

MSDS SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Hydrolysed Silk Protein

Botanical Name/INCI: Water, Hydrolyzed Silk

Product Use: Cosmetic/Industrial

CAS Number: 96690-41-4

Origin: USA

Supplier: Botanic Planet Canada Inc.

Address: 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

Phone / Fax: 905-455-4444 / 905-455-8841

Emergency Tel No: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. Hazards Identification

GHS Classification

This material is not classified as Dangerous according to the health and physical properties

Directives on the classification of substances and preparation.

GHS Label elements, including precautionary statements

Signal: Not applicable

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

3. Composition / Information on Ingredients

Product Name	Cas No	EC	Concentration
Water	7732-18-5		≥ 75.0 % Not Available
Hydrolyzed Silk	96690-41-4		8.0 -24.0% Not Available
Benzyl alcohol	100-51-6		0.5 - 0.8% Not Available
Potassium sorbate	24634-61-5		0.1 - 0.2% Not Available
Sodium benzoate	532-32-1		0.1 - 0.2% Not Available

4. First-Aid Measures

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse out mouth with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & ground waters. **CLEAN UP METHODS** Remove all potential ignition sources. Contain spilled material. Cover with an inert or **FOR SPILLAGES:** non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

7. Handling & Storage

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK / HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. Physical & Chemical Properties

Appearance: Clear to slightly hazy liquid

Vapor Pressure: Not determined

Odor: Characteristic

Vapor Density: Not determined

Odor Threshold: No data available

Evaporation Rate: Not applicable

Color: Amber

Flammability: Not flammable

Molecular Weight: No data available Upper/lower

Explosive Limit: Not applicable

pH: 4.0 – 5.5

Flash Point: > 250°F

Boiling Point: 215°F (101.6°C)

Specific Gravity at 25°C: 1.04

Melting/Freezing Point: Not determined

Water Solubility: Complete

Relative Density: No data available

Auto-Ignition Temperature: No data available

Partition Coefficient: noctanol/water:

Viscosity (cP): Not determined Explosive Properties: None

Oxidizing Properties: None Metal Corrosion: No data available

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information

May be irritation to skin.

12. Ecological Information

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

16. Other Information



Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.

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CERTIFICATE OF ANALYSIS

Product Name: Hydrolysed Silk Protein

INCI Name: Water, Hydrolyzed Silk

Lot No: BPOCHSP052024

Best Before: May 2027

Origin: USA

PERAMETERS

SPECIFICATIONS

RESULT

Appearance: Clear amber liquid* Complies

Odor: Characteristic Complies

Non-volatile Matter: (1g/1hr/105°C) 8.0 - 14.0% 10.7%

pH Direct @ 25°C 4.0 - 5.5 4.7

Color, Gardner (ASTM D6166) 11.0 MAX Complies

Ash @ 800°C 0.5% MAX 0.0%

Nitrogen, Dumas 1.6 - 2.3% 1.7%

Total Aerobic Bacteria <100 CFU/mL; no pathogens Complies

Mold & Yeast <100 CFU/mL Complies

For longer shelf life keep it away from direct light, heat and moisture

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