



DXB-AD-140-1265588 : رقم التسجيل
21-07-2019 : التاريخ

قطاع المجتمعات المستدامة
إدارة الشؤون البلدية

شهادة تسجيل مبيد حشري

مبيد حشري (حشري)

تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية

الاسم التجاري للمبيد : Draker 10.2

بلد التسجيل : إيطاليا

المواد الفعالة وتركيزها : Cypermethrin 10%, Tetramethrin 2%, Piperonyl Butoxide 10%

51-03-6, 7696-12-0, 52315-07-8 : CAS RN

صورة المستحضر : Concentrated Microencapsulated Insecticide

حجم العبوة : لتر 1

بلد (التسجيل/المنشأ) والشركة المنتجة : إيطاليا - Vebi Istituto Biochimico SRL

الشركة المحلية المستوردة : المبيدون للتجارة

تاريخ إصدار الشهادة : 21-07-2019 : صالحة حتى : 20-07-2024

ملاحظات : المبيد مقيد الاستخدام

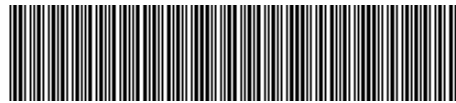
وجد مطابقاً لنظام تسجيل المبيدات المتبع لديها وقد أعطيت له هذه الشهادة بناء على ذلك.

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 3063.06 درهم

رقم إيصال الشهادة : 190051708963



DXB-AD-140-1265588

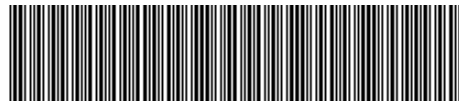
UNITED ARAB EMIRATES
MINISTRY OF CLIMATE CHANGE
& ENVIRONMENT



الإمارات العربية المتحدة
وزارة التغير المناخي
والبيئة

مدير إدارة الشؤون البلدية

تاريخ إيصال الشهادة : 16-06-2019



DXB-AD-140-1265588



vebi
Tech

RESTRICTED USE PESTICIDE

For retail sale and to use only by certified Application or persons under their direct supervision.

المبيد مقيد الإستخدام

ليبيعه و لإستخدامه فقط من قبل فنيين مرخصين أو تحت إشرافهم الفني المباشر.

Draker 10.2

Concentrated microencapsulated insecticide
For commercial, industrial, professional and domestic

دراكرا 10.2

مبيد حشري مركزى على شكل كبسولات مجهرية , للاستعمال التجاري, صناعي, مهني و منزلي

COMPOSITION: 100 grams of product contain:

Cypermethrin	10%
Tetramethrin	2%
Piperonyl Butoxide	10%
Formulates sufficient quantity for	100%

التركيب: 100 غرام من المركب تحتوي على

سايبرميثرين	%10
تترامترين	%2
بيرونيل بوتوكسيبايد	%10
مواد مكملة الى	%100

KEEP OUT OF REACH OF CHILDREN

يحفظ بعيدا عن متناول الأطفال

ضار

HARMFUL

MOCCAE Registration number

رقم التسجيل المبيد بوزارة التغير المناخي و البيئة

(1770)

Produced By:

VEBI ISTITUTO BIOCHIMICO SRL

Via Desman 43 - 35010

Borgoricco (PD) ITALY

Imported By:

Al Mobidoon Trading

United Arab Emirates, Dubai

P.O.Box 20527

الشركة المنتجة:

فيبي استيبيوتو بايوكيميكو س ر ل

فيا دسمان 43 - 35010

بورجوريكو (ب د) إيطاليا

الشركة المستوردة

المبيدون للتجارة

الامارات العربية المتحدة, دبي

ص.ب: 20527

Email: info@almobidoon.com

Net Contents 1 litre

المحتوى الصافي 1 لتر

الاسعافات الالوية

في حالة الابتلاع: اذا في حالة وعي المصاب يجب غسل الفم بالماء وعدم التشنج على التقيئ و يجب إستشارة الطبيب فوراً ويجب أخذ العبوة أو اللاصقة مع المصاب في حالة الاستنشاق: اخذ المصاب فوراً الى الخارج في الهواء الطلق و وضعة بوضعية لتسهيل عملية التنفس اذا لوحظ صعوبة في التنفس يجب إستشارة الطبيب

في حالة الملامسة مع الجلد: يجب ازالة اللباس من على منطقة التلوث وإغسل الجزء الملوث بالصابون و الماء الوفير. في حال وجود حساسية يجب إستشارة الطبيب

في حالة الملامسة مع العين: يجب غسل العين بالماء الوفير مع الحفاظ على جفون العين مفتوحة مع الاستمرار بالغسل. في وجود حساسية بالعين يجب إستشارة طبيب عيون

STORAGE AND DISPOSAL

This product to be stored in good condition inside the original packaging.
The empty container must not be released into the environment.

