

 Repligen Sweden AB	<i>Document ID</i> BUP-0233- 2.0	<i>Publish date</i> 2018-03-09
<i>Title</i> Säkerhetsdatablad för flytande LONG R3 IGF-I	<i>Author</i> Lars-Gunnar Ritzén	<i>Approver</i> Anna Åkesson
<i>English/Swedish title</i> MSDS for liquid LONG R3 IGF-I	<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/UNDERTAKING

Product name	LONG®R ³ IGF-I, Liquid product (LP)
Description	Aqueous preparation of a recombinant analog of human Insulin-like Growth Factor-I
CAS number	143045-27-6
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 väg 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 insulin-like growth factor IGF-I	143045-27-6	< 1
Acetic acid	64-19-7	< 1
Water	7732-18-5	> 98

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	Store at 2 - 8�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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Repligen Sweden AB

Title
S akerhetsdatablad f or flytande LONG R3 IGF-I**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear liquid
pH	3
Solubility	Mixes with 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 EC ₅₀ (Daphnia magna) > 100 mg/liter/48 h
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13. DISPOSAL CONSIDERATIONS

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