

# Material Safety Data Sheet

## 1. Identification of the Substance/Mixture and of the Company/Undertaking

|                                            |                                                                                                                                                   |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Product Name                            | Bio EGF                                                                                                                                           |
| Manufacturer                               | BJY Inc.                                                                                                                                          |
| B. Recommendations and Restrictions on Use | Cosmetic Ingredient                                                                                                                               |
| Recommendations on Use                     | Cosmetic Ingredient                                                                                                                               |
| Restrictions on Use                        | None                                                                                                                                              |
| C. Supplier Information                    |                                                                                                                                                   |
| Company Name                               | BJY Inc.                                                                                                                                          |
| Address                                    | #2101-2106, Venture Building, Chungnam Techno Park, 136 Jiksan-ro, Jiksan-eup, Seobuk-gu, Cheonan-si, Chungcheongnam-do, 31035, Republic of Korea |
| Emergency Phone Number                     | 070-4833-1410                                                                                                                                     |

## 2. Hazards Identification

|                                                                                |                                              |
|--------------------------------------------------------------------------------|----------------------------------------------|
| A. GHS Classification                                                          | Not applicable                               |
| B. GHS label Elements                                                          |                                              |
| Hazard Symbols                                                                 | Not applicable                               |
| Signal Words                                                                   | Not applicable                               |
| Hazard Statements                                                              | Not applicable                               |
| Precautionary Statements                                                       |                                              |
| 1) Prevention                                                                  | Not applicable                               |
| 2) Response                                                                    | Not applicable                               |
| 3) Storage                                                                     | Not applicable                               |
| 4) Disposal                                                                    | Not applicable                               |
| C. Other Hazards which do not Result in Classification : (NFPA Classification) |                                              |
| NFPA Grade(0~4 level)                                                          | Health : 0, Flammability : 0, Reactivity : 0 |

## 3. Composition/Information on Ingredients

|                       |                   |
|-----------------------|-------------------|
| A. Substance Name     | sh-Oligopeptide-1 |
| Synonym (Common Name) | hEGF              |
| Content               | 100%              |

#### 4. First Aid Measures

|                                                                                             |                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Eye Contact                                                                              | Do not rub your eyes.<br><br>Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.                                     |
| B. Skin Contact                                                                             | Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.<br>Wash contaminated clothing thoroughly before re-using. |
| C. Inhalation Contact                                                                       | When exposed to large amounts of steam and mist, move to fresh air.<br>Take specific treatment if needed.                                                         |
| D. Ingestion Contact                                                                        | Please be advised by doctor whether induction of vomit is demanded or not.<br>Rinse your mouth with water immediately                                             |
| E. Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure | Not available                                                                                                                                                     |
| F. Notes to Physician                                                                       | Notify medical personnel of contaminated situations and have them take appropriate protective measures.                                                           |

#### 5. Firefighting Measures

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Suitable (Unsuitable) Extinguishing Media   | Dry chemical, carbon dioxide, regular foam extinguishing agent, spray<br><br>Avoid use of water jet for extinguishing                                                                                                                                                                                                                                                                                                                                                                        |
| B. Specific Hazards Arising from the Chemical  | Not available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| C. Special Protective Actions for Firefighters | Move containers from fire area, if you can do without the risk.<br><br>In case of conflagration, use automatic fire sprinkler, Major fire may require withdrawal, allowing the object itself to burn.<br>Do not access if the tank on fire.<br><br>Use appropriate extinguishing measure suitable for surrounding fire.<br>Wear appropriate protective equipment.<br>Keep containers cool with water spray.<br><br>Vapor or gas is burned at distant ignition sources can be spread quickly. |

#### 6. Accidental Release measures

|                                                                        |                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Personal Precautions, Protective Equipment and Emergency Procedures | Ventilate closed spaces before entering.<br><br>Do not touch spilled material. Stop leak if you can do it without risk.<br>Move container to safe area from the leak area.<br>Remove all sources of ignition.<br>Do not direct water at spill or source of leak. |
| B. Environmental Precautions                                           | Prevent runoff and contact with waterways, drains or sewers.                                                                                                                                                                                                     |

If large amounts have been spilled, inform the relevant authorities.

- C. Methods and Materials for Containment and Cleaning Up
- Lage spill : Stay upwind and keep out of low areas. Dike for later disposal.
- Notification to central government, local government. When emissions at least of the standard amount.
- Dispose of waste in accordance with local regulation.
- Appropriate container for disposal of spilled material collected.
- Small leak : sand or other non-combustible material, please let use absorption.
- Wipe off the solvent.
- Dike for later disposal.