التخزين و التخلص من العبوات

يحتفظ هذا المبيد في عبواته الأصلية داخل مخزن جيد التهوية. عدم اعادة استعمال العبوات الفارغة لاية اغراض أخرى و التخلص من العبوات الفارغة حسب الانظمة و القوانين المحلية.

SHAKE CONTAINER WELL BEFORE USE

رج العبوة جيدا قبل الاستعمال

PRECAUTIONARY STATEMENTS

- Do not spray product into the air --spray on surfaces only.
- Do not contaminate food, drink or their containers during use.
- Avoid breathing spray and wash your hands if they have insecticide liquid on them.
- Do not use in concentrated form: follow the manufacturer indications.
- SHAKE CONTAINER WELL BEFORE USE.
- NOT FOR SALE LOOSE

التحذيرات.

- عدم رش المبيد في الهواء - فقط على المسطحات.
- يجب رج العبوة جيدا قبل الاستعمال -
- لا يباع بشكل مجزء -

FIRST AID

If Swallowed: wash the mouth with water only if the person is conscious do not induce vomiting seek medical advice immediately and show the container or label.

If Inhaled: take the patient to the open air and keep him in position facilitate breathing. If respiratory difficulties seek medical advice.

If on Skin: immediately remove contaminated clothes and wash the part concerned with plenty soap and water. In the event of irritation seek medical advice.

If in Eyes: rinse immediately and thoroughly with water keeping the eyelid open. Continue to rinse eyes. If the eye irritation persists, contact an optician.



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USES الاستخدامات

Sites الموقع	Pests الأفة	Use Rate معدل الاستخدام	SAFETY PERIOD فترة الأمان
المطابخ، الحمامات، الأماكن العامة Kitchens, Bathrooms, Public areas	الصرصور Cockroaches	10-30 مل / لتر ماء 10 - 30 ML/Lit of water	None
رش أماكن تواجد الحشرات مثل غرف النوم و الأماكن الأخرى All infested areas to be treated, like bedrooms etc.	بق الفراش، النمل، العناكب BEDBUGS, ANTS, SPIDERS.	5-10 مل/لتر ماء، للاسطح الغير ماصة 5-10 ML/Lit. Of water- on non-absorbent surfaces. 10-20 مل/لتر ماء للاسطح الماصة 10-20 ML/ Lit. Of water on absorbent surfaces.	None
رش أماكن نواجدها Treat all resting areas	الذباب، البعوض، الذبابير Flies, mosquitoes, wasp	10-30 مل/ لتر ماء 10-30 ML/ lit. of water	None

WARRANTY STATEMENT

Manufacturer guarantee the physical & chemical properties and the quality of the pesticide formulation has a minimum shelf life of 2 years from the manufacturing date when stored in the original, unopened container, under the weather conditions of UAE.

الضمان

تضمن الشركة المنتجة ثبات المواصفات الكيميائية و الفيزيائية لهذا المبيد و سلامته في عبواته الأصلية في التخزين العادي طيلة فترة صلاحية تحت ظروف دولة الامارات العربية المتحدة

P/Date:

E/Date:

تاريخ الانتاج

تاريخ الانتهاء

Batch No:

DIRECTION FOR USE

Indoors: Apply the insecticide solution using normal spray pumps, paying particular attention to the areas around the rooms' perimeter, skirting boards, corners and cracks, the back of furniture, kitchens, ovens, fridges, anywhere waste is kept, toilets and wherever insects are likely to be nesting or pass through. For flying insects, treat surfaces where they tend to set down.

If treating a farm, remove animals before treatment and vent the enclosures well before allowing the animals back in.

Outdoors: Apply on walls, windows, windowsills, eaves, hedges and anywhere waste is kept.

