



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

1.1 Product identifier

Trade name: Nattaro Scout™ bed bug lure

1.2 Relevant identified uses of the mixture and uses advised against

Relevant identified uses Bed bug attractant in Nattaro Scout monitoring trap
For indoor use only.

Uses advised against: The product should only be used for purposes as stated above

1.3 Details of the supplier of the safety data sheet

Supplier: Nattaro Labs AB

Address: Medicon Village
Scheelevägen 2
223 63 Lund
SWEDEN

Telephone +46 (0) 46 149 300

E-mail: info@nattarolabs.com

1.4 Emergency telephone number

For Europe, call 112.

2. Hazards identification

2.1 Classification of the mixture according to Regulation (EC) No 1272/2008 [CLP]

The product is not classified according to the regulation.

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

Hazard pictograms and signal words:

Not applicable

Hazard statements:

Not applicable

Precautionary statements:

Not applicable

Supplemental hazard information:

For professional use only.
EUH208 – Contains (E)-2-hexenal. May produce an allergic reaction.

2.3 Other hazards

PBT-substance: No



| | |
|---------------------------------|---|
| vPvB-substance: | No |
| Adverse physiochemical effects: | No known effects. |
| Adverse human health : | Contains (E)-2-hexenal. May produce an allergic reaction. |
| Adverse environmental effects: | No known effects. |

3. Composition/information on ingredients

3.1 Mixtures

| <i>Substance</i> | <i>CAS-no</i> | <i>Concentration</i> | <i>Classification of the substance according to Regulation (EC) No 1272/2008</i> |
|------------------|---------------|----------------------|--|
| 2-hexanone | 591-78-6 | <0,1% | Flam. Liq. 3, H226 STOT SE 3, H336 Repr. 2; H361f STOT RE 1; H372 (lungs) |
| (E)-2-hexenal | 6728-26-3 | <0,1% | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal); H311 Skin Sens. 1, H317 |
| Gelatine | 9000-70-8 | 1-3% | Not classified |

For full text of H- and EUH-phrases: see SECTION 16.

4. First aid measures

4.1 Description of first aid measures

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Do NOT induce vomiting. No oral intake and do not put anything in the mouth of an unconscious person. Consult a physician and show this safety sheet.

If inhaled: If inhalation gives signs of discomfort, fresh air and rest is recommended.

In case of skin contact: Wash off with soap and lukewarm water.

In case of eye contact: Rinse thoroughly with plenty of lukewarm water for at least 15 minutes (remove any contact lenses) and consult a physician



4.2 Most important symptoms and effects, both acute and delayed

Symptom: No available data.

4.3 Indication of any immediate medical attention and special treatment needed

Special treatment: No available data

5. Firefighting measures

5.1 Extinguishing media

The product is not flammable. Choice of extinguishing media should be based on other materials in the premises.

5.2 Special hazards arising from the substance or mixture

No available data.

5.3 Advice for fire-fighters

General procedures for firefighting and evacuation apply.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal protection: Avoid contact and exposure to skin and eyes. Use protective gloves, glasses and clothing if you need to handle the substance.

6.2 Environmental precautions

General measures: Restrict the area in order for possible spillage not to reach wells, sewers or directly into the external environment.

6.3 Methods and materials for containment and cleaning up

No available data

7. Handling and storage

7.1 Precautions for safe handling

Avoid direct skin contact with the content of the cup. If that happens wash hands if you have been into direct contact with the bed bug lure, i.e. the contents of the cup. If you need to handle spilled content use protective gloves.

7.2 Conditions for safe storage, including any incompatibilities

The product should be kept in the original container and package at temperatures between 4-8 °C (refrigerator).

8. Exposure controls/personal protection

This section is intended for professional use and exposure to professional users.

