



## Silk Amino Acids

### 1. Chemical Product and Company Identification

**Product Name:** Silk Amino Acids  
**Chemical Family:** Mixture  
**Distributed by:** Saffire Blue Inc.  
1444 Bell Mill Road, Tillsonburg, ON N4G4G9  
Tel: 519-286-0295 • Toll Free: 877-248-1115  
[www.saffireblue.ca](http://www.saffireblue.ca) [saffireblue@saffireblue.ca](mailto:saffireblue@saffireblue.ca)

### 2. Composition/Information on Ingredients

<u>CAS OR CHEMICAL NAME</u>	<u>CAS#</u>
Silk Amino Acids	96690-41-4

### 3. Hazards Identification

**Routes of Entry:** Inhalation, skin, eyes, ingestion  
**Chemical Interactions:** No known interactions  
**Human Threshold Response Data:** Odor Threshold: Not established  
Irritation Threshold: Not Established

**Hazard Ratings:**  
**HMIS** Health 0 Flammability 0 Physical/Instability 0  
**NFPA** Not Established

#### Immediate (Acute) Health Effects

**Inhalation Toxicity** Not expected to be toxic by inhalation. Not tested on animals.  
**Inhalation Irritation** Not a respiratory irritant.  
**Skin Contact** No significant adverse effects to health would be expected to occur from dermal contact. Not tested on animals.  
**Skin Absorption** Not expected to be absorbed through the skin.  
**Eye Contact** Contact would not be expected to cause irritation. No corneal involvement or visual impairment is expected.  
**Ingestion Irritation** Not expected to be toxic by ingestion.  
**Acute Target Organ Toxicity** None known

#### Prolonged (Chronic) Health Effects

**Carcinogenicity** This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.  
**Inhalation** There are no known or reported effects from chronic exposure except for effects similar to those experienced from acute exposure.  
**Ingestion** No known or reported effects from chronic ingestion except for effects similar to those experienced from single exposure.

<b>Sensitization</b>	This material is not known or reported to be a skin or respiratory sensitizer.
<b>Chronic Target Organ Toxicity</b>	There are no known or reported effects to humans from repeated exposure to this product.
<b>Supplemental Health Hazard Information</b>	No additional health information available.

## 4. First Aid Measures

<b>Inhalation</b>	IF INHALED: Remove individual to fresh air.
<b>Skin Contact</b>	IF ON SKIN: Flush with for 15 minutes. Call a physician if irritation develops.
<b>Eye Contact</b>	IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes.. Call a physician if irritation develops.
<b>Ingestion</b>	IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

## 5. Fire Fighting Measures

**Flammability Summary (OSHA)** Product is not known to be flammable, combustible, pyrophoric or explosive.

### Flammable Properties

<b>Flash Point</b>	Not available
<b>Autoignition Temperature</b>	None
<b>Fire / Explosion Hazards</b>	Material may be ignited only if preheated to high temperatures, for example in a fire.
<b>Extinguishing Media</b>	Not applicable. Choose extinguishing media suitable for surrounding materials.
<b>Protective Fire Fighting Equipment</b>	Standard
<b>Hazardous Combustion Products</b>	Carbon monoxide, carbon dioxide

## 6. Accidental Release Measures

**Personal Protection for Emergency Situations** No extra protection required beyond that listed in Section 8. In case of fire, use normal fire fighting equipment.

### Spill Mitigation Procedures

<b>Air Release</b>	Not applicable.
<b>Water Release</b>	This material is soluble in water. Retain all contaminated water for removal and treatment. Notify all downstream users of possible contamination.
<b>Land Release</b>	Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Contain all contaminated water for disposal and/or treatment. Do not place spill materials back in their original containers.
<b>Additional Spill Information</b>	Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

## 7. Handling and Storage

<b>Handling</b>	Do not take internally. Do not eat or drink when handling. Sterile material. Warm gently and mix well prior to using.
<b>Storage</b>	Store in a cool, dry and well ventilated place. Isolate from incompatible materials.

<b>Shelf Life Limitations</b>	Shelf Life is 1 year from date of manufacture in an unopened container. Once material is opened, material should be tested to confirm in spec.
<b>Incompatible Materials for Storage</b>	Refer to Section 10, "Incompatible Materials."

## 8. Exposure Controls/Personal Protection

**Ventilation** No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

### Protective Equipment for Routine Use of Product

<b>Respiratory Protection</b>	Wear a NIOSH approved respirator if dusting or misting occurs.
<b>Respirator Type(s)</b>	Not normally required.
<b>Skin Protection</b>	Wear impermeable gloves.
<b>Eye Protection</b>	Use safety glasses with side shields.
<b>Protective Clothing Type</b>	Impervious

### Exposure Limit Data

<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>Name of Limit</u>	<u>Exposure</u>
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No Data Found

## 9. Physical and Chemical Properties

<b>Physical State</b>	Pale yellow liquid
<b>Odor</b>	Mild, typical
<b>Molecular Weight</b>	Not applicable/mixture
<b>Specific Gravity</b>	1.06
<b>Solubility</b>	Soluble in water
<b>Vapor Density</b>	Same as water
<b>Vapor Pressure</b>	Same as water
<b>Evaporation Rate</b>	No Data
<b>pH</b>	Not applicable
<b>Boiling Point</b>	105°C / 221°F
<b>Volatiles, %by vol.</b>	85%
<b>VOC Content</b>	0.00 wt%/wt / 0.00 lb/gal
<b>HAP Content</b>	0.00 wt%/wt / 0.00 lb/gal

## 10. Stability and Reactivity

<b>Stability and Reactivity Summary</b>	Stable under normal conditions. Not sensitive to mechanical shock. Not sensitive to static discharge. Product will not undergo hazardous polymerization.
<b>Conditions to Avoid</b>	High temperatures
<b>Chemical Incompatibility</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon dioxide, carbon monoxide
<b>Decomposition Temperature</b>	No data

## 11. Toxicological Data & Effects

<b><u>Component Animal Toxicity</u></b>	No animal testing is performed.
<b>Oral LD50 value</b>	No data
<b>Dermal LD50 value</b>	No data
<b>Inhalation LC50 value</b>	No data
<b><u>Product Animal Toxicity</u></b>	No animal testing is performed.
<b>Oral LD50 value</b>	No data
<b>Dermal LD50 value</b>	No data
<b>Inhalation LC50 value</b>	No data

<b>Skin Irritation</b>	This material is not expected to be irritating to the skin.
<b>Eye Irritation</b>	This material is expected to be non-irritating.
<b>Reproductive and Developmental Toxicity</b>	Not known or reported to cause reproductive or developmental toxicity.
<b>Mutagenicity</b>	Not known or reported to cause reproductive or developmental toxicity.
<b>Carcinogenicity</b>	This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

## 12. Ecological Information

**Ecological Toxicity Values** No data

## 13. Disposal Considerations

**CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NON HAZARDOUS WASTES.**

<b>Waste Disposal Summary</b>	Spent or discarded material is not expected to be a hazardous waste.
<b>Disposal Methods</b>	As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations or by incineration.
<b>Potential US EPA Waste Codes</b>	Not applicable
<b>Components subject to land ban restrictions</b>	None

## 14. Transport Information

<b>Road (U.S. DOT):</b>	Not regulated
<b>Air (IATA):</b>	Not regulated
<b>Sea (IMDG):</b>	Not regulated

**Disclaimer:**

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