In order to prevent and discourage re-infestation of the interior, we recommend spraying about 1 metre up the perimeter walls of the buildings and, at the same time, spraying a 1-metre-wide strip of ground all around the buildings.

طريقة الاستخدام

في الأماكن الداخلية: لرش المبيد يجب استخدام مضخة

رش عادية و يجب التركيز على محيط الغرف و القطاء الخشبي في اسفل الحائط المتصل مع الأرض و الزوايا و الشقوق و خلف المغروشات و بالمطبخ خلف الأقران و التلاجات و حاويات القمامة و الحمامات في الأماكن تعشش الحشرات أو أماكن مرورها. للحشرات الطائرة يجب رش المسطحات و الماكن التي تقف عليها الحشرات.

في مزارع الحيوانات يجب اخراج جميع الحيوانات قبل الرش و إعادتها بعد اتمام عملية التهوية بشكل جيد

في الأماكن الخارجية: يتم رش الجدران و النوافذ واطرها

و مفضلاتها و أماكن تواجد النفايات. حتى يتم منع إعادة دخول الحشرات الى الاماكن الداخلية. لذلك ينصح برش جدران محيط المنزل وعلى ارتفاع متر من الارض و

بعرض متر



Safety Data Sheet

Draker 10.2

Safety Data Sheet dated 14/9/2020, version 3

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

1.1. Product identifier

Mixture identification:
Trade name: Draker 10.2

Authorization of Ministry of Health n° : Italian Ministry of health 19380

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

Recommended use:
Insecticide-Biocide
Uses advised against:
All uses not listed in the Recommended uses

1.3. Details of the supplier of the safety data sheet

Company:
VEBI ISTITUTO BIOCHIMICO SRL
Via Desman, 43 - 35010 Borgoricco (PD)
Tel. +39 049 9337111 - www.vebi.it

Competent person responsible for the safety data sheet:
info@vebi.it






1.4. Emergency telephone number

VEBI ISTITUTO BIOCHIMICO customer service: Tel.+39 0499337111
8:00-12:00- 13:00- 17:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2, Causes serious eye irritation.
-  Warning, Carc. 2, Suspected of causing cancer if inhaled.
-  Warning, Aquatic Acute 1, Very toxic to aquatic life.
-  Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:
No other hazards

Safety Data Sheet

Draker 10.2

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer if inhaled.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash the skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P391 Collect spillage.

Special Provisions:

None

Contains

tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl

2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards





SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.















3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 10% - < 12.5%	Piperonyl Butoxide	CAS: 51-03-6 EC: 200-076-7 REACH No.: 01-21195374 31-46-0000	 4.1/A1 Aquatic Acute 1 H400 M=1.  4.1/C1 Aquatic Chronic 1 H410 M=1.
>= 10% - < 12.5%	cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phe noxybenzyl (1RS,3RS;	Index number: CAS: 52315-07-8 EC: 257-842-9	 3.8/3 STOT SE 3 H335  4.1/A1 Aquatic Acute 1 H400 M=1000.

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Draker 10.2

	1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate		 4.1/C1 Aquatic Chronic 1 H410 M=1000.  3.1/4/Oral Acute Tox. 4 H302  3.1/4/Inhal Acute Tox. 4 H332
>= 1% - < 2.5%	tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate	Index number: 607-727-00-8 CAS: 7696-12-0 EC: 231-711-6	 3.6/2 Carc. 2 H351  3.1/4/Oral Acute Tox. 4 H302  3.8/2 STOT SE 2 H371  4.1/A1 Aquatic Acute 1 H400 M=100.  4.1/C1 Aquatic Chronic 1 H410 M=100.
>= 0.1% - < 0.25%	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	Index number: 603-085-00-8 CAS: 52-51-7 EC: 200-143-0 REACH No.: 01-21199809 38-15-XXXX	 3.8/3 STOT SE 3 H335  3.2/2 Skin Irrit. 2 H315  3.3/1 Eye Dam. 1 H318  4.1/A1 Aquatic Acute 1 H400 M=10.  3.1/4/Oral Acute Tox. 4 H302  3.1/4/Dermal Acute Tox. 4 H312

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Symptoms associated with exposure to pyrethroid compounds include skin and eye irritation, irritability to sound or touch, abnormal facial sensation, sensation of prickling, tingling, or creeping on skin, numbness, headache, dizziness, nausea, vomiting, diarrhea, salivation, and fatigue. At very high levels of exposure, muscle twitching and fluid accumulation in the lungs may occur.

