

# Safety Data Sheet



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## 1. Identification

<b>Product Identifier</b>	Sermorelin Acetate
<b>Other means of identification</b>	
<b>Internal item number</b>	82393-0507
<b>CAS number</b>	114466-38-5
<b>Chemical name</b>	29-L-Argininamide-30-de-L-glutamine-31-de-L-glutamine-32-deglycine-33-de-L-glutamic acid-34-de-L-serine-35-de-L-asparagine-36-de-L-glutamine-37-de-L-glutamic acid-38-de-L-arginine-39-deglycine-40-de-L-alanine-41-de-L-arginine-42-de-L-alanine-43-de-L-arginine-44-de-L-leucinamide Growth Hormone-releasing Factor, Acetate (salt), Hydrate 29-L-argininamide-30-de-L-glutamine-31-de-L-glutamine-32-deglycine-33-de-L-glutamic acid-34-de-L-serine-35-de-L-asparagine-36-de-L-glutamine-37-de-L-glutamic acid-38-de-L-arginine-39-deglycine-40-de-L-alanine-41-de-L-arginine-42-de-L-alanine-43-de-L-arginine-44-de-L-leucinamide-, Acetate(salt)
<b>Relevant use and restrictions:</b>	No information available.
<b>Application of substance:</b>	Active pharmaceutical ingredient.
<b>Manufacturer/Supplier information</b>	
<b>Company name</b>	Pharma Source Direct
<b>Address</b>	8591 Prairie Trail Drive, Ste C-600 Englewood, CO 80112
<b>Website</b>	www.pharmasd.com
<b>Emergency phone number</b>	Infotrac: 1-800-535-5053

## 2. Hazard(s) Identification

<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Not classified
<b>Environmental hazards</b>	Not classified
<b>OSHA defined hazards</b>	Not classified
<b>Label elements</b>	None
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<b>Signal word</b>	None
<b>Hazard statement</b>	Not available
<b>Precautionary statement</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazards not otherwise classified (HNOC)</b>	Not available.
<b>Supplemental information</b>	Not available.

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## 3. Composition/Information on Ingredients

### Substance

Chemical name	Common name and synonyms	CAS number	%
Sermorelin Acetate		114466-38-5	100

## 4. First-aid Measures

<b>Inhalation</b>	Remove from exposure and move to fresh air immediately. If unconsciousness occurs, seek immediate medical attention. Call for a doctor.
<b>Skin contact</b>	Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.
<b>Eye contact</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
<b>Ingestion</b>	Wash mouth out with water. Get medical aid and consult a doctor.
<b>Most important symptoms/effects, acute and delayed</b>	No symptoms.
<b>Indication of immediate medical attention and special treatment needed</b>	No additional measure required.
<b>General Information</b>	Not available.

## 5. Fire-fighting Measures

<b>Suitable extinguishing media</b>	CO2, extinguishing powder, or water spray. Flight larger fires with water spray or alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	Not available.
<b>Special protective equipment and precautions for firefighters</b>	Wear a self-contained breathing apparatus
<b>Fire fighting equipment/instructions</b>	Not available.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Not available.

## 6. Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Refer to section 8 of this SDS.
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## Methods and materials for containment and cleaning up

Vacuum or sweep up material and place into a suitable disposal container. Soak up with inert absorbent material. Clean contaminated surface thoroughly.

## Environmental precautions

No special measures required.

## 7. Handling and Storage

### Precautions for safe handling

Wash thoroughly after handling. Treat spill area with plenty of water. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Keep away from heat and sources of ignition. Avoid contact with skin and eyes.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry place. Store in a tightly closed container. Store at 2-8 deg C.

## 8. Exposure Controls & Personal Protection

### Occupational exposure limits

Not available.

### Exposure limit values

Not available.

### Biological limit values

Not available.

### Appropriate engineering controls

No further relevant information

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Tightly-sealed goggles

#### Skin protection

Compatible chemical-resistant gloves

#### Respiratory protection

NIOSH/MSHA-approved respirator

#### Thermal hazards

Not available.

### General hygiene considerations

Avoid contact with eyes and skin. Keep away from foodstuffs, beverage and feed. Immediately remove all soiled and contaminated clothing.

## 9. Physical and Chemical Properties

### Appearance

White or almost white powder.

### Odor

Not available.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

Not available.

### Flash point

Not available.

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not available.

### Upper/lower flammability or explosive limits

#### Flammability limit - lower (%)

Not available.

#### Flammability limit - upper (%)

Not available.

#### Explosive limit - lower (%)

Not available.

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<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Chemical family</b>	Peptides
<b>Molecular formula</b>	C149H246N44O42S
<b>Molecular weight</b>	3417.97

## 10. Stability and Reactivity

<b>Reactivity</b>	No unusual reactivity
<b>Chemical stability</b>	Stable under 2-8°C
<b>Possibility of hazardous reactions</b>	No hazardous conditions to avoid
<b>Conditions to avoid</b>	No data available
<b>Incompatible materials</b>	None known
<b>Hazardous decomposition products</b>	None known

## 11. Toxicological Information

### Information on likely routes of exposure

<b>Inhalation</b>	Knowledge about health hazard is incomplete.
<b>Skin contact</b>	Knowledge about health hazard is incomplete.
<b>Eye contact</b>	Knowledge about health hazard is incomplete.
<b>Ingestion</b>	Knowledge about health hazard is incomplete.
<b>Symptoms related to the physical, chemical, and toxicological characteristics</b>	Knowledge about health hazard is incomplete.
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	Knowledge about health hazard is incomplete.
<b>Skin corrosion/irritation</b>	Knowledge about health hazard is incomplete.
<b>Serious eye damage/eye irritation</b>	Knowledge about health hazard is incomplete.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Knowledge about health hazard is incomplete.
<b>Skin sensitization</b>	Knowledge about health hazard is incomplete.
<b>Germ cell mutagenicity</b>	Knowledge about mutagenicity is incomplete.
<b>Carcinogenicity</b>	Knowledge about carcinogenicity is incomplete.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Not available.	

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## OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not available.

## US. National Toxicology Program (NTP) Report on Carcinogens

Not not available.

<b>Reproductive toxicity</b>	Knowledge about health hazard is incomplete.
<b>Specific target organ toxicity - single exposure</b>	Knowledge about health hazard is incomplete.
<b>Specific target organ toxicity - repeated exposure</b>	Knowledge about health hazard is incomplete.
<b>Aspiration hazard</b>	Knowledge about health hazard is incomplete.
<b>Further information</b>	Not available.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not available.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	Not available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.
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## General information

It is the shipper's responsibility to determine the correct transport classification at the time of shipment.

## 15. Regulatory Information

### US federal regulations

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### Toxic Substances Control Act (TSCA)

##### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

##### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

##### SARA 304 Emergency release notification

Not regulated.

##### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Not regulated.

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

### US state regulations

#### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 16. Other Information

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## Disclaimer

The information in this SDS has been compiled from sources considered dependable but has not been independently verified. The company cannot guarantee the accuracy of information herein, and the statements contained should not be considered an official expression. The company will not assume liability for any loss, damage, and/or expense resulting from the use and/or misuse of this product in regards to handling, storage, and/or disposal.

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