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

1.1. Product identifier
Product form: Mixture
Product name: In2mix

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Main use category: Professional use

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
In2Care B.V.
Marijkeweg 22
6709 PG Wageningen - Netherlands
T +31 317 769018
info@in2care.org - www.in2care.org

1.4. Emergency telephone number
Emergency number: Hot line number have the produkt container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product (incl. health concerns, medical emergencies or pesticide incidents), you may call the National Pesticide Information Center at 1-800-858-7378, from 8:00 a.m. to 12:00 p.m. Pacific time Mon.-Fri. After 12:00 p.m. Pacific Time on weekdays, and during the weekend, call the pioson center at 1-800-222-1222

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
<th>Comment</th>
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</thead>
<tbody>
<tr>
<td>United States of America</td>
<td>National Pesticide Information Center</td>
<td>Oregon State University 310 Weniger Hall Corvallis, OR 97331-6502</td>
<td>1.800.858.7378</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Respiratory sensitisation, Category 1  H334
Skin sensitisation, Category 1  H317
Hazardous to the aquatic environment — Acute Hazard, Category 1  H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1  H410
Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP): GHS08 GHS09

Signal word (CLP): Warning
Hazardous ingredients: Beauveria bassiana
Hazard statements (CLP): H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H410 - Very toxic to aquatic life with long lasting effects.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear cold insulating gloves/face shield/eye protection.
P284 - Wear respiratory protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.

2.3. Other hazards
No additional information available
In2mix
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
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</thead>
<tbody>
<tr>
<td>2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine</td>
<td>(CAS-No.) 95737-68-1 (EC-No.) 429-800-1 (EC Index-No.) 613-303-00-3</td>
<td>74.03</td>
<td>Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
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<tr>
<td>Silicon Dioxide</td>
<td>(CAS-No.) 7631-86-9 (EC-No.) 231-545-4 (REACH-no) 01-2119379499-16</td>
<td>15.97</td>
<td>Not classified</td>
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<tr>
<td>Beauveria bassiana</td>
<td>(CAS-No.) 63428-82-0</td>
<td>10</td>
<td>Resp. Sens. 1, H334 Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water.... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.
# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

### Hygiene measures

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

- **Storage conditions**: Keep container closed when not in use. Store in dry, cool, well-ventilated area. Keep only in the original container in a cool, well ventilated place away from:
  - Strong bases.
  - Strong acids.
- **Incompatible materials**: Sources of ignition. Direct sunlight.

## 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

No additional information available

## 8.2. Exposure controls

### Personal protective equipment:

- Avoid all unnecessary exposure.
- **Eye protection**: Chemical goggles or safety glasses
- **Respiratory protection**: In case of inadequate ventilation wear respiratory protection.

### Other information:

- Do not eat, drink or smoke during use.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Off-white.</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6.46</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
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</tr>
<tr>
<td>Boiling point</td>
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</tr>
<tr>
<td>Flash point</td>
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<tr>
<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Vapour pressure</td>
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</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
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</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
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<tr>
<td>Solubility</td>
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<tr>
<td>Log Pow</td>
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</tr>
<tr>
<td>Viscosity, kinematic</td>
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</tr>
<tr>
<td>Viscosity, dynamic</td>
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<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

## 9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions.

10.2. Chemical stability
Not established.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Acute toxicity (oral) | Under the test conditions, the test substance In2Mix was classified as Category 5/Unclassified according to the GHS(Globally Harmonized Classification System for Chemical Substance and Mixtures) and the median lethal oral dose (LD50) for rats was considered higher than 2000 mg/kg bw. The estimated LD50 (cut off) was 5000 mg/kg bw. Acute Oral toxicity RATS OECD 423 |
| Acute toxicity (dermal) | Under the test conditions, the dermal median lethal dose (LD50) for the test In2Mix was found to be higher than 2000mg/kg bw. Acute dermal toxicity RATS OECD 402 |
| Acute toxicity (inhalation) | The acute inhalation LC50 for the substance In2Mix was considered to be greater than 1.514 mg/l. Acute inhalation toxicity RATS OECD 403 |

