

# Material Safety Data Sheet

Material Name: XINTIANSI™ Hydrolyzed silk

ID: HK0001

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Porduct name :** Silk peptide

**Part number:** XSP01

**Product Use:** Cosmetic and/or Health Food Materials

**Issued date:** 12/18/03

**Synonyms:** Silk peptide

**Chemical Name or Family:** Hydrolyzed silk

**Manufacturer Information:**

HUZHOU XINTIANSI BIO-TECH CO., LTD  
318 CHUANGYE ROAD, HUZHOU  
ZHEJIANG 313000  
P. R. CHINA

**Phone:** 86-572-2123171

**Emergency Phone Number:** 86-13857272268

## \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

### Composition

CAS #	Component	Percent
96690-41-4	Hydrolyzed silk	100

## \*\*\* Section 3 - Hazards Identification \*\*\*

### Emergency Overview

Silk peptide obtained from the secretion of the silkworm, if inhaled, do not cause severe allergic skin reactions and/or systemic reactions. Organic dust may cause eyes and respiratory tract irritation and may form an explosive mixture with air.

### Potential Health Effects: Eyes

Organic dust may irritate eye tissues.

### Potential Health Effects: Skin

Not expected to be a primary skin irritant.

### Potential Health Effects: Ingestion

Not a likely route of entry.

### Potential Health Effects: Inhalation

Organic dusts of this product may cause irritation of the nose, throat, and respiratory tract, and may cause severe allergic skin reactions and/or systemic reactions.

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water at least 15 minutes and seek medical advice.

### First Aid: Skin

In case of contact with skins, wash with soap and water.

### First Aid: Ingestion

If swallowed, get medical attention.

### First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. Seek medical attention if symptoms develop or persist.

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## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

**Flash Point:** NE

**Method Used:** NA

**Upper Flammable Limit (UFL):** NA

**Lower Flammable Limit (LFL):** NA

### General Fire Hazards

Dust accumulation from this product may present an explosion hazard in the presence of an ignition source.

### Hazardous Combustion Products

Oxides of carbon and nitrogen

### Extinguishing Media

Dry chemical, foam, carbon dioxide, water spray.

### Fire Fighting Equipment/Instructions

Wear self-contained breathing apparatus and other protective clothing. This product is not combustible. Use extinguishing media appropriate for surrounding fire.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Clean-Up Procedures

Clean-up with inert absorbent material and place into a separate waste container. Avoid the generation of dusts during clean-up.

### Evacuation Procedures

None necessary.

### Special Procedures

Flush the area with warm water. Avoid inhalation of dust from the product.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Avoid eye contact.

Special care must be taken to avoid buildup of dusts.

Special care must be taken to avoid inhalation exposure when using this product.

### Storage Procedures

Store under cool and dry conditions.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

ACGIH, OSHA, German DFG, United Kingdom and Sweden have not developed exposure limits for this product

### Engineering Controls

Use explosion-proof equipment if high dust/air concentrations are possible.

Ventilation should effectively remove and prevent buildup of any organic dust generated from the handling of this product.

Local exhaust ventilation is recommended when generating excessive levels of airborne dust.

### Personal Protective Equipment: Eyes/Face

Wear dust goggles.

### Personal Protective Equipment: Skin

Wear impervious gloves

### Personal Protective Equipment: Respiratory

When dust is generated and ventilation is not sufficient to effectively remove the dust, appropriate HEPA type filter with respirator must be used.

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## Personal Protective Equipment: General

Keep formation of dusts or particulates to a minimum.

### \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	White color	<b>Odor:</b>	Odorless
<b>Physical State:</b>	Powder	<b>pH:</b>	4.5-6.5(1% in water)
<b>Vapor Pressure:</b>	NA	<b>Vapor Density:</b>	NA
<b>Boiling Point:</b>	NA	<b>Melting Point:</b>	NA
<b>Solubility (H2O):</b>	soluble	<b>Specific Gravity:</b>	ND

### \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

#### Chemical Stability

This is a stable material.

#### Conditions to Avoid

Avoid strong alkali and oxidizing agents.

Avoid contact with extreme heat.

#### Incompatibility

strong oxidizing agents.

#### Hazardous Decomposition

Upon decomposition, this product emits carbon monoxide, carbon dioxide, oxides of nitrogen and ammonia.

#### Hazardous Polymerization

Will not occur

### \*\*\* Section 11 - Toxicological Information \*\*\*

#### ACUTE AND CHRONIC TOXICITY

##### Component Analysis - LD50/LC50

➤ 21.5 g/kg (mice, oral)

#### Carcinogenicity

The product is not being listed by IARC, German DFG or United Kingdom.

### \*\*\* Section 12 - Ecological Information \*\*\*

#### ECOTOXICITY

##### General Product Information

No information available for the product.

##### Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product'

### \*\*\* Section 13 - Disposal Considerations \*\*\*

#### Waste Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

### \*\*\* Section 14 - Transportation Information \*\*\*

#### International Transportation Regulations

Not classified as hazardous for transportation

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## \*\*\* Section 15 - Regulatory Information \*\*\*

### INTERNATIONAL REGULATORY INFORMATION

#### Component Analysis – Inventory

Component	CAS #	TSCA	DSL	EINECS	(INCI) (76/768/EEC)	AICS	Inventory China	PICCS
Hydrolyzed silk	96690-41-4	No	No	No	Yes	Yes	Yes	Yes

This product Silk peptide (CAS 96690-41-4) does not fall into any category of Dangerous Goods Classification and Label regulation (GB13690-92, China).

## \*\*\* Section 16 - Other Information \*\*\*

### Disclaimer

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### Key/Legend

NE = Not Established. NA = Not available or Not Applicable. ND = Not determined or No Data. ACGIH = American Conference of Governmental Industrial Hygienists. TLV = Threshold Limit Value. NTP = National Toxicology Program. INCI = EU - Inventory of Cosmetic Ingredients Directive. AICS = Australia - Inventory of Chemical Substances. PICCS = Philippines - Inventory of Chemicals and Chemical Substances

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