



رقم التسجيل : DXB-AD-140-1777777
التاريخ : 04-01-2025

قطاع التنوع الغذائي
إدارة التنمية والصحة الزراعية

| مقيد | كيميائي | تسجيل مبيد |
|------|---------|--|
| | | مبيد صحة عامة (حشري) |
| | | تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية |
| | | الاسم التجاري للمبيد : Midos Energy Forte |
| | | بلد التسجيل : رومانيا |
| | | المواد الفعالة وتركيزها : Imidacloprid 24%, Deltamethrin 3.2%, Tetramethrin 0.1% |
| | | CAS RN : 138261-41-3,52918-63-5,7696-12-0 |
| | | صورة المستحضر : SC |
| | | حجم العبوة : 100,250,500 مليلتر |
| | | بلد (التسجيل/المنشأ) والشركة المنتجة : رومانيا - Sharda Europe BVBA |
| | | الشركة المحلية المستوردة : Ecovar Trading LLC |
| | | تاريخ إصدار الشهادة : 04-01-2025 |
| | | صالحة حتى : 30-12-2029 |
| | | ملاحظات : لا يوجد |

وجد مطابقا لنظام تسجيل المبيدات المتبع لديها وقد أعطيت له هذه الشهادة بناء على ذلك.

ملاحظات :

- يعاد تقييم المبيد كل خمس سنوات حتى يتم تجديد هذه الشهادة بعد ذلك.
- تلغى هذه الشهادة في حالة شطب أو سحب المبيد من قبل المنظمات والهيئات العالمية المختصة في تسجيل المبيد أو ثبت للوزارة تدهور المبيد أثناء فترة صلاحيته تحت الظروف البيئية للدولة أو ثبت أن لديه آثار جانبية ضارة

سددت الرسوم 3021.42 درهم

رقم إيصال الشهادة : 10434828488525520202

تاريخ إيصال الشهادة : 25-12-2024

مدير إدارة الشؤون البلدية

رمز التحقق : 283-2699



للتحقق من صحة بيانات هذا
المستند يرجى مسح الشيفرة
أو زيارة موقع الوزارة

To verify this document
please scan the QR code
or visit the ministry's website

هذا المستند معتمد إلكترونيا ولا يحتاج إلى توقيع أو ختم

This document is electronically approved and does not require signature or stamp

Precautionary Statements and Safety Recommendations:

- Use appropriate Personal Protective Equipments (PPE).
- Very toxic to aquatic life with long lasting effects
- Avoid release to the environment and do not allow the product to get washed to the drains, water bodies or watercourses.
- Do not apply the product at heavy wind or rain.
- Do not breathe gas/fumes/vapour/spray
- Wash hands and face with soap and water before food consumption or smoking.

البيانات التحذيرية وإرشادات السلامة:

- استخدم معدات الحماية الشخصية المناسبة
- سام جدا للأحياء المائية وله تأثير طويلة الأمد
- تجنب تلوث البيئة ومصارف ومصادر المياه
- تجنب استخدام المبيدات في حالة الرياح والأمطار الشديدة
- تجنب استنشاق غازات وبخرة وذرات وريزاز المبيدات
- غسل اليدين والوجه بالماء والصابون قبل الأكل أو التدخين

FIRST AID:

- If contact with skin, wash under running water. If contact with clothing, remove right away.
- If inhaled, remove the person out of the area.
- If contact with eyes, wash with a lot of clean water until relieved. If not, seek medical advice.
- If consumed by mouth, DO NOT induce vomiting. Seek medical attention immediately and bring packaging of the product.

الإسعافات الأولية:

- في حالة الاحتكاك بالجلد أغسل المناطق الملوثة بالماء الجارية وأخلع الملابس فوراً في حالة تلوثها
- في حالة الاستنشاق إنقل الشخص إلى خارج منطقة المبيد
- في حالة إصابة العينين اغسلها بالماء النقي وفي حالة عدم الشفاء يجب استشارة الطبيب
- في حالة الابتلاع تجنب التقيؤ الإجباري ويجب مقابلة الطبيب فوراً وعرض عبوة المبيد

STORAGE AND DISPOSAL

- Keep in a safe place and out of the reach of children.
- Do not reuse the packaging of the product and dispose of contents / container in accordance with local / regional / international regulations.
- Store the product tightly closed in original container, protected from sun and moisture, store in a well ventilated locked room at temperature (6°C to 30°C)
- Do not contaminate water, food or feed by storage or disposal.