2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)

| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

Skin corrosion/irritation
According to the results, the substance In2Mix was considered not sensitizing to guinea pigs skin. SKIN sensitization GUINEA PIG OECD 406. Under the test conditions, the test substance In2Mix was not classified into the GHS categories and class IV by ANVISA. Acute dermal irritation/corrosion Rabbits OECD 404
pH: 6.46

Additional information
Based on available data, the classification criteria are not met

Serious eye damage/irritation
Not classified
pH: 6.46

Additional information
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation
May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Additional information
May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity
Not classified

Additional information
Based on available data, the classification criteria are not met

Carcinogenicity
Not classified

Additional information
Based on available data, the classification criteria are not met

Reproductive toxicity
Not classified

Additional information
Based on available data, the classification criteria are not met

STOT—single exposure
Not classified

Additional information
Based on available data, the classification criteria are not met

STOT—repeated exposure
Not classified

Additional information
Based on available data, the classification criteria are not met

Aspiration hazard
Not classified

Additional information
Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms
Under the test conditions, the test substance In2Mix was classified as Category 5/Unclassified according to the GHS(Globally Harmonized Classification System for Chemical Substance and Mixtures) and the median lethal oral dose (LD50) for rats was considered higher than 2000 mg/kg bw. The estimated LD50 (cut off) was 5000 mg/kg bw. Acute Oral toxicity RATS OECD 423. The acute inhalation LC50 for the substance In2Mix was considered to be greater than 1.514 mg/l. Acute inhalation toxicity RATS OECD 403. Under the test conditions, the dermal median lethal dose (LD50) for the test In2Mix was found to be higher than 2000mg/kg bw. Acute dermal toxicity RATS OECD 402.
**SECTION 12: Ecological information**

12.1. Toxicity

Ecology - water: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity: Very toxic to aquatic life.

Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.

2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (95737-68-1)

LC50 fish 1 96h: 0.45 mg/l Oncorhynchus mykiss (Rainbow trout)

EC50 Daphnia 1 48h: 0.4 mg/l

12.2. Persistence and degradability

May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Not established.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Avoid release to the environment.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations. hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special provision(s) applied: 375</td>
<td>Special provision(s) applied: 969</td>
<td>Special provision(s) applied: A197</td>
</tr>
</tbody>
</table>

14.1. UN number

3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1))

Environmentally hazardous substance, solid, n.o.s. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1))

UN 3077 Environmentally hazardous substance, solid, n.o.s. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1)), 9, III

14.3. Transport hazard class(es)

9 9 9
### 14.4. Packing group

| | III | III | III |

### 14.5. Environmental hazards

- Dangerous for the environment: Yes
- Dangerous for the environment: Yes
- Dangerous for the environment: Yes

Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg)

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

- Classification code (ADR): M7
- Excepted quantities (ADR): E1
- Packing instructions (ADR): P002, IBC08, LP02, R001
- Special packing provisions (ADR): PP12, B3
- Mixed packing provisions (ADR): MP10
- Portable tank and bulk container instructions (ADR): T1, BK1, BK2
- Portable tank and bulk container special provisions (ADR): TP33
- Tank code (ADR): SGAV, LGBV
- Vehicle for tank carriage: AT
- Transport category (ADR): 3
- Special provisions for carriage - Packages (ADR): V13
- Special provisions for carriage - Bulk (ADR): VC1, VC2
- Special provisions for carriage - Loading, unloading and handling (ADR): CV13
- Hazard identification number (Kemler No.): 90
- Orange plates: 90 3077
- Tunnel restriction code (ADR): E
- EAC code: 2Z

#### Transport by sea

- Stowage and handling (IMDG): SW23

#### Air transport

No data available

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

- Contains no REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances
- Directive 2012/18/EU (SEVESO III)

##### 15.1.2. National regulations

91720-1 EPA registration number

##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out
SECTION 16: Other information


Other information: None.

<table>
<thead>
<tr>
<th>Full text of H- and EUH-statements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
</tr>
<tr>
<td>Resp. Sens. 1</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
</tr>
<tr>
<td>H317</td>
</tr>
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<td>H334</td>
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<tr>
<td>H400</td>
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<td>H410</td>
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SDS EU (REACH Annex II)

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