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## 7. Handling and Storage

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- A. Precautions for Safe Handling
- Avoid contact with incompatible materials.
- Comply with all applicable laws regulations for handling.
- Refer to Engineering controls and personal protective equipment.
- Operators should wear antistatic footwear and clothing.
- Do not inhale the steam prolonged or repeated.
- B. Conditions for Safe Storage, Including any Incompatibilities
- Do not apply direct heat.
- Avoid direct sunlight.
- Please pay attention to incompatibilities materials and conditions to avoid.
- No open fire.
- Prevent static electricity and keep away from combustible materials or heat sources.

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## 8. Exposure Controls and Personal Protective

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- A. Exposure Limits
- ACGIH TLV
- Not available
- OSHA PEL
- Not available
- B. Engineering Controls
- Business owner is recommended to maintain below recommended exposure limits for the working place with general exhaust of gas/vapor/mist/fume.
- C. Individual Protection Measures, such as Personal Protective Equipment
- Respiratory Protection
- Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use.
- Any chemical cartridge respirator with organic vapor cartridge(s).
- Any chemical cartridge respirator with a full facepiece and an organic vapor cartridge(s).
- Any air-purifying respirator with a full facepiece and an organic vapor

canister.

For Unknown Concentration or Immediately Dangerous to Life or Health : Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with full facepiece.

|                 |                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Protection  | Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield<br>Provide an emergency eye wash station and quick drench shower in the immediate work area. |
| Hand Protection | Wear appropriate glove                                                                                                                                                                                   |
| Skin Protection | Wear appropriate clothing                                                                                                                                                                                |
| Others          | Not available                                                                                                                                                                                            |

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## 9. Physical and Chemical Properties

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### A. Appearance

Appearance powder

Color White

B. Odor None

C. Odor Threshold Not available

D. pH 6.0 ~ 8.0

E. Melting Point/Freezing Point Not available

F. Initial Boiling Point/Boiling Ranges Not available

G. Flash Point Not available

H. Evaporation Rate Not available

I. Flammability (solid, gas) Not available

J. Upper/Lower Flammability of Explosive Limits Not available

K. Vapour Pressure Not available

L. Solubility Not available

M. Vapour Density Not available

N. Specific Gravity(Relative Density) Not available

O. Partition Coefficient of n-octanol/Water Not available

P. Autoignition Temperature Not available

Q. Decomposition Temperature Not available

R. Viscosity Not available

S. Molecular Weight 6221.98 g/mol

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## 10. Stability and Reactivity

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|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| A. Chemical Stability | This material is stable under recommended storage and handling conditions. |
|-----------------------|----------------------------------------------------------------------------|

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|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | ditions.                                                                                                                                         |
| B. Possibility of Hazardous Reactions | Hazardous polymerization will not occur.                                                                                                         |
| C. Conditions to Avoid                | Avoid contact with incompatible materials and condition.<br><br>Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces. |
| D. Incompatible Materials             | Not available                                                                                                                                    |
| E. Hazardous Decomposition Products   | May emit flammable vapour if involved in fire.                                                                                                   |

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## 11. Toxicological Information

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|                                                                                             |               |
|---------------------------------------------------------------------------------------------|---------------|
| A. Information on the Likely Routes of Exposure                                             |               |
| (Respiratory tracts)                                                                        | Not available |
| (Oral)                                                                                      | Not available |
| (Eye-Skin)                                                                                  | Not available |
| B. Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure |               |
| Acute Toxicity                                                                              |               |
| Oral                                                                                        | Not available |
|                                                                                             | Not available |
| Dermal                                                                                      | Not available |
| Inhalation                                                                                  | Not available |
| Skin Corrosion/Irritation                                                                   | Not available |
| Serious Eye Damage/Irritation                                                               | Not available |
| Respiratory Sensitization                                                                   | Not available |
| Skin Sensitization                                                                          | Not available |
| Carcinogenicity                                                                             |               |
| * IARC                                                                                      | Not available |
| * OSHA                                                                                      | Not available |
| * ACGIH                                                                                     | Not available |
| * NTP                                                                                       | Not available |
| * EU CLP                                                                                    | Not available |
| Germ Cell Mutagenicity                                                                      | Not available |
| Reproductive Toxicity                                                                       | Not available |
| STOT-Single Exposure                                                                        | Not available |
| STOT-Repeated Exposure                                                                      | Not available |
| Aspiration Hazard                                                                           | Not available |