التخزين والتخلص من المبيد:

- احتفظ بالمبيد في مكان آمن بعيداً من متناول الأطفال
- عدم استخدام عبوات المبيد الفارغة والتخلص من المبيد والعبوات حسب القوانين المحلية والإقليمية والعالمية في مواقع المعتمدة لذلك
- الاحتفاظ بالمبيد في عبوته الأصلية بعيداً من أشعة الشمس والرطوبة ويحفظ في غرفة جيدة التهوية بدرجة حرارة (30 °C - 6)
- يجب عدم تلوث الماء والمواد الغذائية عن طريق التخزين أو التخلص من المبيد

الضمان:

تضمن الشركة المنتجة ثبات المواصفات الكيميائية والفيزيائية لهذا المبيد وسلامة عبواته الأصلية طيلة فترة صلاحيته في ظروف التخزين العادي وتحت ظروف دولة الإمارات العربية المتحدة .

WARRANTY STATEMENT:

The manufacturer ensure the stability of the chemical and physical properties of this pesticide and safety of its original container during its validity period under the normal storage conditions under the climatic conditions of the United Arab Emirates.



PUBLIC HEALTH PESTICIDES مبيد صحة عامة

Active Ingredients:

| | |
|-------------------|---------|
| Imidacloprid | 24 % |
| Deltamethrin | 3.2 % |
| Tetramethrin | 0.1 % |
| Other ingredients | 72.7 % |
| Total | 100.0 % |

RESTRICTED USE PESTICIDE

Sale for and use only by certified Applicators or Persons under their direct supervision

المبيد مقيد الاستخدام

بيعه واستخدامه فقط بواسطة فنيين مرخصين أو من قبل اشخاص تحت اشرافهم المباشر

Moccae Registration Number:

رقم التسجيل بوزارة التغير المناخي والبيئة

Manufacturing Company

SHARDA EUROPE bvba
J.Mertensstraat 142, 1702 Dilbeek,
Romania
Local Distributer



إيكوفار للمتجارة

Tel: 97143663302

www.ecovargroup.com

Tel: 97143663302

www.ecovargroup.com

Quantity 250 ml
BATCH NO:
P. DATE:
E. DATE:

الكمية ٢٥٠ مل
رقم التشغيل:
تاريخ الانتاج:
تاريخ الانتهاء:

ميدوس إنيرجي فورتى: مبيد حشري ذو فعالية واسعة وقوة طرد وسقوط وقتل هائلة مع نشاط متبقي الأثر ويستخدم لمكافحة الحشرات الطائرة والزاحفة. مركب على هيئة مركز معلق (SC) وهو مركب مزدوج المفعول ويحتوي على إيميداكلوبريد ودلتامثرين وتيترامثرين.

الخواص الفيزيائية الكيميائية: صُنع منتج ميدوس إنيرجي فورتى كمركز معلق وعازل أبيض عديم الرائحة. إن المنتج غير قابل للاشتعال ولا يتأكسد أو ينفجر.

تُعطي تركيبة الإيميداكلوبريد والدلتامثرين والتيترامثرين المنتج مفعولاً واسعاً للسيطرة على أشكال مقاومة الحشرات للمجموعات الكيميائية الأخرى.

ما هو تأثير مادة الإيميداكلوبريد الفعالة؟ تُخل هذه المادة الوظائف الحيوية لمراكز الأعصاب لدى الحشرات الضارة بالكامل مما يؤدي إلى موتها بالنهاية. وتتمتع المادتين الفعالين، الدلتامثرين والتيترامثرين، بأثر صادم وطارد للحشرات؛ حيث أنهما يعملان كمنظف لتغذية الحشرات.

