

# SAFETY DATA SHEET

## SILK AMINO ACIDS

### 1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Silk Amino Acids

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,  
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

### 2. HAZARD IDENTIFICATION

#### Classification of the Substance or Mixture

#### Classification according to REGULATION (EU) 2020/878:

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008,

#### Classification according to The Hazard Communication Standard (HCS) (29 CFR 1910.1200)

The substance does not meet the criteria for dangerous substance

#### Label Elements:

Not applicable

Hazard Statement: Not applicable

Precautionary Statement: Not applicable

**Other Hazards:** None provided on whether the substance meets the criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with Annex XIII, whether the substance was included in the list established in accordance with Article 59(1) for having endocrine disrupting properties.

### 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%

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

Silk Amino Acids	96690-41-4	306-235-8	Not classified as dangerous	Not classified as hazardous	14.0 – 20.0%
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#### 4. FIRST AID MEASURES

**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

**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.

**Indication of any immediate medical attention and special treatment needed:**

No immediate medical treatment normally needed.

#### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

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

**Unsuitable extinguishing media:**

None

**Special Hazards Arising from the Substance or Mixture:**

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

**Hazardous Decomposition Products:** None known

**Advice for Fire-Fighters:**

**Special Fire Fighting Procedures:**

Self-contained breathing apparatus with full-face piece and protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

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

**Environmental Precautions:**

Non-hazardous but avoid direct releases to the environment

**Methods and Material for Containment and Cleaning Up:**

Pick up with absorbent material and collect for disposal

**Reference to Other Sections:**

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

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

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

**Conditions for Safe Storage, Including any Incompatibilities:**

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

**Advice on general occupational hygiene:**

- (a) not to eat, drink and smoke in work areas;
- (b) to wash hands after use; and
- (c) to remove contaminated clothing and protective equipment before entering eating areas.

**Specific end use(s):**

Active ingredient in cosmetic and personal care applications

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:**

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

**Exposure Controls:** None

**Appropriate Engineering Controls:**

General mechanical ventilation is acceptable

**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.

**Environmental Exposure Controls:**

Non-hazardous but avoid direct releases to the environment

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic Physical and Chemical Properties:**

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

**Other Information:**

None

**10. STABILITY AND REACTIVITY**

**Reactivity:**

Not reactive under normal conditions of use

**Chemical Stability:**

No known hazardous reactions

**Possibility of Hazardous Reactions:**

None known

**Conditions to Avoid:**

Gross bacterial contamination

**Incompatible Materials:**

Concentrated nitric or sulfuric acid, strong oxidizing agents.

**Hazardous Decomposition Products:**

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

**11. TOXICOLOGICAL INFORMATION**

**Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

**Acute toxicity:** Oral LD<sub>50</sub> is anticipated to be >5g/kg based on testing of similar materials.

**Skin Corrosion/ Skin Irritation:** Non-Corrosive/ No data available

**Respiratory or Skin Sensitization:** Not Expected/ No data available

**STOT-Single /STOT-repeated exposure:** No data available

**Carcinogenicity:** None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive (EC) No 1272/2008 for CMR, categories 1A and 1B.

**Mutagenicity:** Not expected to present a germ cell mutagenicity hazard

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

**Information on Other Hazards:**

None known

**12. ECOLOGICAL INFORMATION**

**Toxicity:** No ecotoxicity data available

**Acute (short-term) toxicity:** N/A; Not tested

**Fish:** N/A; Not tested

**Crustacea:** N/A; Not tested

**Algae/aquatic plants:** N/A; Not tested

**Other organisms:** N/A; Not tested

**Chronic (long-term) toxicity:** N/A; Not tested

**Fish:** N/A; Not tested

**Persistence and Degradability:**

Bioavailable and readily degradable based on similar models

**Bio accumulative Potential:**

Not expected to be bio-accumulative in aquatic organisms

**Mobility in Soil:**

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

**Results of PBT and vPvB Assessment:**

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

**Endocrine Disrupting Properties for Environment Exposure:**

None known

**Other Adverse Effects**

None Known

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:**

Dispose in accordance with local and federal environmental regulations. Sewage disposal is discouraged.

### 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
<b>UN-Number</b>	Not regulated	Not regulated	Not regulated
<b>UN Proper shipping name</b>	Not regulated	Not regulated	Not regulated
<b>Transport hazard Class</b>	Not regulated	Not regulated	Not regulated
<b>Packaging group</b>	Not regulated	Not regulated	Not regulated
<b>Environmental hazards</b>	Not applicable	Not applicable	Not applicable
<b>Special precautions for user</b>	None	None	None

<b>Maritime transport in bulk according to IMO instruments</b>	Not applicable	Not applicable	Not applicable
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## 15. REGULATORY INFORMATION

**Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

**EU EINECS/ELINCS/NLP:** All components of this product are listed on the EINECS Inventory.

**Canada DSL/NDSL:** All components of this product are listed on the DSL/NDSL

**US TSCA CAS no.** 96690-41-4 not listed

**Korea KECI:** All components of this product are listed on the ECL.

**China IECSC:** All components of this product are listed on the IECSC.

**Japan ENCS:** All components are listed on the Japanese Existing and New Chemical Substances Inventory.

**Philippine PICCS:** All components of this product are listed on the PICCS

**Australia AICS:** All components of this product are listed on the AICS

**Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this mixture by the supplier and it has been deemed safe based on appropriate use in section 1.2 and 7.4 in this Safety data sheet.

## 16. OTHER INFORMATION

**All statements, technical information and recommendations contained herein are based on tests and data which Natural Bulk Supplies believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.**