Safety Data Sheet

Draker 10.2

Shortness of breath, blisters, welts, and hives are also noted with tetramethrin exposure. In mammals, tremor (T-syndrome) is the characteristic poisoning symptom with Tetramethrin.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

CO₂ or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:
direct water jets

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Do not inhale explosion and combustion gases.

Hazardous combustion products:

Carbon monoxide

Inorganic acid gases

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Wash with plenty of water.

Clear spills immediately

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

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Draker 10.2

Advice on general occupational hygiene:
Do not eat, drink or smoke when using this product.
Contaminated clothing should be changed before entering eating areas.
Wash hands after use

7.2. Conditions for safe storage, including any incompatibilities

Avoid temperatures > 40°C
Avoid light and sunlight exposure
Avoid Temperatures < 0°C
Keep away from food, drink and feed.
Incompatible materials:
See subsection 10.5
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

Piperonyl Butoxide - CAS: 51-03-6

Worker Industry: 3.875 mg/m³ - Consumer: 1.937 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 7.75 mg/m³ - Consumer: 3.874 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 222 06 - Consumer: 1.937 06 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 3.875 mg/m³ - Consumer: 1.937 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 27.7 mg/kg bw/day - Consumer: 13.888 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 55.5 mg/kg bw/day - Consumer: 27.776 mg/kg bw/day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 440 06 - Consumer: 220 06 - Exposure: Human Dermal - Frequency: Long Term, local effects

Worker Industry: 444 06 - Consumer: 220 06 - Exposure: Human Dermal - Frequency: Short Term, local effects

Consumer: 1.14 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 2.286 mg/kg bw/day - Exposure: Human Oral - Frequency: Short Term, systemic effects

PNEC Exposure Limit Values

Piperonyl Butoxide - CAS: 51-03-6

Target: Fresh Water - Value: 1.007 µg/L

Target: Marine water - Value: 100.7 ng/L

Target: Freshwater sediments - Value: 19.4 mg/kg

Target: Marine water sediments - Value: 1.94 mg/kg

cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate - CAS: 52315-07-8
Target: Fresh Water - Value: 1.0E-06 mg/l - Notes: assessment factor (10)

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Target: Freshwater sediments - Value: 1.25E-02 mg/Kgwwt - Notes: koc=575000

8.2. Exposure controls

For the choice of personal protection equipment, refer to the risk assessment carried out by the user in compliance with the national legislation on safety in the workplace.

Eye protection:

Hermetic protective goggles (UNI EN 166).

Protection for skin:

Wear category III professional long-sleeved work clothes and safety footwear (ref. Reg. (EU) 2016/425 and EN ISO 20344 standard). In the event that large quantities of product are used, type 6 (or greater) protective overalls (ref. UNI EN13034) are recommended.

Protection for hands:

UNI EN 374 (PF 3)

NBR (nitrile rubber).

PVC (polyvinyl chloride).

Respiratory protection:

Mask with filter "P", white colour

Thermal Hazards:

None

Environmental exposure controls:

Do not get into drains, soil or any water body

Place the product out of the reach of children, birds, pets, farm animals and other non-target animals.

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	Liquid, beige	Visual assessment	--
Odour:	Pungent	vebi 1	--
Odour threshold:	Not Relevant	--	--
pH:	4.8	Cipac MT 75.3	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	>100 °C	--	--
Flash point:	>100 °C ° C	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	Not Relevant	--	--
Vapour pressure:	Not Relevant	--	--
Vapour density:	Not Relevant	--	--
Relative density:	1.0- 1.1 g/ml	OECD 109	--

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Solubility in water:	Dispersible	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	Not Relevant	--	--
Viscosity:	500-1000 cps	--	--
Explosive properties:	Not explosive	--	--
Oxidizing properties:	Not oxidant	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	Not Relevant	--	--
Fat Solubility:	Not Relevant	--	--
Conductivity:	Not Relevant	--	--
VOC (Dir. 2010/75/CE):	Not Relevant	--	--
VOC (volatile carbon):	Not Relevant	--	--
Substance Groups relevant properties	Not Relevant	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions do not occur.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