Midos Energy Forte, Broad-spectrum insecticide with remarkable killing power, excellent flushing out and knock down action, with good residual activity. Controls flying and crawling insects. It is formulated as (SC) double acting contains Imidacloprid, Deltamethrin & tetramethrin.

This combination gives the product a wide range of action, making it possible to control insecticide-resistant forms of other chemical groups.

The active substance -imidacloprid- disturbs irreversibly the vital functions of the nerve centers of harmful insects, ultimately leading to their death. The active substances: deltamethrin and etramethrin have an insect repellent and shock effect. as a nutritional inhibitor on insects.

DIRECTIONS FOR USE:

Midos Energy Forte: is very effective against Ants, Bed bugs, Blue or Green Bottle flies, Carpet beetles, Centipedes, Clothes moths, Clover mites, Cockroaches, Crickets, Darkling beetles, Earwigs, Flies, Fruit flies, Gnats, Hornets, House flies, Leather beetles, Midges, Millipedes, Moths, beetles, Thrid flies, fungus gnats, Silverfish, Sow bugs, Spiders, Wasps, Yellow jackets, in residential and industrial properties, schools, factories, stores, warehouses, hospitals, food processing facilities (non food/feed areas), and modes of transport.

Surface, Spot, Barrier, Perimeter, Crack and Crevice application:

| Pests | Application rate |
|---------------------------|------------------------------|
| Crawling & Flying insects | 2- 4 mL / L water, 10L/100m2 |

تعليمات الاستخدام:

ميدوس إنيرجي فورتى:

مبيد فعال لمكافحة النمل وحشرات الفراش والذباب الأخضر والأزرق وخنفساء السجاجيد والحريشة وعث الملابس والصراصير والجنادب والخنفاص وحشرة أبو مقص والذباب وذباب الفاكهة والبعوض والذبابير وذباب المنزل وخنفاص الجلد والبراغيث وألقة الأرجل والعت والخنفاص والسراقات والذباب الفطري وحشرة السمك الفضى وقمل الخشب والعناكب والذبابير ودبابير السترة الصفراء.

يُستخدم المنتج كعلاج يُرش على الأسطح أو في أصغر الثقوب والشقوق في المباني والمنشآت التي تشمل المدارس والمصانع والمتاجر والمستودعات والمستشفيات ومرافق تجهيز الطعام (غير الغذائي/المناطق التي تُجهز فيها الأعلاف) ووسائل النقل

يُستخدم كمبيد بيولوجي في الأغذية العامة والنظافة البيئية عن طريق الموظفين المصرح لهم (المهنيين)

1. معالجة الاسطح، والشقوق والفتحات والنقاط والحوارج:

| الآفة | معدل الاستخدام |
|--------------------------|--|
| الحشرات الزاحفة والطائرة | ٢-٤ مل / لتر ماء. ١٠ لتر / ١٠٠م ² |

SHARDA EUROPE b.v.b.a

MATERIAL SAFETY DATA SHEET

MIDOS ENERGY FORTE

(Imidacloprid 24% + Deltamethrin 3.2% + Tetramethrin 0.1% SC)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

Trade Name: **MIDOS ENERGY FORTE**

Product Name: **Imidacloprid 24% + Deltamethrin 3.2% + Tetramethrin 0.1% SC**

Product code: **SHA 3201 A**

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

1.2.1. Relevant identified uses:

Main category: Biocide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sharda Europe B.V.B.A-Romania

Josef Mertensstraat, No. 142, 1702 Dilbeek, Belgium

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302

Serious eye damage/eye irritation, Category 2 H319

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)



Signal word (CLP):

Hazardous ingredients:

Warning

imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)- 2,2-dimethylcyclopropanecarboxylate; Sodium dodecyl sulphate; ethanediol; ethylene glycol

Hazard statements (CLP):

H302 - Harmful if swallowed.

SHARDA EUROPE b.v.b.a

Precautionary statements (CLP): H319 - Causes serious eye irritation.
H410- Very toxic to aquatic life with long lasting effects.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.
P501 - Dispose of contents and container to a hazardous or special waste collection point.

