: Aspartate, glutamate, serine, glycine, threonine, alanine, arginine, leucine, valine, methionine, phenylalanine, isoleucine, cystine, tyrosine, lysine and praline

### 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, CO<sub>2</sub>, 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**

Handling Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show product label.

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 hygroscopic powder.

Odor: Strong odor.

Solubility: Soluble in water.

Loss on Drying: <7.0 %

Moisture Content: < 5 %

Residue on Ignition: <4.0 %

pH (1% solution): 5.0 – 7.0

Total Nitrogen: >14.0 %

Heavy Metals: <10 ppm

Pathogenic Bacteria: Negative

Extraction Method: Hydrolyzed silk of the silkworm cocoon.

Major Components: Antioxidants, vitamins A, C, D, E; selenium

### **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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