**8.1 Control parameters**

8.1.1 National or occupational exposure limits, 2-hexanone

National exposure limits: YES, see table below

Indicative EU exposure limits: NO

National exposure limits, EU member states

| Country | Limit type | Value |
|---------|---|---------------------------------|
| Austria | Limit value, 8h | 5 ppm or 21 mg/m ³ |
| | Short term limit value | 20 ppm or 84 mg/m ³ |
| Belgium | Limit value, 8h | 5 ppm or 21 mg/m ³ |
| | Short term limit value | 10 ppm or 42 mg/m ³ |
| Denmark | Limit value, 8h | 1 ppm or 4 mg/m ³ |
| | Short term limit value | 2 ppm or 8 mg/m ³ |
| Estonia | Limit value, 8h | 1 ppm or 4 mg/m ³ |
| | Short term limit value, average 15 min. | 2 ppm or 8 mg/m ³ |
| Finland | Limit value, 8h | 5 ppm or 21 mg/m ³ |
| | Short term limit value, average 15 min | 10 ppm or 42 mg/m ³ |
| France | Limit value, 8h | 5 ppm or 20 mg/m ³ |
| | Short term limit value | 8 ppm or 35 mg/m ³ |
| Germany | Limit value, 8h | 5 ppm or 21 mg/m ³ |
| | Short term limit value | 40 ppm or 168 mg/m ³ |
| Hungary | Limit value, 8h | 21 mg/m ³ |
| | Short term limit value | 84 mg/m ³ |
| Ireland | Limit value, 8h | 5 ppm or 20 mg/m ³ |
| Poland | Limit value, 8h | 10 mg/m ³ |
| Romania | Limit value, 8h | 49 ppm or 200 mg/m ³ |
| | Short term limit value | 80 ppm or 300 mg/m ³ |
| Spain | Limit value, 8h | 5 ppm or 21 mg/m ³ |
| | Short term limit value | 10 ppm or 42 mg/m ³ |
| Sweden | Limit value, 8h | 1 ppm or 4 mg/m ³ |
| | Short term limit value, average 15 min. | 2 ppm or 8 mg/m ³ |
| UK | Limit value, 8h | 5 ppm or 21 mg/m ³ |



8.2 Exposure controls

Appropriate engineering controls

The working area should be well ventilated

Personal protective equipment

Eye and face protection

The bed bug lure is a gel. No risk of splash in eyes or on skin is foreseen.

Skin protection

Handle possible spilled content with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

The product is a gel contained in small units (cups with small opening on top). No risk for inhalation during handling is foreseen.

Environmental exposure controls

No data available

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Parameter | Value | Method /Comment |
|--|-----------------------|-----------------|
| Appearance | Opaque gel | |
| Colour | Colourless | |
| Odour | Faint, solvent-like | |
| pH | 3 - 7 | |
| Melting point | >28°C | |
| Viscosity | Not applicable | Semi-solid gel |
| Flammability | No data available | |
| Upper/lower flammability or explosive limits | No data available | |
| Density | 1.0 g/mL | |
| Solubility | Soluble in warm water | |
| Explosive properties | Not applicable | |
| Oxidising properties | Not applicable | |



9.2 Other information

No data available

10. Stability and reactivity

10.1 Reactivity

The product is stable under normal and recommended storage and handling.

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid frost and storage temperatures above 30°C.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

This section contains information for professionals within medicine, toxicology and work health aspects.

11.1.1 Acute toxicity:

No available product data.

Acute toxicity for individual components

| <u>Substance</u> | <u>Exposure</u> | <u>Species</u> | <u>Result</u> | <u>Method</u> | <u>Remark</u> |
|------------------|----------------------------|----------------|---|---------------|--|
| (E)-2-hexenal | Acute toxicity, oral | Rat | LD50 (oral): 780 mg/kg. Harmful if swallowed. | - | Source: MSDS raw material |
| (E)-2-hexenal | Skin | Rabbit | 24 h: Mild skin irritation | - | Toxic in to contact with skin May produce an allergic reaction. Source: MSDS raw material |
| 2-hexanone | Acute toxicity, oral | Rat | LD50 (oral): 2 590 mg/kg. | | Source: MSDS raw material |
| 2-hexanone | Acute toxicity, inhalation | Rat | LC50 (inhalation): 8 000 ppm - Toxic by inhalation | | May cause irritation in respiratory tract. Vapours may cause drowsiness and dizziness Source: MSDS raw material |
| 2-hexanone | Acute toxicity, dermal | Rabbit | LD50 (dermal): 4 800 mg/kg. Toxic by skin contact. | | May cause skin irritation. Source: MSDS raw material |



| | |
|----------------------------------|--|
| Skin corrosion/irritation | No available data. |
| Sensitisation | The product contains (E)-2 hexenal. May cause an allergic reaction. |
| Mutagenicity | No available data. |
| Carcinogenic | No available data. |
| Reproduction toxicity | The product contains 2-hexanone, suspected of being damaging to fertility. |
| Annex information: | No available data. |

12. ECOLOGICAL INFORMATION

Summary: No data on the material is available. Data given pertains to the individual components. The product is not classified as dangerous to the aquatic environment.

