

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

▶ Product Code	EWG-CS01-PG-003
▶ Product Name	EWG-bFGF 10 ppm liposome
▶ Recommended use of the product	Skin Conditioning Agent
▶ Limitations on use of the product	None
▶ Manufactured by	Keyprogen Co., Ltd
Address	VentureTown Jangyoungsil 404, 105, Sinildong-ro, Daedeok-gu Daejeon, 34324, South Korea
Emergency Telephone Number	+82-42-861-7188

2. HAZARDS IDENTIFICATION

- ▶ Hazard-Risk Classification Skin Corrosion/Irritation : Category 2
 ▶ Label elements including precautionary statements

Symbol



Signal word

Warning

Hazard-Risk Statement

H315 Causes skin irritation.

Precautionary Statement

Prevention

P264 Wash thoroughly after handling.

Response

P280 Wear protective gloves/clothing and eye/face protection.

P302+P352 If on skin: Wash with plenty of water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash before reuse.

Storage

Not applicable

Disposal

Not applicable

- ▶ Other Hazard-Risk which are not included in the classification criteria (NFPA)

Health

1

Fire

1

Reactivity

0

3. COMPOSITION & INFORMATION ON INGREDIENTS

INCI Name	CAS No.	EINECS/ELINCS	Content (%)
Water	7732-18-5	231-791-2	82.079
Butylene Glycol	107-88-0	203-529-7	10.000
1,2-Hexanediol	6920-22-5	230-029-6	2.000
Caprylic/Capric Triglyceride	65381-09-1 73398-61-5	265-724-3 277-452-2	2.000
Hydrogenated Lecithin	308068-11-3 92128-87-5	295-786-7	2.000
Sodium Palmitoyl Sarcosinate	4028-10-8	223-705-7	1.900
Disodium EDTA	139-33-3 6381-92-6	205-358-3	0.020
sh-Polypeptide-1	-	-	0.001

4. FIRST AID MEASURES

- | | |
|-------------------------------|--|
| ▶ Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. |
| ▶ Skin contact | If on skin, wash with plenty of water. |
| ▶ Inhalation | Move to fresh air. |
| ▶ Ingestion | Immediately rinse mouth and drink plenty of water. |
| ▶ Other physician precautions | If skin irritation occurs: Get medical advice/attention. |

5. FIRE-FIGHTING MEASURES

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|--|---|
| ▶ Suitable(unsuitable) extinguishing chemicals | Use general extinguishing chemicals and water spray for digestion.
Use dry sand or earth for digestion. |
| ▶ Specific hazards arising from the chemical | Not applicable |
| ▶ Protective equipment and precautions for fire-fighting | Remove the container from the area where the fire occurred, if it is not dangerous.
Avoid the area, maintain the safety distance and extinguish fire.
Water, scattered when the container is heated or exploded, may burn the skin or eyes.
Cool containers with large amounts of water even after fire is extinguished. |

6. ACCIDENTAL RELEASE MEASURES

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|---|---|
| ▶ Measures and Protective Equipment to protect the human body | Stop the leak if it is not dangerous.
Wear protective gloves/clothing and eye/face protection. |
| ▶ Measures to protect the environment | Not applicable |
| ▶ How to clean or remove | Absorb spillage and clean contaminated areas with detergent and water. |

7. HANDLING AND STORAGE

- | | |
|------------------------|---|
| ▶ Safety Handling Tips | Wear protective gloves/clothing and eye/face protection.
Wash thoroughly after handling. |
| ▶ Safe storage | Store in a cool, dry place.
Keep tightly closed.
Use the product after heating when crystallized. |
| ▶ Shelf Life | 24 months from date of manufacture |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

- | | |
|---|--|
| ▶ Exposure standards for chemicals, Biological exposure standard. | |
| Domestic regulation | Not applicable |
| ACGIH regulation | Not applicable |
| Biological exposure standard | Not applicable |
| ▶ Appropriate engineering control | Establish the washing facilities near workplace. |
| ▶ Personal protective equipment | |
| Respiratory protection | Not applicable |
| Eye protection | Not applicable |
| Hands protection | Wear protective gloves. |
| Body protection | Not applicable |

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--------------|--------------------|
| ▶ Appearance | Ivory white liquid |
| ▶ Odor | Typical |

▶ Odor threshold	None
▶ pH (Neat)	6.50 ~ 8.00
▶ Melting point/Freezing point	-30 °C (Freezing point)
▶ Boiling point	> 150 °C
▶ Flashing point	> 200 °C
▶ Evaporation rate	None
▶ Flammability (solid, gas)	Not applicable
▶ Upper/lower limit of burning or explosion range	None
▶ Vapor pressure	None
▶ Solubility	None
▶ Vapor density	None
▶ Specific Gravity (d20/20)	None
▶ Refractive Index (n20/D)	1.330 ~ 1.390
▶ Partition coefficient n-octanol/water	None
▶ Auto ignition temperature	None
▶ Decomposition temperature	None
▶ Viscosity	None
▶ Molecular mass	None

