



Trading & Distribution of Medical Supplies

## SAFETY DATA SHEET

# Helexier Scorpion Venom

Scorpion venom from Leiurus quinquestriatus, Aswan, Egypt

PRODUCT **HLX-VEN-LQ • Leiurus quinquestriatus • Aswan, Egypt**

### DOCUMENT CONTROL

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

### 1.1 Product identifier

|                         |                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| Product name            | Scorpion venom from Leiurus quinquestriatus, Aswan, Egypt                                                           |
| Synonym                 | none                                                                                                                |
| Product Code            | HLX-VEN-LQ-100 / HLX-VEN-LQ-BLK                                                                                     |
| Brand                   | Helexier medical solutions Scorpion Venom                                                                           |
| Appearance              | Powder                                                                                                              |
| Color                   | white to yellow                                                                                                     |
| Electrophoresis pattern | consistent with the reference venom on the certificate of analysis                                                  |
| Storage temperature     | 0 to 4 °C, protected from light                                                                                     |
| CAS No.                 | not available                                                                                                       |
| EC No.                  | not available                                                                                                       |
| REACH No.               | A registration number is not available for this substance, the substance or its uses are exempted from registration |

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

Identified uses: Laboratory chemicals, Manufacture of substances

Uses advised against: not a medicinal product; not for administration to humans or animals.

### 1.3 Details of the supplier of the safety data sheet

|              |                                                                                   |
|--------------|-----------------------------------------------------------------------------------|
| Company name | Helexier Solutions for Trading & Distribution of Medical Supplies                 |
| Cairo-Egypt  | Unit 40, The Courtyard, 12th District, Sheikh Zayed City, Giza Governorate, Egypt |
| Dubai-UAE    | 509 Latifa Towers, 5th Floor, Sheikh Zayed Road                                   |
| Tel. Egypt   | +20 1023 542 823                                                                  |
| Tel. UAE     | +971 58919 7557                                                                   |
| Tel. EU      | +49 1573 613 3210                                                                 |
| Mail         | sales@helexier-med.com                                                            |
| Web          | www.helexier-medical-solution.com                                                 |

### 1.4 Emergency telephone number

Emergency telephone, worldwide: +971 52746 6666

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

No test data are available for the routes of exposure on which acute toxicity is classified under that Regulation, namely oral, dermal and inhalation; see section 11.1. On the information available the substance does not meet the criteria for classification in any hazard class.

### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. No hazard pictogram, signal word, hazard statement or precautionary statement is required.

### 2.3 Other hazards

The substance is a venom. It is biologically active and is to be handled by trained personnel using the measures in sections 7 and 8, notwithstanding that it is not classified under Regulation (EC) No 1272/2008. Prolonged or repeated exposure may cause allergic reactions in sensitised individuals; see section 11.1.

No assessment against the criteria for PBT or vPvB substances in Annex XIII to Regulation (EC) No 1907/2006 has been performed; see section 12.5. Endocrine disrupting properties have not been assessed; see sections 11.2 and 12.6. No other hazards are known.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Crude whole scorpion venom from *Leiurus quinquestriatus*, unfractionated, with no excipients, carriers or preservatives. No components need to be disclosed according to the applicable regulations; see the certificate of analysis accompanying the batch.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

|                              |                                                                                |
|------------------------------|--------------------------------------------------------------------------------|
| If inhaled or if breathed in | move person into fresh air. If not breathing, give artificial respiration.     |
| In case of skin contact      | Wash off with soap and plenty of water.                                        |
| In case of eye contact       | Flush eyes with water as a precaution.                                         |
| If swallowed                 | Never give anything by mouth to an unconscious person. Rinse mouth with water. |

In all cases, obtain medical attention if symptoms develop, and show this safety data sheet to the attending physician.

### 4.2 Most important symptoms and effects, both acute and delayed

The substance is not classified and carries no hazard labelling, so no symptoms arise from the label elements in section 2.2. Prolonged or repeated exposure may cause allergic reactions in sensitised individuals; see section 11.1. No other symptoms or effects have been established for this product.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information

No data available

## SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing dust. For personal protective equipment see section 8.

#### 6.2 Environmental precautions

Do not let the product enter drains.

#### 6.3 Methods and material for containment and cleaning up

Take up dry, avoiding dust formation. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protective equipment see section 8. For disposal see section 13.

## SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on protection against fire and explosion: Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures: General industrial hygiene practice. Wash hands after handling. Do not eat, drink or smoke where the substance is handled.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Protect from light.

|                     |                                 |
|---------------------|---------------------------------|
| Storage temperature | 0 to 4 °C, protected from light |
| Storage class       | (TRGS 510): Combustible Solids  |

### 7.3 Specific end use(s)

No guidance beyond the identified uses in section 1.2 is available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No workplace exposure limits have been established for this substance. No derived no-effect level (DNEL) or predicted no-effect concentration (PNEC) has been derived, as no chemical safety assessment has been carried out; see section 15.2.

### 8.2 Exposure controls

Appropriate engineering controls: provide local exhaust ventilation where dust may be formed. Wash hands after handling.