12.1 Toxicity

| <i>Substance</i> | <i>Study and exposure time</i> | <i>Result</i> | <i>Method</i> | <i>Remark</i> |
|------------------|---|-----------------|---------------|---------------------------|
| 2-hexenone | LC50 - Pimephales promelas (fathead minnow) - 428 mg/l - 96 h | LC50: 428 mg/l. | - | Source: MSDS raw material |

12.2 Persistence and degradability

Biodegradation: No available data.

Abiotic degradation: No available data.

12.3 Bio accumulative potential

log Kow- and/or BCF-value: No available data.

12.4 Mobility in soil

No available data.

12.5 Results of PBT and vPvB assessment

PBT-substance: Not applicable

vPvB-substance: Not applicable

12.6 Other adverse effects

No available data.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

13.1.1 Classification of waste

Hazardous waste **NO**

Waste disposal Dispose of lure and container as common household waste.



14. TRANSPORT INFORMATION

| | |
|---------------------------------|----------------|
| Dangerous goods | NO |
| 14.1 UN No. | Not applicable |
| 14.2 UN Proper shipping name | Not applicable |
| 14.3 Transport hazard class(es) | Not applicable |
| Hazard label(s) | Not applicable |
| 14.4 Packing group | Not applicable |
| 14.5 Environmental hazards | Not applicable |

15 REGULATORY INFORMATION

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

15.1.1 General regulations concerning safety, health and environment

Information on current legislation Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Regulation ((EC) No 1272/2008 on Classification, Labelling and Packaging (CLP).

15.2 Chemical Safety Assessment

Chemical Safety Assessment: Not needed according to Article 37 in Reach-regulation.

16. Other information

16.1 Revisions

| <i>Version</i> | <i>Changes</i> | <i>Date</i> |
|----------------|--|-------------|
| 1.0 | First edition, English language for EU member states | 22 May 2018 |

16.2 Abbreviations and acronyms

| | |
|------------------|---|
| BCF | Bioconcentration Factor |
| EC ₅₀ | Effect concentration to 50% of test population in aquatic environment |
| LC ₅₀ | Lethal Concentration to 50 % of a test population |
| LD ₅₀ | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| log Kow | Partition coefficient n-octanol /water |
| PBT | Persistent, Bio accumulative and Toxic substance |
| vPvB | Very Persistent and Very Bioaccumulative |
| Skin Corr. 1B | Corrosive on skin |
| H314 | Causes severe skin burns and eye damage |



| | |
|---|--|
| H226 | Flammable liquid and vapour |
| Acute toxicity, Oral (category 4), H302 | Harmful if swallowed |
| Acute toxicity, Skin (Category 3), H311 | Toxic in contact with skin |
| Skin sensitisation (Category 1), H317. | May cause an allergic skin reaction |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335. | May cause respiratory irritation |
| STOT SE/RE | Specific organ toxicity – single/repeated exposure |
| H336 | May cause drowsiness or dizziness |
| H361f | Suspected of damaging fertility |
| H372 | Causes damage to organs through prolonged or repeated exposure |

16.3 Other

The data in this Material Safety Data Sheet (MSDS) are based on our current knowledge and is intended to describe the product from a safety perspective. This MSDS cannot be regarded as a chemical product specification. The information is intended to be a guidance for safe handling, use, storage, transport and waste disposal and should not be interpreted as a guarantee or quality specification.

Data sources

The material safety data sheets of ingoing ingredients.

Regulation ((EC) No 1272/2008 on Classification, Labelling and Packaging (CLP) Table 3, Annex VI.

ECHA C&L-inventory.

GESTIS International Database on hazardous substances, available from Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung, web adress:

<http://www.dguv.de/ifa/index-2.jsp>.