



# Safety Data Sheet

Issue Date: February 23, 2022

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### 1.1 Product Identifier:

**Trade Name:** Silk Amino Acids  
**INCI Name:** Silk Amino Acids

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

**Product Use:** Active ingredient in cosmetic and personal care applications

### 1.3 Details of the Supplier of the Safety Data Sheet:

**Supplier:** Voyageur Soap and Candle Co LTD  
Unit 14 – 19257 Enterprise Way Surrey, BC V3S 6J8  
**Website:** [www.voyageursoapandcandle.com](http://www.voyageursoapandcandle.com)  
**Telephone:** 1 (800) 758 – 7773

### 1.4 Emergency Telephone Number:

**24-Hour Emergency:** 1 (800) 424 – 9300 CHEMTREC

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The substance does not meet the criteria for a hazardous substance

**Classification according to the Hazard Communication Standard (HCS) (29 CFR 1910.1200):**

The substance does not meet the criteria for dangerous substance

### 2.2 Label Elements:

Not applicable  
Hazard Phrases: Not applicable  
Precautionary Phrases: Not applicable

### 2.3 Other Hazards: None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINECS #	DSD Classification (67/548/EEC)	CLP Classification (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not Classified as dangerous	Not Classified as hazardous	80.0 – 86.0
Silk Amino Acids	96690-41-4	306-235-8	Not Classified as dangerous	Not Classified as hazardous	14.0 – 20.0

**Additional information:** For full text of H-statements and R-phrases: See Section 16

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of First Aid Measures:

**Eye Contact:** Flush with water; seek medical advice if discomfort persists

**Skin Contact:** Wash material off the skin with soap and water

**Inhalation:** Not applicable, avoid breathing liquid or aerosols of material

**Ingestion:** Drink water, seek medical attention

#### 4.2 Most Important symptoms and effects, both acute and delayed:

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.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

No immediate medical treatment normally needed

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1 Suitable Extinguishing Media:

Dry chemical, CO<sub>2</sub>, foam, halon, water spray (fog)

#### 5.2 Special Hazards Arising from the Substance or Mixture:

**Unusual Fire and Explosion Hazards:** None known

**Hazardous Decomposition Products:** None known

#### 5.3 Advice for Fire-Fighters

**Special Fire Procedures:**

Self-contained breathing apparatus with full-face piece and protective clothing. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Ensure adequate ventilation. Use chemical safety for eye/face protection

#### 6.2 Environmental Precautions:

Non-hazardous but avoid direct releases to the environment

### 6.3 Methods and Material for Containment and Cleaning Up:

Pick up with absorbent material and collect for disposal

### 6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal considerations

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

Keep working place well ventilated; no special precautions are needed under normal use conditions

### 7.2 Conditions for Safe Storage, Including any Incompatibilities:

Avoid temperatures above 40°C. Optimum storage temperature is 24°C or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.

### 7.3 Specific end use(s):

Active ingredient in cosmetic and personal care applications

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

Chemical Name	8.1.1 Occupational Exposure Limits	8.1.2 Additional exposure limits under the conditions of use	8.1.3 DNEL/DMEL and PNEC-Values:
Water	No limits established	Not Available	Not Available
Silk Amino Acids	No limits established	Not Available	Not Available

### 8.2 Exposure Controls:

#### 8.2.1 Appropriate Engineering Controls:

General mechanical ventilation is acceptable

#### 8.2.2 Individual protection measures, such as personal protective equipment:

**Eye/Face protection:** Chemical goggles with side splash protection recommended

**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:** An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

#### 8.2.3 Environmental Exposure Controls:

Non-hazardous but avoid direct releases to the environment

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties:

<b>Appearance:</b> Clear, amber liquid	<b>Vapor Pressure:</b> Not determined
<b>Odor:</b> Characteristic, faint	<b>Vapor Density:</b> Not determined
<b>Odor Threshold:</b> No data available	<b>Specific Gravity:</b> ~1.05 @ 25°C
<b>pH:</b> 3.5 – 5.5	<b>Water Solubility:</b> Complete
<b>Melting Point/Freezing Point:</b> Not determined	<b>Partition coefficient n-octanol/water:</b> Not available
<b>Boiling Point:</b> 215°F / 101.6°C	<b>Auto-ignition Temperature:</b> Not available
<b>Flash Point (COC):</b> >250°F (Not Flammable)	<b>Decomposition Temperature:</b> Not available
<b>Evaporation Rate:</b> Not applicable	<b>Viscosity (cP):</b> Not determined
<b>Flammability (solid, gas):</b> Not applicable	<b>Explosion Properties:</b> None
<b>Upper/lower flammability or explosive limits:</b> Not applicable	<b>Oxidizing Properties:</b> None

### 9.2 Other Information:

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

Not reactive under normal conditions of use

### 10.2 Chemical Stability:

No known hazardous reactions

### 10.3 Possibility of Hazardous Reactions:

None known

### 10.4 Conditions to Avoid:

Gross bacterial contamination

### 10.5 Incompatible Materials:

Concentrated nitric or sulfuric acid, strong oxidizing agents

### 10.6 Hazardous Decomposition Products:

Burning can produce smoke, CO, CO<sub>2</sub>, ammonia and other products of incomplete combustion

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

**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 to be a germ cell mutagenicity hazard

**Toxicity for reproduction:** Not expected to affect reproduction or development

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity:** No ecotoxicity data available

**Acute (short-term) toxicity:** N/A

**Fish:** N/A

**Crustacea:** N/A

**Algae/aquatic plants:** N/A

**Other organisms:** N/A

**Chronic (long-term) toxicity:** N/A

**12.2 Persistence and Degradability:**

Not available

**12.3 Bio accumulative Potential:**

Not expected to be bio-accumulative in aquatic organisms

**12.4 Mobility in Soil:**

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

**12.5 Results of PBT and vPvB Assessment:**

The mixture does not contain any substances that are assessed to be a PBT or a vPvB

**12.6 Other Adverse Effects:**

None known

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods:**

Dispose in accordance with local and federal environmental regulations

**SECTION 14: TRANSPORT INFORMATION**

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>14.1 UN Number</b>				
<b>14.2 UN Proper Shipping Name</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3 Transport Hazard Class(s)</b>				
<b>14.4 Packing Group</b>				
<b>14.5 Environmental Hazards</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.6 Special Precautions for user</b>	None	None	None	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b>	Not applicable	Not applicable	Not applicable	Not applicable

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

Component	CAS #	EINECS #	China IECSC / IECIC	USA TSCA	Japan ENCS	Korea KECI	Philippines PICCS	Canada DSL	EU EINECS/ELINCS /NLP
Water	7732-18-5	231-791-2	✓	✓	✓	✓	✓	✓	✓
Silk Amino Acids	96690-41-4	306-235-8	✓		✓	✓	✓	✓	✓

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

**SECTION 16: OTHER INFORMATION****16.1 Indication of Changes**

Version 1 created on February 23, 2022

**16.2 List of Relevant R-phrases (number and full text):**

Not applicable

**16.3 Legal Disclaimer**

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End of Safety Data Sheet