EUH-statements: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards

No additional information available

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2 Mixtures

| Chemical name (trade name) | Function | CAS no. | g/L |
|----------------------------|-------------------|-------------|-------|
| Imidacloprid | Active substance | 138261-41-3 | 241.5 |
| Deltamethrin | Active substance | 52918-63-5 | 32.3 |
| Tetramethrin | Active substance | 7696-12-0 | 1.1 |
| Alkylarylpolyglycol ether | Dispersing agent | 104376-75-2 | 215.0 |
| Sodium dodecyl sulfate | Wetting agent | 151-21-3 | 54.5 |
| Xanthan gum | Thickening agent | 11138-66-2 | 0.5 |
| Ethylene glycol | Antifreeze | 107-21-1 | 35.0 |
| Sodium benzoate | Preservative | 532-32-1 | 3.5 |
| Tributyl phosphate | Defoaming agent | 126-73-8 | 6.5 |
| Water | Dispersion medium | 7732-18-5 | 410.1 |
| TOTAL | | | 1000 |

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: Move the affected person away from the contaminated area and into the fresh air. If not breathing, give artificial respiration. Call a doctor.

First-aid measures after skin contact: Remove contaminated clothes. After contact with skin, wash immediately and thoroughly with water and soap.

First-aid measures after eye contact: Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

First-aid measures after ingestion: Rinse mouth. Immediately call a POISON CENTER/doctor.

SHARDA EUROPE b.v.b.a

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

No additional information available

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: Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard: In case of fire and/or explosion do not breathe fumes.

Reactivity in case of fire: Product is not explosive.

Hazardous decomposition products: Carbon monoxide. Nitrogen oxides. Carbon dioxide. Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.

Firefighting instructions: Appropriate self-contained breathing apparatus may be required. Get the package away from the fire if this can be done without risk. Prevent fire fighting water from entering the environment.

Protection during firefighting: Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Do not allow material to contaminate surface water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). EN 166. Wear eye protection. Personal protective equipment. EN ISO 20345.

Emergency procedures: Evacuate personnel to a safe area.

6.1.2. For emergency responders

Protective equipment: Wear suitable hand, body and head protection.

6.2. Environmental precautions

Danger of pollution of drinking water when product enters the soil. Do not allow run-off from firefighting to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment: Label the container and provide warning statements to prevent any contact.

Methods for cleaning up: Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean spills promptly. Wash contaminated area with large amounts of water.

6.4. Reference to other sections

No additional information available

SHARDA EUROPE b.v.b.a

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Additional hazards when: Do not allow run-off from fire fighting to enter drains or water courses. Do not contaminate water with the product processed or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Precautions for safe handling: Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and shoes. Wash clothing and equipment after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ensure adequate ventilation, especially in confined areas. Store locked up.

Storage conditions: Keep only in original container. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Protect from sunlight.

Storage temperature: 0 – 30 °C

Packaging materials: Keep only in the original container in a cool, well-ventilated place away from combustible materials.

7.3. Specific end use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters

| ethanediol; ethylene glycol (107-21-1) | |
|---|---------------------------------|
| EU - Occupational Exposure Limits | |
| Local name | Ethylene glycol |
| IOELV TWA (mg/m ³) | 52 mg/m ³ |
| IOELV TWA (ppm) | 20 ppm |
| IOELV STEL (mg/m ³) | 104 mg/m ³ |
| IOELV STEL (ppm) | 40 ppm |
| Notes | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |

8.2. Exposure controls

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Eye protection:

EN 166. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Extra personal protection: P2 filter respirator for harmful particles. Extra personal protection: P3 filter respirator for toxic particles

SHARDA EUROPE b.v.b.a

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: No data available

Odour: No data available

Odour threshold: No data available

pH: No data available

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): No data available

Vapour pressure: No data available

Relative vapour density at 20 °C: No data available

Relative density: No data available

Solubility: No data available

Partition coefficient n-octanol/water

(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

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Heat. High temperature. Open flame. Direct sunlight.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SHARDA EUROPE b.v.b.a

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity (oral): Harmful if swallowed.

