

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : *Helicoverpa gelatopoeon* lure  
Other means of identification : Cotton boll armyworm lure

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

Recommended use : Agricultural monitoring  
Restrictions on use : No other uses are recommended

#### 1.3. Supplier's details

Semiochem International (Pty) Ltd  
Portion 5, Erf 2640 New Industrial area,  
Tzaneen Limpopo  
South Africa

#### 1.4. Emergency telephone number

Emergency number : For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call CHEMTREC at 080 001 4676 (South Africa) and provide CCN 1021032  
Back-up Emergency Number: +44 20 3885 0382 (London, multilingual) +1-703-527-3887 (United States, answered in English, request other languages)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

#### 2.2. Label elements

Labelling according to the United Nations GHS

No labelling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                                      | Product identifier | %      | Classification according to the United Nations GHS                     |
|-------------------------------------------|--------------------|--------|------------------------------------------------------------------------|
| Polymer composed of modified polyisoprene | -                  | 90-100 | Not classified                                                         |
| Butylated hydroxytoluene (BHT)            | -                  | 0,1-1  | Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Cotton boll armyworm attractant blend     | -                  | <0,1   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335           |

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## Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

Comments : \*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. IF exposed or concerned: Get medical advice/attention. |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.                                                                                                                                                                                     |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.                                                                                                                                                          |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                                                                                                                                             |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center or a doctor if you feel unwell.                                                                                                                                          |

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

|                                     |                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  |
| Symptoms/effects after skin contact | : Not expected to present a significant skin hazard under anticipated conditions of normal use.        |
| Symptoms/effects after eye contact  | : Not expected to present a significant eye contact hazard under anticipated conditions of normal use. |
| Symptoms/effects after ingestion    | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.   |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                                         |
|--------------------------------|-------------------------------------------------------------------------|
| Suitable extinguishing media   | : Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or waterspray. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                      |

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

|                                                  |                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Fire hazard                                      | : No fire hazard.                                                                                     |
| Explosion hazard                                 | : No direct explosion hazard.                                                                         |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Thermal decomposition generates: Carbon oxides (CO, CO <sub>2</sub> ). |

#### 5.3. Advice for firefighters

|                                |                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Use extinguishing media appropriate for surrounding fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                                                                                                                                                                                                                                                                  |

# Helicoverpa gelatopoeon lure

## Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

### SECTION 6: Accidental release measures

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

|                                           |                                                                                                                                                                                                                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures                          | : Avoid all personal contact including breathing in the mist, spray, vapours. Do not take actions involving personal risks. Stop leak if safe to do so. Absorb spillage to prevent material damage. Notify authorities if product enters sewers or public waters.   |
| <b>6.1.1. For non-emergency personnel</b> |                                                                                                                                                                                                                                                                     |
| Protective equipment                      | : Wear recommended personal protective equipment.                                                                                                                                                                                                                   |
| Emergency procedures                      | : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Avoid breathing mist, spray, vapours. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Prevent other non-emergency personnel from entering the danger area. |
| <b>6.1.2. For emergency responders</b>    |                                                                                                                                                                                                                                                                     |
| Protective equipment                      | : Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".                                                         |
| Emergency procedures                      | : Evacuate unnecessary personnel. Do not touch spilled material. Stop leak if safe to do so. Ventilate spillage area. Prevent runoff from entering drains, sewers or waterways.                                                                                     |

#### 6.2. Environmental precautions

Avoid release to the environment. Do not let the product reach soil, drains, sewers, or surface and ground water.

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

|                         |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Stop leak without risks if possible. Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.                                                                                                                                                             |
| Methods for cleaning up | : Take up in non-combustible inert absorbent and place into container for disposal. Decontaminate surfaces and equipment with water and detergent. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. Notify authorities if product enters sewers or public waters. |

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                                   |                                                                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling     | : Ensure good ventilation of the work station. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid breathing mist, spray, vapours. Avoid contact with eyes, skin and clothing. |
| Hygiene measures                  | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.  |
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                                                                                           |

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

|                        |                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Storage conditions     | : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container tightly closed. Store in freezer. |
| Incompatible materials | : Oxidizing agents.                                                                                                                 |
| Packaging materials    | : Always store product in container of same material as original container.                                                         |

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Butylated hydroxytoluene (BHT)

##### South Africa - Occupational Exposure Limits (Airborne Pollutants)

|         |                      |
|---------|----------------------|
| OEL TWA | 10 mg/m <sup>3</sup> |
|---------|----------------------|

# Helicoverpa gelatopoeon lure

## Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

### Butylated hydroxytoluene (BHT)

|                      |                             |
|----------------------|-----------------------------|
| Regulatory reference | Government Notice No. R 904 |
|----------------------|-----------------------------|

### 8.2. Appropriate engineering controls

|                                  |                                                                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Environmental exposure controls  | : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.                                                                                                             |

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment.

|                          |                                                                                |
|--------------------------|--------------------------------------------------------------------------------|
| Hand protection          | : Nitrile rubber gloves                                                        |
| Eye protection           | : No special protection equipment recommended under normal conditions of use   |
| Skin and body protection | : Body protection should be chosen depending on activity and possible exposure |
| Respiratory protection   | : In case of insufficient ventilation, wear suitable respiratory equipment     |

### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| Physical state                                  | : Liquid                            |
| Appearance                                      | : Liquid impregnated into a device. |
| Colour                                          | : Multicolored                      |
| Odour                                           | : Waxy                              |
| Odour threshold                                 | : No data available                 |
| pH                                              | : No data available                 |
| pH solution                                     | : No data available                 |
| Relative evaporation rate (butylacetate=1)      | : No data available                 |
| Relative evaporation rate (ether=1)             | : No data available                 |
| Melting point                                   | : No data available                 |
| Freezing point                                  | : No data available                 |
| Boiling point                                   | : 116 – 132 °C / 240 - 269 °F       |
| Flash point                                     | : > 110 °C / > 230 °F               |
| Auto-ignition temperature                       | : No data available                 |
| Decomposition temperature                       | : No data available                 |
| Flammability                                    | : Not flammable                     |
| Vapour pressure                                 | : No data available                 |
| Vapour pressure at 50°C                         | : No data available                 |
| Relative vapour density at 20°C                 | : No data available                 |
| Relative density                                | : No data available                 |
| Relative density of saturated gas/air mixture   | : No data available                 |
| Density                                         | : 1,45                              |
| Relative gas density                            | : No data available                 |
| Solubility                                      | : No data available                 |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                 |
| Partition coefficient n-octanol/water (Log Kow) | : No data available                 |
| Viscosity, kinematic                            | : No data available                 |
| Viscosity, dynamic                              | : No data available                 |
| Explosive properties                            | : No data available                 |
| Oxidising properties                            | : No data available                 |
| Explosive limits                                | : No data available                 |
| Lower explosion limit                           | : No data available                 |
| Upper explosion limit                           | : No data available                 |

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## Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions. Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Incompatible materials.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| Butylated hydroxytoluene (BHT) |                         |
|--------------------------------|-------------------------|
| LD50 oral rat                  | > 6000 mg/kg bodyweight |
| LD50 dermal rat                | > 2000 mg/kg bodyweight |

Skin corrosion/irritation : Not classified

| Butylated hydroxytoluene (BHT)    |                   |
|-----------------------------------|-------------------|
| Skin corrosion/irritation, rabbit | Negative          |
| Skin corrosion/irritation, human  | Mildly irritating |

Serious eye damage/irritation : Not classified

| Butylated hydroxytoluene (BHT)        |                         |
|---------------------------------------|-------------------------|
| Serious eye damage/irritation, rabbit | Moderate eye irritation |

Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

| Butylated hydroxytoluene (BHT)              |                      |
|---------------------------------------------|----------------------|
| NOAEL (chronic, oral, animal/male, 2 years) | 25 mg/kg bodyweight  |
| IARC group                                  | 3 - Not classifiable |

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

# Helicoverpa gelatopoeon lure

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According to SANS 10234:2019 and SANS 11014:2010

### Cotton boll armyworm attractant blend

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| STOT-single exposure   | Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : Not classified                                                                  |
| Aspiration hazard      | : Not classified                                                                  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified.                                                                                                       |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified.                                                                                                       |

### Butylated hydroxytoluene (BHT)

|                      |             |
|----------------------|-------------|
| LC50 - Fish [1]      | > 0,57 mg/l |
| EC50 - Crustacea [1] | 0,48 mg/l   |
| EC50 72h - Algae [1] | > 0,4 mg/l  |
| LOEC (chronic)       | 1 mg/l      |
| NOEC (chronic)       | 0,023 mg/l  |

### 12.2. Persistence and degradability

#### Helicoverpa gelatopoeon lure

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### Butylated hydroxytoluene (BHT)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

#### Polymer composed of modified polyisoprene

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### Cotton boll armyworm attractant blend

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

#### Helicoverpa gelatopoeon lure

|                           |                                     |
|---------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |
|---------------------------|-------------------------------------|

### 12.4. Mobility in soil

#### Helicoverpa gelatopoeon lure

|                  |                                     |
|------------------|-------------------------------------|
| Mobility in soil | No additional information available |
|------------------|-------------------------------------|

### 12.5. Other adverse effects

|                       |                                       |
|-----------------------|---------------------------------------|
| Ozone                 | : Not classified                      |
| Other adverse effects | : No additional information available |

# Helicoverpa gelatopoeon lure

## Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

|                                            |                                                                                                                                            |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations. Dispose of in accordance with applicable federal, state, and local regulations. |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                              |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                 |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations. Dispose in a safe manner in accordance with local/national regulations.         |
| Ecological waste information               | : Avoid release to the environment.                                                                                                        |
| Additional information                     | : Do not re-use empty containers.                                                                                                          |

### SECTION 14: Transport information

In accordance with SANS / UN RTDG / IMDG / IATA

| SANS                                    | IMDG          | IATA          |
|-----------------------------------------|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |
| Not regulated for transport             |               |               |
| <b>14.2. Proper Shipping Name</b>       |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |
| Not regulated                           | Not regulated | Not regulated |
| No supplementary information available  |               |               |

#### 14.6. Special precautions for user

##### SANS

Not regulated

##### IMDG

Not regulated

##### IATA

Not regulated

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. National regulations

##### 15.1.1. OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

#### Prohibited Hazardous Chemical Agents

Not regulated

# Helicoverpa gelatopoeon lure

## Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

### 15.1.2. National Environmental Management Act, 1998

|                                                                           |
|---------------------------------------------------------------------------|
| Regulation No. 51358 (Prior Informed Consent Procedure Regulations, 2024) |
| Not regulated                                                             |

### 15.2. Safety, health, and environmental national regulations specific for the product

No additional information available

## SECTION 16: Other information

Issue date : 2026/05/28

| Full text of H-statements |                                                      |
|---------------------------|------------------------------------------------------|
| H315                      | Causes skin irritation                               |
| H319                      | Causes serious eye irritation                        |
| H335                      | May cause respiratory irritation                     |
| H400                      | Very toxic to aquatic life                           |
| H410                      | Very toxic to aquatic life with long lasting effects |

Safety Data Sheet (SDS), South Africa

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.