

Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Classification according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

| | |
|--|---|
| Product code | 100-11 |
| Product name | Recombinant Human IGF-I, PeptoTech® |
| Product identifier | 100-11-100UG, 100-11-1MG, 100-11-500UG |
| Unique Formula Identifier (UFI) | Not Applicable |
| Chemical Name | Not Applicable |
| REACH registration number | No registration number is given yet for this substance / substances in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired. |

Relevant identified uses of the substance or mixture and uses advised against

| | |
|---------------------------------|--|
| Relevant identified uses | For research use only |
| Use Description Code | SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen), PROC15 - Use as laboratory reagent, PC21 - Laboratory chemicals, SU24 - Scientific research and development |
| Uses advised against | Not for consumer use. |

Details of the supplier of the safety data sheet

Manufacturer / Supplier

LIFE TECHNOLOGIES EUROPE BV
KWARTSWEG 2
2665 NN BLEISWIJK
NETHERLANDS
31-(0)180 392 400
Email: MSDS@lifetech.com

Life Technologies Limited
3 Fountain Drive
Inchinnan Business Park
Paisley
PA4 9RF, UK
+44 (0)141 814 6100

Revision number 2
Product code 100-11

Revision date 15-Jan-2023
Product name Recombinant Human IGF-I, PeptoTech®

Emergency telephone number

24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident. Spill, Leak, Fire, Exposure, or Accident. Call CHEMTREC Within the USA + Canada: 1-800-424-9300 and 1-703-527-3887
Outside the USA + Canada: 1-703-741-5970

Country Specific Emergency Number (if available):

CHEMTREC Ireland (Dublin) +(353)-19014670 (Greeting Language: English and Irish)

CHEMTREC UK (London) +(44)-870-8200418 (Greeting Language: English)

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Physical hazards

Not Hazardous

Health hazards

Not Hazardous

Environmental hazards

Not Hazardous

Additional information

Not Applicable

Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

No Pictogram

Signal Word

None

Hazard Statements

Not Applicable

EU Specific Hazard Statements

Not Applicable

Precautionary Statements

Prevention

Not Applicable

Response

Not Applicable

Storage

Not Applicable

Revision number 2
Product code 100-11

Revision date 15-Jan-2023
Product name Recombinant Human IGF-I, PeptoTech®

Disposal

Not Applicable

Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

SECTION 3: Composition/information on ingredients**Mixtures**

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

SECTION 4: First aid measures**Description of first aid measures**

| | |
|---------------------------|---|
| Skin contact | Rinse skin with water. Immediate medical attention is not required. |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Inhalation | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. |
| Notes to Physician | Treat symptomatically. |

Most important symptoms and effects, both acute and delayed

Not Applicable

Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures**Extinguishing media**

| | |
|---------------------------------------|---|
| Suitable extinguishing media | Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical. |
| Unsuitable extinguishing media | No information available. |

Special hazards arising from the substance or mixture

Not known

Advice for firefighters

Standard procedure for chemical fires.

Revision number 2
Product code 100-11

Revision date 15-Jan-2023
Product name Recombinant Human IGF-I, PeptoTech®

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Always wear recommended Personal Protective Equipment

Use personal protection equipment

See section 8 for more information

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections

See section 8 for more information.

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Specific end use(s)

For research use only.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Limits Contains no substances with occupational exposure limit values.

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Exposure controls

Personal protection equipment

Respiratory protection In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

Eye protection Tight sealing safety goggles.

Skin and Body Protection Wear suitable protective clothing.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | | |
|---|--------------------|------------|
| Physical state | Lyophilized powder | |
| Colour | No data | |
| Odour | No data | |
| Molecular Weight | No data | |
| Melting point / melting range | °C No data | °F No data |
| Boiling point / boiling range | °C No data | °F No data |
| Flammability (solid, gas) | No data | |
| Lower explosion limit | No data | |
| Upper explosion limit | No data | |
| Flash point | °C No data | °F No data |
| Autoignition Temperature | °C No data | °F No data |
| Decomposition temperature | °C No data | °F No data |
| Evaporation rate | No data | |
| Viscosity | No data | |
| Solubility | No data | |
| Partition coefficient: n-octanol/water | No data | |
| Vapour Pressure | No data | |
| Specific gravity | No data | |
| Relative density | No data | |
| Vapour density | No data | |
| Explosive properties | No data | |
| Oxidising properties | No data | |
| Particle characteristics | No data | |