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

| MIDOS ENERGY FORTE | |
|---------------------------|--------------------------|
| ATE CLP (oral) | 834.711 mg/kg bodyweight |

| Imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine (138261-41-3) | |
|---|-------------------------|
| LD50 oral rat | ≈ 500 mg/kg bodyweight |
| LD50 dermal rat | > 5000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 5.33 mg/l/4h |

| Deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5) | |
|---|-------------------------|
| LD50 oral rat | 50 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | 0.6 mg/l/4h |

| Tetramethrin (7696-12-0) | |
|---------------------------------|-------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 5.63 mg/l/4h |

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute): Very toxic to aquatic life

Hazardous to the aquatic environment, long-term (chronic): Toxic to aquatic life with long lasting effects.

| Imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine (138261-41-3) | |
|---|---|
| LC50 fish 1 | 161 mg/l (96 h, Cyprinodon variegatus) |
| LC50 fish 2 | 0.0552 mg/l (24 h, Chironomus riparius) |
| EC50 Daphnia 1 | 85 mg/l (48 h, Daphnia magna) |
| EC50 other aquatic organisms 1 | 0.0012 mg/l (96 h, Cloeon dipterum) |
| EC50 72h algae (1) | > 10 mg/l (72 h, Scenedesmus subspicatus) |
| NOEC (chronic) | 0.000024 mg/l (28 d, Caenis horaria) |
| NOEC chronic fish | 9.02 mg/l (91 d, Oncorhynchus mykiss) |
| NOEC chronic crustacea | 1.8 mg/l (21 d, Daphnia magna) |

SHARDA EUROPE b.v.b.a

| Deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5) | |
|---|---|
| LC50 fish 1 | 0.26 μ g/l (96 h, Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 0.56 mg/l (48 h, Daphnia magna) |
| EC50 72h algae (1) | 0.02277 mg/l (72 h, Chlorella vulgaris)) |
| NOEC (chronic) | 0.0000041 mg/l (Daphnia magna) |
| Tetramethrin (7696-12-0) | |
| LC50 fish 1 | 3.7 μ g/l (96 h, Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 0.16 mg/l (48 h, Daphnia magna) |
| EC50 72h algae (1) | 0.25 mg/l (72 h, Pseudokirchneriella subcapitata) |

12.2. Persistence and degradability

| Imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine (138261-41-3) | |
|---|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5) | |
| Persistence and degradability | Not readily biodegradable. |

12.3. Bioaccumulative potential

| Imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine (138261-41-3) | |
|---|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.57 (21 °C) |
| Deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.6 (20 °C) |
| Tetramethrin (7696-12-0) | |
| Partition coefficient n-octanol/water (Log Pow) | > 4.09 (20 °C) |

12.4. Mobility in soil

| Imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine (138261-41-3) | |
|---|-------------------|
| Surface tension | 72.2 mN/m (20 °C) |
| Tetramethrin (7696-12-0) | |
| Surface tension | 55.3 mN/m (20 °C) |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste):

Product/Packaging disposal recommendation: Avoid release to the environment. Disposal must be done according to official regulations. Do not dispose of the packaging without first carrying out the necessary cleaning. Refer to manufacturer/supplier for information on recovery/recycling.

European List of Waste (LoW) code:

06 13 01* - inorganic plant protection products, wood preserving agents and other biocides.


