ASESCHEM
SINCE 1942

1 PRODUCT & COMPANY IDENTIFICATION

Product Name : Silk Protein, Hydrolyzed
Synonyms : No data available
INCI Name : Hydrolyzed silk protein, benzylalcohol, sodium benzoate, potassium sorbate
CAS Number : 100-51-6, 532-32-1, 24634-61-5
Formula : Not available
Product Form : Liquid
Product Use : Cosmetic use

Company : Ases Chemical Works
Address : Brahm Bagh, Jalori Gate, Jodhpur-342001 (India)
Whats App : +91-291-2635041
Web : www.ases.in,
e-mail : ecom@ases.in

2 HAZARDS IDENTIFICATION

GHS Classification : Not classified
GHS Labeling : Not classified
GHS Hazard Pictograms : None
GHS Hazard Statements : None
GHS Precautionary Statements : None

Potential Health Hazards:

Eyes : Not expected to be irritant.
Skin : Not expected to be irritant.
Inhalation : Not expected to be irritant.
Ingestion : Not expected to be irritant.

NFPA Ratings (704):

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Hydrolyzed Silk Protein	Not available	Not available	Not available
Benzylalcohol	100-51-6	Not available	Not available
Potassium Sorbate	532-32-1	Not available	Not available
Sodium Benzoate	24634-61-5	Not available	Not available

4 FIRST AID MEASURES

Eyes : Flush with water; seek medical advice if discomfort persists.
Inhalation : Not applicable, avoid breathing liquids or aerosols of material.
Skin : Wash material off the skin with soap and water.
Ingestion : Drink water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical: None known. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment: Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up: Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and clean-up materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities: Store in cool, dry well-ventilated area. Avoid temperatures above 40°C. Optimum storage is 24°C or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods. Keep away from incompatible materials

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Hydrolyzed silk protein	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 : Ceili

Personal Protection:

Eyes : Chemical goggles with side splash protection recommended.

Inhalation : Not needed under normal conditions of use.

Body : Wear protective gloves.

Other : Practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear to slightly hazy, amber Liquid

Odor : Characteristic, slight

Taste : No data available

Color : Clear to slightly hazy, amber

Molecular Weight : No data available

pH : 4.0-5.5

Boiling Point : 101.6°C (215°F)

Melting Point : No data available

Relative Density : No data available

Partition Coefficient noctanol/water : No data available

Viscosity : Not determined

Oxidizing Properties : None

Vapor Pressure : Not determined

Saponification Value : No data available

Iodine Value : No data available

Flammability : Not applicable

Peroxide Value : No data available

Solubility in Water : Complete

Flash Point : >250°F (Not flammable)

Specific Gravity @ 25°C : 1.04

Auto-Ignition Temperature : No data available

Decomposition Temperature : No data available

Explosive Properties : None

Freezing Point : No data available

10 STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: No known hazardous reactions.

Hazardous Polymerization: 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, CO2, ammonia, and other products of incomplete combustion

11 TOXICOLOGICAL INFORMATION

Acute Toxicity : Oral LD50 is anticipated to be >5 g/kg based on testing of similar material.

Skin : No data available

Eyes : No data available

Respiratory : No data available

Ingestion : No data available

Teratogenicity: No data available

Germ Cell Mutagenicity : Not expected to be 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 : No data available

Corrosivity : This is not a corrosive product.

Sensitization : Not expected to cause sensitization.

Irritation : Not expected to cause irritation.

Repeated Dose Toxicity : No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate : No data available

Aquatic Invertebrate : No data available

Terrestrial : No data available

Persistence and Degradability : No data available

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.

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 container.

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 as dangerous goods

TDG (Transportation of Dangerous Goods, Canada) : No data available

IMDG (International Maritime Dangerous Goods) : Not regulated as dangerous goods

IATA (International Air Transport Association) : Not regulated as dangerous goods

ICAO (International Civil Aviation Organization) : Not regulated as dangerous goods

ADR/RID/AND : Not regulated as dangerous goods

15 REGULATORY INFORMATION

TSCA Inventory Status : CAS 96690-41-1 not listed.

DSCL (EEC) : All of the components of this product are listed on the DSL/NDSL.

WHMIS (Canada) : No data available

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

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

China IECIC (06.30.2014) : No data available

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

Philippines PICCS : All components of this product are listed on the PICCS.

Japan ENCS : No data available

16 OTHER INFORMATION

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 suitableness & completeness of such information for his own particular use.