10. STABILITY AND REACTIVITY

▶ Possibility of chemical stability and adverse reaction	Stable at normal temperature and pressure.
▶ Conditions to avoid	Some can be flammable but do not easily ignite. Prevent moisture. Keep this product out of the direct rays of the sun.
▶ Substances to avoid	Flammable material.
▶ Hazardous decomposition products	Not applicable

11. TOXICOLOGICAL INFORMATION

▶ Information on the likely routes of exposure	Not applicable
▶ Health hazards information	
Acute toxicity	
Oral	Not applicable
Dermal	Not applicable
Inhalation	Not applicable
Skin corrosive/irritant	Stimulating substances to cause recoverable damage on skin. (When exposed to max. 4 hours)
Serious eye damage/irritation	Not applicable
Respiratory sensitization	Not applicable
Skin sensitization	Not applicable
Carcinogenicity	
MOEL ¹⁾	Not applicable
IARC ²⁾	Not applicable
OSHA ³⁾	Not applicable
ACGIH ⁴⁾	Not applicable
NTP ⁵⁾	Not applicable
EU CLP ⁶⁾	Not applicable
Germ Cell Mutagenicity	Not applicable
Reproduction-toxicity	Not applicable
Specific target organ toxicity (Single exposure)	Not applicable
Specific target organ toxicity (Repeated exposure)	Not applicable
Aspiration hazard	Not applicable

- 1) MOEL : Ministry of Employment and Labor
- 2) IARC : International Agency for Research on Cancer
- 3) OSHA : Occupational Safety and Health Administration
- 4) ACGIH : American Conference of Governmental Industrial Hygienists
- 5) NTP : Normal temperature and pressure
- 6) EU CLP : EU Classification, Labelling and Packaging of substances and mixtures

12. ECOLOGICAL INFORMATION

- ▶ Aquatic and terrestrial ecotoxicity
 - Fish Not applicable
 - Crustacean Not applicable
 - Birds Not applicable
- ▶ Persistence and degradability
 - Persistence Not applicable
 - Degradability Not applicable
- ▶ Bioaccumulative potential
 - Condensability Not applicable
 - Biodegradable Not applicable
- ▶ Mobility in soil Not applicable
- ▶ Other adverse effects Not applicable

13. DISPOSAL CONSIDERATIONS

- ▶ Disposal method Not applicable
- ▶ Disposal precaution Not applicable

14. TRANSPORT INFORMATION

- ▶ HS Code 3824.99-9090
- ▶ This product is NOT classified as dangerous for IATA Transport.
- ▶ UN number Not applicable
- ▶ Proper shipping name Not applicable
- ▶ Hazard rating in transport Not applicable
- ▶ Container rating Not applicable
- ▶ Marine pollutants Not applicable
- ▶ Special safety measures that the user needs or needs to know about transportation.
 - Emergency measures in case of fire Not applicable
 - Emergency measures in case of leak Not applicable

15. REGULATORY INFORMATION

- ▶ Industrial Safety and Health Act Not applicable
- ▶ Toxic Chemical Control Act Not applicable
- ▶ Dangerous Material Safety Control Act Not applicable
- ▶ Wastes Management Act Not applicable
- ▶ Other requirements in domestic and other countries
 - Domestic requirements
 - Persistent organic pollutants Not applicable
 - Foreign requirements
 - U.S.A management information (OSHA) Not applicable
 - U.S.A management information (CERCLA) Not applicable

U.S.A management information (EPCRA 302)	Not applicable
U.S.A management information (EPCRA 304)	Not applicable
U.S.A management information (EPCRA 313)	Not applicable
U.S.A management information (Rotterdam Convention)	Not applicable
U.S.A management information (Stockholm Convention)	Not applicable
U.S.A management information (Montreal Protocol)	Not applicable
EU classify information (Confirmed classification result)	Not applicable
EU classify information (Danger words)	Not applicable
EU classify information (Safety words)	Not applicable

16. OTHER INFORMATION

- ▶ Source of material
 - Safety and reactive of physicochemical characteristic HSDDB, ILO-ICSC
 - Toxicological information OECD SIDS, NLM HSDDB, IARC
 - Ecological information ECOTOX, IUCLID
- ▶ First date created 2021.8.18.
- ▶ The number of revisions and the latest date
 - The number of revisions 0
 - The date of latest revision -
- ▶ Other Not applicable