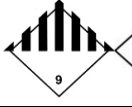
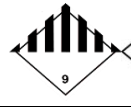

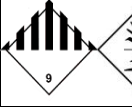
SHARDA EUROPE b.v.b.a

SECTION 14: TRANSPORT INFORMATION

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

| ADR | IMDG | IATA | ADN | RID |
|---|--|--|--|--|
| 14.1. UN number | | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin) |
| Transport document description | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate; Tetramethrin), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2- | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine; deltamethrin (ISO); (S)- α -cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2- |

SHARDA EUROPE b.v.b.a

| | | | | |
|---|---|---|---|---|
| | | | dimethylcyclopropanecarboxylate; Tetramethrin), 9, III | dimethylcyclopropanecarboxylate; Tetramethrin), 9, III |
| 14.3. Transport hazard class(es) | | | | |
| 9 | 9 | 9 | 9 | 9 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| III | III | 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 | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Classification code (ADR): M6

Special provisions (ADR): 274, 335, 375, 601

Limited quantities (ADR): 51

Excepted quantities (ADR): E1

Packing instructions (ADR): P001, IBC03, LP01, R001

Special packing provisions (ADR): PP1

Mixed packing provisions (ADR): MP19

Portable tank and bulk container instructions (ADR): T4

Portable tank and bulk container special provisions (ADR): TP1, TP29

Tank code (ADR): LGBV

Vehicle for tank carriage: AT

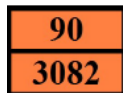
Transport category (ADR): 3

Special provisions for carriage - Packages (ADR): V12

Special provisions for carriage - Loading, unloading and handling (ADR): CV13

Hazard identification number (Kemler No.): 90

Orange plates :



Tunnel restriction code (ADR): -

Transport by sea

Special provisions (IMDG): 274, 335, 969

Limited quantities (IMDG): 5 L

Excepted quantities (IMDG): E1

Packing instructions (IMDG): LP01, P001

Special packing provisions (IMDG): PP1

SHARDA EUROPE b.v.b.a

IBC packing instructions (IMDG): IBC03
Tank instructions (IMDG): T4
Tank special provisions (IMDG): TP2, TP29
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-F
Stowage category (IMDG): A

Air transport

PCA Excepted quantities (IATA): E1
PCA Limited quantities (IATA): Y964
PCA limited quantity max net quantity (IATA): 30kgG
PCA packing instructions (IATA): 964
PCA max net quantity (IATA): 450L
CAO packing instructions (IATA): 964
CAO max net quantity (IATA): 450L
Special provisions (IATA): A97, A158, A197
ERG code (IATA): 9L

Inland waterway transport

Classification code (ADN): M6
Special provisions (ADN): 274, 335, 375, 601
Limited quantities (ADN): 5 L
Excepted quantities (ADN): E1
Equipment required (ADN): PP
Number of blue cones/lights (ADN): 0

Rail transport

Classification code (RID): M6
Special provisions (RID): 274, 335, 375, 601
Limited quantities (RID): 5L
Excepted quantities (RID): E1
Packing instructions (RID): P001, IBC03, LP01, R001
Special packing provisions (RID): PP1
Mixed packing provisions (RID): MP19
Portable tank and bulk container instructions (RID): T4
Portable tank and bulk container special provisions (RID): TP1, TP29
Tank codes for RID tanks (RID): LGBV
Transport category (RID): 3
Special provisions for carriage – Packages (RID): W12
Special provisions for carriage - Loading, unloading and handling (RID): CW13, CW31
Colis express (express parcels) (RID): CE8
Hazard identification number (RID): 90

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

SHARDA EUROPE b.v.b.a

Substances subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals: Imidacloprid (138261-41-3)
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants
Other information, restriction and prohibition regulations: according to Regulation (EU) 2015/830.

15.1.2. National regulations

Refer to protective measures listed in Sections 7 and 8

15.2. Chemical safety assessment

Refer to protective measures listed in Sections 7 and 8

SECTION 16: OTHER INFORMATION

| Classification according to Regulation (EC) No. 1272/2008 [CLP]: | |
|--|------|
| Acute Tox. 4 (Oral) | H302 |
| Eye Irrit 2 | H319 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 1 | H410 |

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 3 (Inhalation) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 2 | Specific target organ toxicity — Single exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |
| H371 | May cause damage to organs. |

SHARDA EUROPE b.v.b.a

| | |
|--------|---|
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH401 | To avoid risks to human health and the environment, comply with the instructions for use. |

Date of issue: 08.01.2021
Version: 0.0/EN
Replaces: –
Indication of changes: –