

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

1.1. Product identifier

Product Name : In2mix
Product Form : Mixture
EPA Registration No. : 91720-1

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

1.2.1. Relevant identified uses

Insect Growth Regulator and Biologic Insecticide : For Professional Use Only

1.2.2. Uses advised against

No additional information available

1.3. Details of the Manufacturer

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 product 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 poison center at 1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Respiratory sensitisation Category 1 H334
Skin sensitization 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

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger
Hazardous ingredients : Beauveria bassiana
Hazard statements (CLP) : H317 - May cause an allergic skin reaction
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P284 - [In case of inadequate ventilation] wear respiratory protection
P302+P352 - IF ON SKIN: Wash with plenty of water
P102 - Keep out of reach of children
P405 - Store locked up

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2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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

Full text of H-phrases: 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 or doctor/physician.
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 soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see ... 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 persist.
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/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
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. Avoid (reject) fire-fighting water to enter 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.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

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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

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust/fume/gas/mist/vapors/spray.

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 :

Incompatible products : 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:

When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: Off-white.
Odor	: characteristic.
Odor threshold	: No data available
pH	: 6.46
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available

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Specific gravity / density	: 0.457 g/cm ³
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

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

fume. Carbon monoxide. Carbon dioxide.

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 sensitization	: 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

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Specific target organ toxicity – single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Specific target organ toxicity – 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.
Aquatic acute	: Very toxic to aquatic life.
Aquatic chronic	: 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

In2mix

Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

In2mix

Bioaccumulative potential	Not established.
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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

Additional information	: Avoid release to the environment
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: 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.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

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

ADR:	Special provision(s) applied : 375
IATA:	Special provision(s) applied : A197
IMDG:	Special provision(s) applied : 969

14.1. UN number

UN-No. (ADR)	: 3077
UN-No. (IMDG)	: 3077
UN-No. (IATA)	: 3077

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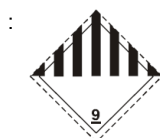
14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1))
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1))
Proper Shipping Name (IATA)	: Environmentally hazardous substance, solid, n.o.s. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1))
Transport document description (ADR)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1)), 9, III, (E)
Transport document description (IMDG)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1)), 9, III
Transport document description (IATA)	: 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)

ADR

Transport hazard class(es) (ADR)	: 9
Hazard labels (ADR)	: 9



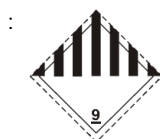
IMDG

Transport hazard class(es) (IMDG)	: 9
Hazard labels (IMDG)	: 9



IATA

Transport hazard class(es) (IATA)	: 9
Hazard labels (IATA)	: 9



14.4. Packing group

Packing group (ADR)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III

14.5. Environmental hazards

Dangerous for the environment	: Yes (Environmentally hazardous substances derogation applies (quantity of liquids \leq 5 litres or net mass of solids \leq 5 kg))
Marine pollutant	: Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids \leq 5 litres or net mass of solids \leq 5 kg))
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

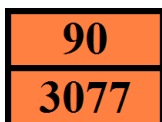
Classification code (ADR)	: M7
Special provision (ADR)	: 274, 335, 601, 375

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Limited quantities (ADR)	: 5kg
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	:



Tunnel restriction code (ADR) : E

- 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 REACH candidate substance

Contains no REACH Annex XIV substances.

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

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Resp. Sens. 1	Respiratory sensitisation Category 1
Skin Sens. 1	Skin sensitization Category 1
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H400	Very toxic to aquatic life

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H410	Very toxic to aquatic life with long lasting effects
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SDS EU (REACH Annex II)

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