

## Silk Protein, Hydrolyzed

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 09-Feb-2026  
Supersedes: 15-Nov-2024

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Silk Protein, Hydrolyzed  
**Synonyms:** No data available  
**INCI Name:** Water, Hydrolyzed Silk  
**CAS Number:** 7732-18-5, 96690-41-4  
**Formula:** No data available  
**Product Form:** Liquid  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**Classification:** 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.

**(EC) No 1272/2008 (CLP Labeling:** EUH210: 'Safety data sheet available on request'.  
EUH208: 'Contains Benzyl Alcohol. May produce an allergic reaction'.

**Hazard Pictograms:** None.  
**Hazard Statements:** None.  
**Precautionary Statements:** None.  
**Other Hazards:** None provided on whether the substance meets the criteria for persistent, bio accumulative and toxic or very persistent and very bio accumulative 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

**Potential Health Hazards:** Eyes: May be an irritant.  
Inhalation: May be an irritant.  
Skin: May be an irritant.  
Ingestion: May cause nausea, vomiting, and diarrhea.

**NFPA Ratings (704):**

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Water	7732-18-5	86 - 92%	Not Available
Hydrolyzed Silk	96690-41-4	8 - 14%	Not Available

### 4 FIRST AID MEASURES

**Eyes:** Flush with water. seek medical advice if discomfort persists  
**Inhalation:** Not applicable, avoid breathing liquid or aerosols of material.  
**Skin:** Wash material off the skin with soap and water. Seek medical attention if necessary.  
**Ingestion:** Drink water. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.  
**General Notes:** No immediate medical treatment normally needed.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (dry chemical, CO <sub>2</sub> , foam, halon, water spray (fog)) for adjacent fire. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained breathing apparatus with full-face piece and full protective clothing, including eye protection and boots.
<b>Flash Points:</b>	> 250°F
<b>Specific hazards arising from the chemical:</b>	None listed. See also Stability and reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Ensure adequate ventilation. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Non-hazardous but avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Pick up with absorbent material and collect for disposal. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Keep working place well ventilated; no special precautions are needed under normal use conditions. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Store at room temperature in tightly sealed containers. Avoid temperatures above 104°F (40°C). Optimum storage temperature is 75°F (24°C) or lower. Avoid exposure to sunlight for prolonged periods. Store away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Silk Protein, Hydrolyzed	No limits established	Not available	Not available

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

<b>Eyes:</b>	Chemical goggles with side splash protection recommended.
<b>Inhalation:</b>	None required under normal conditions of use.
<b>Body:</b>	None required under normal conditions of use but gloves and lightweight protective clothing is recommended.
<b>Other:</b>	General mechanical ventilation is acceptable. Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Launder contaminated clothing before re-use.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear to slightly hazy liquid	<b>Vapor Pressure:</b>	Not determined
<b>Odor:</b>	Characteristic	<b>Vapor Density:</b>	Not determined
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	Not applicable
<b>Color:</b>	Amber	<b>Flammability:</b>	Not applicable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	Not applicable
<b>pH:</b>	4.0 - 5.5	<b>Flash Point:</b>	> 250°F (Not flammable)
<b>Boiling Point:</b>	215°F (101.6°C)	<b>Specific Gravity at 25°C:</b>	1.04
<b>Melting/Freezing Point:</b>	Not determined	<b>Water Solubility:</b>	Complete
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available

Viscosity (cP):	Not determined	Explosive Properties:	None
Oxidizing Properties:	None	Metal Corrosion:	No data available

## 10 STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions of use.
Chemical Stability:	No known hazardous reactions.
Hazardous Polymerization:	No data available.
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.
Possible Hazardous Reactions:	None known.

## 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD50 is anticipated to be >5g/kg based on testing of similar materials.
Skin:	Not determined.
Eyes:	No data available.
Inhalation:	No data available.
Ingestion:	No data available.
Carcinogenicity:	None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Not expected to present a germ cell mutagenicity hazard.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	Not expected to affect reproduction or development.
Respiratory/Skin Sensitization:	Not determined.
Corrosivity:	This is not a corrosive product.

## 12 ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data available.
Aquatic Vertebrate:	Not tested.
Aquatic Invertebrate:	Not tested.
Terrestrial:	Not tested.
Persistence and Degradability:	No data available.
Bioaccumulative 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.
PBT and vPvB Assessment:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other Adverse Effects:	None known.

## 13 DISPOSAL CONSIDERATIONS

Waste Residues:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
Product Containers:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated.

IATA (International Air Transport Association):	Not regulated.
ICAO (International Civil Aviation Organization):	Not regulated.
ADR/RID/ADN (EU Land Transportation):	Not regulated.

## 15 REGULATORY INFORMATION

TSCA Inventory Status:	CAS no. 96690-41-4 not listed.
Canada (DSL/NDL):	All components of this product are listed on the DSL/NDL.
EU (EINECS/ELINCS/NLP):	All components of this product are listed on the EINECS Inventory.
China (IECSC):	All components of this product are listed on the IECSC.
Australia (AICS):	All components of this product are listed on the AICS.
Japan (ENCS):	All components are listed on the Japanese Existing and New Chemical Substances Inventory.
Philippines (PICCS):	All components of this product are listed on the PICCS.
Korea (KECI):	All components of this product are listed on the ECL.
Chemical Safety Assessment:	No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## 16 OTHER INFORMATION

Revision Date:	09-Sep-2026
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.