

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 pionson center at 1-800-222-1222

Country	Organisation/Company	Address	Emergency number	Comment
United States of America	National Pesticide Information Center	Oregon State University 310 Weniger Hall Corvallis, OR 97331-6502	1.800.858.7378	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

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.

Precautionary statements (CLP) :

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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

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-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

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. 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.

In2mix

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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 eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/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:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Colour : Off-white.

Odour : characteristic.

Odour threshold : No data available

pH : 6.46

Relative evaporation rate (butylacetate=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.

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 0.457 g/cm³

Solubility : No data available

Log Pow : 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

9.2. Other information

No additional information available

In2mix

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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 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.

In2mix

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

In2mix

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

12.3. Bioaccumulative potential

In2mix

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

Additional information : Avoid release to the environment.

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	IMDG	IATA
Special provision(s) applied : 375	Special provision(s) applied : 969	Special provision(s) applied : A197
14.1. UN number		
3077	3077	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))	Environmentally hazardous substance, solid, n.o.s. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1))
Transport document description		
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1)), 9, III, (E)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine(95737-68-1)), 9, III	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

In2mix

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

		
---	---	---

14.4. Packing group

III

III

III

14.5. Environmental hazards

Dangerous for the environment : Yes

Dangerous for the environment : Yes
Marine pollutant : 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 : 

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

In2mix

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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, labelling 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-statements:	
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 sensitisation, 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.
H410	Very toxic to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable