

Material Safety Data Sheet (MSDS)

EGF Powder (Epidermal Growth Factor)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EGF Powder (Epidermal Growth Factor)

INCI Name: sh-Oligopeptide-1

CAS Number: 62253-63-8

Product Grade: Cosmetic Grade

Recommended Use: Cosmetic raw material for research, development, and manufacture of skincare

Origin: USA

Supplier: Botanic Planet Canada Inc.

Address: 2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada

Telephone number: 905-455-4444

Emergency phone number (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

SECTION 2: HAZARDS IDENTIFICATION

GHS/WHMIS Classification:

Hazard Pictograms



Signal Word: Warning

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Hazard Statements:

Potential Exposure Concerns:

- Airborne powder may cause mechanical irritation to the eyes and respiratory tract.
- Skin contact may cause irritation in susceptible individuals.
- Avoid inhalation of airborne powder.

- Avoid ingestion and unnecessary direct exposure.

Precautionary Measures: Handle using appropriate laboratory or industrial hygiene practices. Avoid generating dust. Wear suitable protective equipment.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Reported Specification
EGF Powder (sh-Oligopeptide-1)	62253-63-8	Assay: 98%
Other constituents or processing residues	Not specified	Not provided

SECTION 4: FIRST AID MEASURES

Eye Contact: Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation or unusual symptoms occur.

Inhalation: Move the affected person to fresh air. Seek medical attention if coughing, breathing difficulty, or other symptoms persist.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice.

Most Important Symptoms: Substance-specific acute exposure symptoms have not been established from the supplied documentation.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Select extinguishing media appropriate for the surrounding fire, such as water spray, dry chemical powder, carbon dioxide, or foam.

Specific Hazards: Organic powder may decompose when heated or burned, potentially producing irritating fumes and carbon oxides.

Dust Explosion Hazard: Not evaluated; avoid generating airborne dust near ignition sources until dust combustibility has been assessed.

Protective Equipment: Firefighters should wear appropriate protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid inhaling dust and prevent contact with eyes and skin. Use appropriate protective equipment.

Cleanup Methods: Carefully collect spilled powder using methods that minimize dust generation. Place material in a suitable, labelled container.

Environmental Precautions: Prevent unnecessary discharge into drains, soil, or waterways.

Disposal: Dispose of contaminated materials according to applicable regulations.

SECTION 7: HANDLING AND STORAGE

Handling:

- Avoid generating or inhaling airborne powder.
- Use clean, dry equipment.
- Avoid unnecessary exposure to moisture and heat.
- Wash hands after handling.
- Prevent contamination during weighing and transfer.

Storage:

Store in a tightly sealed container, protected from moisture, direct sunlight, and excessive heat.

Storage Temperature: Manufacturer stability data required. Do not assume room-temperature stability or a specific refrigeration/freezing requirement without supplier confirmation.

Shelf Life: Refer to the labelled retest/expiry date and validated storage conditions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No substance-specific exposure limit supplied.

Engineering Controls: Use adequate ventilation and dust-control measures during powder handling.

Eye Protection: Safety glasses or chemical splash goggles.

Hand Protection: Suitable protective gloves.

Skin Protection: Laboratory coat or protective work clothing.

Respiratory Protection: Use appropriate particulate respiratory protection where airborne powder exposure cannot be adequately controlled.

Hygiene Measures: Do not eat, drink, or smoke while handling. Wash thoroughly after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid powder
Appearance	White powder
Odour	Characteristic
Assay	98% specification; reported Complies
Particle Size	100% passes 80 mesh

Loss on Drying	1.02%
Sulphated Ash	1.3%
Water Solubility	Soluble
pH	Not available
Melting Point	Not available
Boiling Point	Not applicable or not established
Flash Point	Not established
Auto-Ignition Temperature	Not established
Decomposition Temperature	Not available
Bulk Density	Not available
Vapour Pressure	Not established
Flammability	Not determined
Explosive Properties	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No substance-specific reactivity data provided.

Chemical Stability: Stability under particular storage and processing conditions has not been established by the supplied COA.

Conditions to Avoid: Excessive heat, moisture, and processing conditions that may degrade proteins.

Incompatible Materials: Strong oxidizing agents and other reactive chemicals should be avoided pending compatibility assessment.

Hazardous Decomposition Products: Thermal decomposition may produce carbon oxides and other irritating products.

Possibility of Hazardous Reactions: Not established.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: Data not available.

Acute Dermal Toxicity: Data not available.

Acute Inhalation Toxicity: Data not available.

Skin Irritation: Not determined.

Eye Irritation: Not determined.

Skin Sensitization: Not determined.

Respiratory Sensitization: Not determined.

Mutagenicity: Data not available.

Carcinogenicity: Data not available.

Reproductive Toxicity: Data not available.

Specific Target Organ Toxicity: Not determined.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Data not available.

Persistence and Degradability: Not determined.

Bioaccumulative Potential: Not determined.

Mobility in Soil: Not determined.

Other Adverse Effects: No supporting environmental test data supplied.

Avoid uncontrolled release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused material, contaminated packaging, and collected spills in accordance with applicable federal, provincial, and municipal regulations.

Do not discharge bulk quantities into drains or natural waterways.

SECTION 14: TRANSPORT INFORMATION

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

UN Proper Shipping Name

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

Transport hazard class(es)

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

Packing group, if applicable

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

Environmental hazards

ADR/RID: No

IMDG: No

IATA: No

Special precautions for user
no data available

Transport in bulk according to IMO instruments

no data available

SECTION 15: REGULATORY INFORMATION

Canada WHMIS: Hazard classification has not been verified.

Canadian Cosmetic Use: The suitability of this ingredient is used in Canadian cosmetics as cell-signaling proteins to support skin renewal, barrier repair, and collagen production.

INCI Name: sh-Oligopeptide-1.

CAS Number: 62253-63-8.

SECTION 16: OTHER INFORMATION

Prepared For: Botanic Planet Canada Inc.

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This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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