Personal protective equipment:

**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374.

**Body protection:** Laboratory coat. Select body protection according to the task and the quantity handled.

**Respiratory protection:** Not required for normal handling. Where protection from nuisance levels of dust is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** Do not let the product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                         |                   |
|-----------------------------------------|-------------------|
| Physical state                          | solid             |
| Color                                   | white to yellow   |
| Odor                                    | No data available |
| Melting point/freezing point            | No data available |
| Initial boiling point and boiling range | No data available |
| Flammability (solid, gas)               | No data available |

Upper/lower flammability or explosive limits No data available

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Flash point                            | No data available                 |
| Autoignition, temperature              | No data available                 |
| Decomposition, temperature             | No data available                 |
| pH                                     | Reported on the batch certificate |
| Viscosity, kinematic                   | No data available                 |
| Viscosity, dynamic                     | No data available                 |
| Water solubility                       | Soluble (visual assessment)       |
| Partition coefficient, n-octanol/water | No data available                 |
| Vapor pressure                         | No data available                 |
| Density                                | No data available                 |
| Relative density                       | No data available                 |
| Relative vapor density                 | No data available                 |
| Particle characteristics               | No data available                 |
| Explosive properties                   | No data available                 |
| Oxidizing properties                   | No data available                 |

## 9.2 Other information

No information relevant to physical hazard classes or to other safety characteristics is available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under the recommended storage conditions in section 7.2.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

In the event of fire: see section 5



## SECTION 11: Toxicological information

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

Acute toxicity, scorpion venom from *Leiurus quinquestriatus*:

|                                                   |                   |
|---------------------------------------------------|-------------------|
| Oral                                              | No data available |
| Dermal                                            | No data available |
| Inhalation                                        | No data available |
| Skin corrosion/irritation                         | No data available |
| Serious eye damage/eye irritation                 | No data available |
| Germ cell mutagenicity                            | No data available |
| Carcinogenicity                                   | No data available |
| Reproductive toxicity                             | No data available |
| Specific target organ toxicity, single exposure   | No data available |
| Specific target organ toxicity, repeated exposure | No data available |
| Aspiration hazard                                 | No data available |

Respiratory or skin sensitization: prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Each batch is released against a venom potency specification determined in mouse, stated in product specification HLX-PS-0001 and reported for the delivered batch on the accompanying certificate of analysis. That value is a batch consistency measure. It is not a value for any of the routes of exposure on which acute toxicity is classified under Regulation (EC) No 1272/2008, and it is not used for classification in this document.

### 11.2 Information on other hazards

No data available on endocrine disrupting properties. No other hazards are known.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No PBT or vPvB assessment has been performed, as no chemical safety assessment has been carried out for this substance; see section 15.2.

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

|                        |                                                                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | Dispose of through a licensed waste disposal contractor, in accordance with local, regional and national regulations. Leave the substance in its original container and do not mix it with other waste. Do not let the product enter drains; see section 6.2. |
| Contaminated packaging | Treat as unused product.                                                                                                                                                                                                                                      |

The waste code is assigned by the waste holder according to the origin of the waste, under Commission Decision 2000/532/EC as amended.

## SECTION 14: Transport information

Not classified as dangerous goods within the meaning of the transport regulations ADR, RID, IMDG and IATA.

|                                                              |                                                                                                |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 14.1 UN number or ID number                                  | Not applicable                                                                                 |
| 14.2 UN proper shipping name                                 | Not applicable                                                                                 |
| 14.3 Transport hazard class(es)                              | Not applicable                                                                                 |
| 14.4 Packing group                                           | Not applicable                                                                                 |
| 14.5 Environmental hazards                                   | Not classified as environmentally hazardous for transport                                      |
| 14.6 Special precautions for user                            | None. Ship so as to maintain the storage condition in section 7.2.                             |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. The product is not supplied in bulk within the meaning of the IMO instruments. |

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The substance is not registered under Regulation (EC) No 1907/2006 (REACH); see the statement in section 1.1. It is not classified under Regulation (EC) No 1272/2008 (CLP); see section 2.1.

*Leiurus quinquestriatus* is not listed in the Appendices to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).

Export from Egypt and import into the destination territory remain subject to the customs and biological-material controls applicable at the time of shipment. The customer is responsible for holding the permits applicable at destination.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this substance.

## SECTION 16: Other information

This safety data sheet is compiled in accordance with Annex II to Regulation (EC) No 1907/2006, as replaced by Commission Regulation (EU) 2020/878.

The information in this safety data sheet corresponds to the best of our knowledge when printing. This information refers to the product in the delivery state.

The information provided here should describe the product with regard to the necessary safety precautions. They do not give rise to certain characteristics and do not establish a contractual legal relationship.

|                         |                                              |
|-------------------------|----------------------------------------------|
| Data sheet issuing area | Laboratory and Quality Management Department |
| Contact                 | Dagmar Zidek                                 |
| Version                 | 1.1, 2026-08-09                              |

### Abbreviations and acronyms

|        |                                                                                                                                                                         |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADR    | Accord européen relatif au transport international des marchandises dangereuses par route                                                                               |
| RID    | Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the international carriage of dangerous goods by rail) |
| IMDG   | International Maritime Dangerous Goods Code                                                                                                                             |
| IATA   | International Air Transport Association                                                                                                                                 |
| REACH  | Registration, evaluation, authorisation and restriction of chemicals, Regulation (EC) No 1907/2006                                                                      |
| CLP    | Classification, labelling and packaging, Regulation (EC) No 1272/2008                                                                                                   |
| CAS    | Chemical Abstracts Service (division of the American Chemical Society)                                                                                                  |
| EC No. | European Community number                                                                                                                                               |
| CITES  | Convention on International Trade in Endangered Species of Wild Fauna and Flora                                                                                         |
| DNEL   | Derived no-effect level                                                                                                                                                 |
| PNEC   | Predicted no-effect concentration                                                                                                                                       |
| PBT    | Persistent, bioaccumulative and toxic                                                                                                                                   |
| vPvB   | Very persistent and very bioaccumulative                                                                                                                                |
| LD50   | Lethal dose, 50 percent                                                                                                                                                 |
| TRGS   | Technische Regeln für Gefahrstoffe (German technical rules for hazardous substances)                                                                                    |
| NIOSH  | National Institute for Occupational Safety and Health (United States)                                                                                                   |

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