Other information

Information with regards to physical hazard classes

No information available

Other safety characteristics

No information available

SECTION 10: Stability and reactivity

| | |
|---|---|
| Reactivity | None known. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to avoid | No information available. |
| Incompatible materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | No data available. |

Revision number 2
Product code 100-11

Revision date 15-Jan-2023
Product name Recombinant Human IGF-I, PeprTech®

Information on hazard classes as defined in Regulation (EC) No 1272/2008

There is no evidence available indicating acute toxicity.

Principal Routes of Exposure

| | |
|--|---|
| Skin corrosion/irritation | Data are conclusive but insufficient for classification |
| Serious eye damage/irritation | Data are conclusive but insufficient for classification |
| Respiratory or skin sensitisation | Data are conclusive but insufficient for classification |
| Specific target organ toxicity (STOT) – single exposure | Data are conclusive but insufficient for classification |
| Specific target organ toxicity (STOT) – repeated exposure | Data are conclusive but insufficient for classification |
| Carcinogenicity | Data are conclusive but insufficient for classification |
| Germ cell mutagenicity | Data are conclusive but insufficient for classification |
| Reproductive Toxicity | Data are conclusive but insufficient for classification |
| Aspiration Hazard | Data are conclusive but insufficient for classification |

Information on other hazards**Endocrine disrupting properties**

No information available

Other information

No information available

SECTION 12: Ecological information

Toxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Mobility in soil No information available.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

Other adverse effects

No information available.

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

| | |
|-----------------------------------|----------------|
| UN number or ID number | Not Applicable |
| UN proper shipping name | Not Applicable |
| Transport hazard class(es) | Not Applicable |
| Packing group | Not Applicable |

Marine pollutant

No

Environmental hazards

Not Hazardous

Revision number 2
Product code 100-11

Revision date 15-Jan-2023
Product name Recombinant Human IGF-I, PeptoTech®

Special precautions for user

Not Applicable

Maritime transport in bulk according to IMO instruments

Not Applicable.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****Substances of Very High Concern**

None

Substance subject to authorisation per REACH Annex XIV

None

Restricted substances under EC 1907/2006, Annex XVII

None

Regulation (EC) No 649/2012 (Rotterdam Convention - export/import of dangerous chemicals)

None

Regulation (EU) No 2019/1021 (Stockholm Convention – persistent organic pollutants)

None

EU - Substances Depleting the Ozone layer (1005/2009)

None

German Water hazard classes (Wassergefährdungsklassen)

Not classified.

Other International Inventories

No information available

Chemical safety assessment

No Chemical safety assessment has been carried out.

Revision number 2
Product code 100-11

Revision date 15-Jan-2023
Product name Recombinant Human IGF-I, PeptoTech®

Reason for revision Update according to Commission Regulation EU No. 2020/878
Revision number 2
Revision date 15-Jan-2023

References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

Classification and procedure used to derive the classification for mixtures according to Regulation (EC)**1272/2008 [CLP]:**

Not classified

Abbreviations and acronyms**TWA** - Time-Weighted Average**OELs** - Occupational Exposure Limits**STEL** - Short Term Exposure Limit**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**KECL** - Korean Existing and Evaluated Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**CEPA** - Canadian Environmental Protection Act**EPA** - Environmental Protection Agency**OSHA** - Occupational Safety and Health Administration of the US Department of Labour**IATA** - International Air Transport Association**DOT** - Department of Transportation**IMDG** - International Maritime Dangerous Goods**ACGIH** - American Conference of Governmental Industrial Hygienists**NIOSH** - National Institute for Occupational Safety and Health**AIHA** - American Industrial Hygiene Association**HMIS** - Department of Defense Hazardous Materials Information System**NTP** - National Toxicology Program**IARC** - International Agency for Research on Cancer

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"

Revision number 2
Product code 100-11

Revision date 15-Jan-2023
Product name Recombinant Human IGF-I, PeproTech®