

 Repligen Sweden AB	<i>Document ID</i> BUP-0234- 3.0	<i>Publish date</i> 2021-01-19
<i>Title</i> S�akerhetsdatablad f�or LONG EGF	<i>Author</i> Lars-Gunnar Ritz�en	<i>Approver</i> Anna �kesson
<i>English/Swedish title</i> MSDS for LONG EGF	<i>Department</i> Compliance - QA, Supply chain	

Material Safety Data Sheet

According to Regulations:
(EC) No 1907/2006
OSHA 29 CFR 1910.1200

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product name	LONG®EGF Freeze-dried product (FD)
Description	Freeze-dried preparation of a recombinant analog of human Epidermal Growth Factor (EGF)
CAS number	62229-50-9
Use of the substance/preparation	Laboratory chemical. Manufacture of substances. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.
Company/Undertaking Identification	Repligen Sweden AB S:t Lars v�ag 47 P.O. Box 965 SE-220 09 Lund Sweden + 46 (0)46 280 17 00
Emergency Telephone Number	Europe: + 46 (0)707 54 98 23 USA: + 1-800-622-2259

2. HAZARDS IDENTIFICATION

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 or OSHA 29 CFR 1910.1200

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% (w/w)
Analog of human epidermal growth factor EGF	62229-50-9	> 90
Water	7732-18-5	< 10
HCl	7647-01-0	< 0,1

4. FIRST AID MEASURES

Inhalation	If dust is inhaled, remove from contaminated area. Encourage patient to blow nose to ensure clear breathing passage. If irritation or discomfort persists seek medical attention.
Skin contact	In case of contact with skin, wash the affected area with soap and water. Should irritation occur, contact a physician.
Eye contact	In case of contact with eyes, flush thoroughly with water and contact a physician.
Ingestion	In case of accidental swallowing, rinse the mouth with fresh water provided the person is conscious. Contact a physician.

5. FIRE-FIGHTING MEASURES

Protection against Fire and Explosions	No special requirements
Suitable extinguishing media	Water spray, dry chemical powder or appropriate foam. Wear self-contained breathing apparatus and protective clothing. Avoid contact with skin or eyes
Unsuitable extinguishing media	None
Hazardous combustion products	None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see section 8
Methods for cleaning up	Carefully sweep up powder, place in a closed container and hold for waste disposal. Avoid raising dust. Wash area thoroughly after clean-up is complete.

7. HANDLING AND STORAGE

Handling	Avoid generating and breathing dust. Limit all unnecessary personal contact. Standard laboratory practices recommended.
Storage	1 mg: store at 2-8 °C. 20 mg: store at minus 20±5°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection	Safety glasses or goggles required.
Hand Protection	Wear general protective gloves, e.g. light weight rubber gloves.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practices.

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Title
S akerhetsdatablad f or LONG EGF**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance White, odorless crystalline powder
Solubility Partly soluble in water.

10. STABILITY AND REACTIVITY

Reactivity No data available.
Chemical stability This material is stable under normal conditions of use
Conditions to avoid No known
Incompatible materials No known
Hazardous Decomposition Products No known hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

Acute toxicity No known significant effect.
Irritation May be irritating to skin and eye
Sensitization No known significant effect
Carcinogenicity No known significant effect
Mutagenicity No known significant effect
Teratogenicity No known significant effect

12. ECOLOGICAL INFORMATION

Ecotoxicity The substance is readily biodegradable
EC₅₀ (Daphnia magna) > 100 mg/liter/48 h

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method All waste must be handled in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Transport Regulations The preparation is not subject to current regulations for transport of hazardous materials according to IATA, IMDG, DOT or ADR/RID/ADN

15. REGULATORY INFORMATION

The preparation is not classified as hazardous according to OSHA/SARA/CWA/CAA.
The preparation is not classified as hazardous according to (EC) No. 1272/2008

16. OTHER INFORMATION**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification.