

SAFETY DATA SHEET

Revision Date: 12-03-18

1. Identification of the substance/mixture and of the company/undertaking

Product identifier: Deslorelin Acetate
Product Code:
CAS No.: 57773-65-6

Synonyms: Deslorelin, PPL-2043

Company: Polypeptide Laboratories
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2. Hazards Identification

2.1 Classification of the substance or mixture:

Reproductive toxicity: Category 1B

Special caution should always be taken in the handling of biologically active material

Wording of R-phrases and hazard statements – see section 16

2.2 Label elements:



Danger

Content: Deslorelin Acetate

H303: May be harmful if swallowed.

H316: May cause mild skin irritation.

H320: May cause eye irritation

H360: May impair fertility

P201: Obtain special instructions before use

P202: Don not handle until all safety instructions have been read and understood

P280: Wear protective gloves/protective clothing/eye protection/face protection

P308+P313: If exposed or concerned, get medical advice/attention.

P405: Store locked up.

P501: Dispose of contents/container

2.3 Other hazards which do not result in classification

None.

3. Composition/information on ingredients

Substances:

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.no.
100	Deslorelin	57773-65-6	Not Available.	Not Available.	Not Available.

Note:

Chemical Structure: pGlu-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-NHEt

CAUTION: May be harmful if swallowed, inhaled or absorbed through skin. The chemical, physical and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

4. First-aid measures

If swallowed, do not induce vomiting. Give large quantities of water to rinse out mouth thoroughly and get medical attention immediately. Never give anything by mouth to an unconscious person. Consult a physician.

In case of skin contact, wash exposed area with soap and water. Consult a physician if irritation develops.

If inhaled, remove to fresh air. If not breathing, give artificial respiration, consult a physician.

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Consult a physician.

5. Fire-fighting measures

Extinguishing Media:

Carbon dioxide, dry chemical powder or appropriate foam. Water spray.

Special fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosions hazards:

6. Accidental release measures

Wear full face respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Contain spillage; prevent further leakage if safe to do so. Do not let product enter drains. Sweep up the spill and collect in a bag for disposal according to local, state and federal regulations. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

Store at -20°C and protected from light.

Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Keep tightly closed. Store in a cool dry place.

8. Exposure controls/Personal protection

Wear appropriate NIOSH / MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Use only in a chemical fume hood. Safety shower and eye wash station. Wash thoroughly after handling.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day.

9. Physical and chemical properties

Appearance:	White to off white powder.
Odor:	Not determined.
Mol. Wt.:	1282.5 g/mol
pH (aqueous solution of 1 %):	Not determined.
Melting point/freezing point ($^{\circ}\text{C}$):	Not determined.
Initial boiling point and boiling range ($^{\circ}\text{C}$):	Not determined
Flash point ($^{\circ}\text{C}$):	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits (vol-%):	Not determined
Vapour pressure:	Not determined
Relative density:	Not determined

Solubility:	soluble in water and 1% aqueous acetic acid at a concentration of 1 mg/mL to give a clear, colorless solution.
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition (°C):	Not determined
Decomposition temperature (°C):	Not determined
Viscosity:	Not relevant
Explosive/oxidizing properties:	Not relevant
Purity :	≥98.5%
Other information:	
None relevant.	

10. STABILITY AND REACTIVITY

Reactivity:

No available information.

Chemical stability:

Stable under normal conditions (standard temperature and pressure). Combustible.

Possibility of hazardous reactions:

No known.

Conditions to avoid:

Strong heat, light and moisture.

Incompatible materials:

No known.

Hazardous decomposition products:

Combustion may produce oxides of carbon, nitrogen.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Toxicology studies : No data available

Safety pharmacology:: No data available

12. ECOLOGICAL INFORMATION

Toxicity:

No data available.

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

Results of PBT and vPvB assessment:

The substance is not considered PBT/vPvB according to criteria in Annex XIII.

Other adverse effects:

The environmental effects of the compound are sparsely described in literature.

13. DISPOSAL CONSIDERATIONS

Disposal should be according to Local, State and National Environmental Regulations. Dispose of through authorized facilities or pass on to chemical disposal company that can dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION

DOT (US): Shipped under ambient temperature as non-hazardous chemical.

UN-no.:	UN proper shipping name:	Transport hazard class(es):	Packing group:
Not Available.	Not Available.	Not Available.	Not Available.

Environmental hazards: None.

Special precautions for user: None.

15. REGULATORY INFORMATION

Data not available

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
Deslorelin	Deslorelin	57773-65-6	none
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Listed.
EC Inventory			Not Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Not Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.
New Zealand Inventory of Chemicals (NZIoC)			Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Not Listed.
Vietnam National Chemical Inventory			Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Not Listed.

16. OTHER INFORMATION

The information presented herein is believed to be accurate and representative of currently accepted technical literature. However, PolyPeptide Laboratories does not mean to imply its completeness or comprehensiveness. Therefore, we suggest the use of this information solely as a guide in the use and handling of this product, and further urge the user to determine the suitability of this material for any particular purpose. PolyPeptide Laboratories shall not be held liable for any damages resulting from sole reliance on this information.

Labels according to GHS:

Danger

H303: May be harmful if swallowed.

H316: May cause mild skin irritation.

H320 May cause eye irritation

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P201 Obtain special instructions before use

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Hazard statements mentioned in section 2 and 3:

H303: May be harmful if swallowed.

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Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

LD₅₀ = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

NFPA: H - 1 F - ND S - ND O - ND

ND - Not Determined.

Additional information:

Changes since the previous edition: Sect. 1,3