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## 12. Ecological Information

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|                                  |                           |               |
|----------------------------------|---------------------------|---------------|
| A. Ecotoxicity                   |                           |               |
|                                  | Fish                      | Not available |
|                                  | Crustaceans               | Not available |
|                                  | Algae                     | Not available |
| B. Persistence and Degradability |                           |               |
|                                  | Persistence               | Not available |
|                                  |                           | Not available |
|                                  | Degradability             | Not available |
| C. Bioaccumulative Potential     |                           |               |
|                                  | Bioaccumulative Potential | Not available |
|                                  | Biodegradation            | Not available |
| D. Mobility in Soil              |                           |               |
| E. Other Adverse Effects         |                           |               |
| Not available                    |                           |               |

### 13. Disposal Considerations

|                                     |  |                                                                                                                                                                                                                                                                                                |
|-------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Disposal Method                  |  | <p>Sine more then two kinds of designated waste is mixed, it is difficult to treat separately, then can be reduction or stabilization by incineration or similar process.</p> <p>If water separation is possible, pre-process with water separation process</p> <p>Dispose by incineration</p> |
| B. Special Precautions for Disposal |  | <p>The user of this product must dispose by oneself or entrust it to a waste disposer, a person who recycles other's waste or establishes and operates waste disposal facilities.</p> <p>Dispose of waste in accordance with all applicable laws and regulations.</p>                          |

### 14. Transportation Information

|                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. UN No.(IMDG CODE/IATA DGR)                                                   |  | Not available                                                                                                                                                                                                                                                                                                                                                                  |
| B. Proper Shipping Name                                                         |  | Not available                                                                                                                                                                                                                                                                                                                                                                  |
| C. Hazard Class                                                                 |  | Not available                                                                                                                                                                                                                                                                                                                                                                  |
| D. IMDG CODE/IATA DGR Packing Group                                             |  | Not available                                                                                                                                                                                                                                                                                                                                                                  |
| E. Marine Pollutant                                                             |  | Not available                                                                                                                                                                                                                                                                                                                                                                  |
| F. Special Precautions for User Related to Transport or Transportation Measures |  | <p>Local transport follows inaccordance with Dangerous goods Safety Management Law.</p> <p>Package and transport follow in accordance with Department of Transportation (DOT) andother regulatory agency requirements.</p> <p>EmS FIRE SCHEDULE : Not available</p> <p>EmS SPILLAGE SCHEDULE : Not available</p> <p>Air transport(IATA) : Not subject to IATA retulations.</p> |

## 15. Regulatory Information

|                                                         |        |  |                |
|---------------------------------------------------------|--------|--|----------------|
| A. National and/or Interantional Regulatory Information |        |  |                |
| POPs Management Law                                     |        |  | Not Applicable |
| Information of EU Classification                        |        |  | Not Applicable |
| U.S. Federal Regulations                                |        |  |                |
| OSHA PROCESS SAFETY(29CFR1910.119)                      |        |  | Not Applicable |
| CERCLA Section 103(40CFR302.4)                          |        |  | Not Applicable |
| EPCRA Section 302(40CFR355.30)                          |        |  | Not Applicable |
| EPCRA Section 304(40CFR355.40)                          |        |  | Not Applicable |
| EPCRA Section 313(40CFR372.65)                          |        |  | Not Applicable |
| Rotterdam Convention Ingredients                        | Listed |  | Not Applicable |
| Stockholm Convention Ingredients                        | Listed |  | Not Applicable |
| Montreal Protocol Ingredients                           | Listed |  | Not Applicable |

## 16. Other Reference Information

### A. Data Source:

\* This MSDS has been prepared in accordance with Article 41 of the Occupational Safety and Health Act and Ministry of Employment and Labor Notification No. 2013-37 (Regulations on the Provision, etc. of Material Safety Data Sheets), taking into account the current status of relevant domestic regulations.  
 \* This MSDS has been prepared based on KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS, and other sources.

### B. Initial Creation Date: 2026. 01. 05

### C. Revision Version and Last Revision Date: Version 2.0 / 2026. 01. 05

### D. Others

The above information is based on data obtained at the current time and the company's research results. It should be used solely for reference purposes as a guide. The information in this document is intended to assist in the safe handling and use of the product and does not guarantee suitability or completeness for any specific purpose. It does not cover all possible situations that may arise during product handling, so relevant laws and safety guidelines must be complied with during use.

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