

Silk Protein, Hydrolyzed

SECTION 1 :: PRODUCT IDENTIFICATION

Product Name: Silk Protein, Hydrolyzed

INCI Name: Hydrolyzed Silk

Distributed by:

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SECTION 2 :: INGREDIENTS

CAS/EU number
CAS:96690-41-4, 7732-18-5 EINECS: 306-235-8, 231-554-6

Chemical / INCI Name
Hydrolyzed Silk

SECTION 3 :: HAZARDS IDENTIFICATION

Non-Hazardous

Inhalation	No adverse effect expected.
Skin Contact	No adverse effect expected.
Eye Contact	May cause mild irritation.
Ingestion	Excessive ingestion may cause mild nausea or abdominal discomfort.
Overexposure	No adverse effect expected. This material is generally considered non-toxic.

SECTION 4 :: FIRST AID MEASURES

General Advice	No hazard which requires special first aid measures
Inhalation	Remove to fresh air.
Skin Contact	If irritation occurs, wash with soap and water.
Eye Contact	Flush eyes with copious amounts of water and observe. Consult physician if irritation occurs.
Ingestion	Drink 2 glasses of water and induce vomiting. Call physician and observe for signs of illness.
Overexposure	No adverse effect expected.

SECTION 5 :: FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use water spray, CO2, dry chemical, alcohol or universal type foams applied by manufacturer's instructions.

Extinguishing media which must not be used for safety reasons
No special requirements

Unusual fire and explosion hazards
None

Special protective equipment for fire-fighters
Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus.

Specific methods
None known

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SECTION 6 :: ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation.
Environmental precautions	Non-hazardous
Methods for clean-up government regulations	Flush with hot water or cover with absorbent. Collect for disposal. Observe all

SECTION 7 :: HANDLING AND STORAGE

Handling	Keep working place well ventilated, no special cautions
Storage	Store at room temperature in tightly closed containers.

SECTION 8 :: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values	
Exposure controls	
Occupational exposure controls	
Ventilation: Mechanical ventilation is acceptable.	
Respiratory Protection	Not required under usual conditions of use. However, if exposure potential exists, refer to NIOSH Criteria Guides to determine proper equipment.
Protective Clothing	Normal work gloves and chemical operator's goggles.

SECTION 9 :: PHYSICAL AND CHEMICAL PROPERTIES

General Information (appearance, odor)

Physical state	Liquid
Color	Clear to slightly hazy, yellow to amber
Odor	Characteristic

Important health safety and environmental information

pH	4.0 – 6.0
Boiling point/range	215°F
Flash point	Not applicable
Vapor Pressure (mm-Hg)	Not determined
Vapor Density (AIR=1)	Not determined
Solubility	
Water solubility	Complete
% Volatile	Approximately 90%
Specific Gravity (H ₂ O = 1)	1.04 @ 25°C (77°F)

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SECTION 10 :: STABILITY AND REACTIVITY

Stability	Stable
Incompatibility	Concentrated nitric or sulfuric acid; strong oxidizing agents.
Conditions to Avoid:	Gross bacterial contamination
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Burning can product smoke, CO, CO ₂ , and/or ammonia

SECTION 11 :: TOXICOLOGICAL INFORMATION

Not tested on laboratory animals. LD 50's anticipated to be greater than 5G/kg based on testing of similar products

SECTION 12 :: ECOLOGICAL INFORMATION

Biodegradable, no data available

SECTION 13 :: DISPOSAL CONSIDERATIONS

Small amounts may be flushed to sewer. Material is very biodegradable. Otherwise, dispose of in accordance with all Federal, State and Local regulations for non-hazardous substances

SECTION 14 :: TRANSPORT INFORMATION

Not classified as hazardous for transport.
HMIS Rating: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant
Health: 0 Flammability: 0 Reactivity: 0

SECTION 15 :: REGULATORY INFORMATION

Non-Hazardous

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SECTION 16 :: OTHER INFORMATION

Text of R phrases mentioned in Section 2	None
Training advice	Read the safety data sheet before using the product
Recommended restrictions	None

Disclaimer

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