Draker 10.2

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Test: Skin Irritant - Route: Skin Positive

Test: Skin Corrosive - Route: Skin Negative

c) serious eye damage/irritation

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The product is classified: Eye Irrit. 2 H319

Test: Eye Irritant - Route: Eyes Positive

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

The product is classified: Carc. 2 H351

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Piperonyl Butoxide - CAS: 51-03-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4570 mg/kg - Source: male

Test: LD50 - Route: Oral - Species: Rat = 7220 mg/kg - Source: female

Test: LD50 - Route: Skin - Species: Rabbit = 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 5.9 mg/l - Duration: 4h

b) skin corrosion/irritation:

Test: Eye Corrosive Negative

Test: Skin Corrosive Negative

Test: Skin Corrosive Negative

d) respiratory or skin sensitisation:

Test: Skin Sensitization Negative

f) carcinogenicity:

Test: Genotoxicity Negative

g) reproductive toxicity:

Test: Reproductive Toxicity Negative

cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS;

1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate - CAS: 52315-07-8

a) acute toxicity:

Test: LOAEL - Route: neurotoxicity - Species: Rat = 60 mg/kg/bw

Test: LD50 - Route: Oral - Species: Rat = 500 mg/kg/bw

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg/bw

Test: LC50 - Route: Inhalation - Species: Rat = 3.28 mg/l - Duration: 4h

Test: NOAEL - Route: neurotoxicity - Species: Rat = 20 mg/kg/bw

tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl

2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate - CAS: 7696-12-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg/bw - Source: OECD 423 (RAC Opinion)

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- Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg/bw - Source: OECD 402 (RAC Opinion)
Test: LC50 - Route: Inhalation - Species: Rat > 5.63 mg/l - Duration: 4h - Source: OECD 403 (RAC Opinion)
- b) skin corrosion/irritation:
Test: Eye Corrosive Negative - Source: OECD 405 (RAC Opinion)
Test: Skin Corrosive Negative - Source: OECD 404 (RAC Opinion)
Test: Skin Irritant Negative
Test: Eye Irritant Negative
- d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative - Source: OECD 406 (RAC Opinion)
- e) germ cell mutagenicity:
Test: Mutagenesis - Route: Oral - Species: Rat Negative 3000 ppm - Duration: 90 d - Source: OECD 474/ 475 (RAC opinion)
- g) reproductive toxicity:
Test: Reproductive Toxicity Negative
- bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 307 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 0.588 mg/l - Duration: 4h
- b) skin corrosion/irritation:
Test: Eye Corrosive Positive
Test: Skin Irritant Positive
- e) germ cell mutagenicity:
Test: Mutagenesis Negative
- f) carcinogenicity:
Test: Carcinogenicity Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity Negative

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
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The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

Piperonyl Butoxide - CAS: 51-03-6

a) acute toxicity:

Endpoint: LC50 - Species: Fish = 3.94 mg/l - Duration h: 96 - Notes: Cyprinodon variegatus

Endpoint: EC50 - Species: Daphnia = 0.51 mg/l - Duration h: 48 - Notes: Daphnia magna

e) Plant toxicity:

Endpoint: EC50 - Species: Algae = 2.09 mg/l - Duration h: 72 - Notes: Selenastrum capricornutum

cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate - CAS: 52315-07-8

a) acute toxicity:

Endpoint: LC50 - Species: Fish = 0.0028 mg/l - Duration h: 96 - Notes: Salmo gairdneri

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Endpoint: EC50 - Species: Daphnia = 0.0003 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 0.1 mg/l - Duration h: 96 - Notes: Selenastrum capricornutum

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 0.00003 mg/l - Notes: 34 d Pimephales promelas tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate - CAS: 7696-12-0

a) acute toxicity::

Endpoint: LC50 - Species: Fish = 0.033 mg/l - Duration h: 96 - Notes: Brachydanio rerio

Endpoint: EC50 - Species: Daphnia = 0.47 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish = 0.0037 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.72 mg/l - Notes: Selenastrum capricornutum

e) Plant toxicity:

Endpoint: EC50 - Species: Algae = 1.36 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7

a) acute toxicity::

Endpoint: EC50 - Species: Algae = 0.068 mg/l - Duration h: 72 - Notes: Anabaena flos aqua

Endpoint: EC50 - Species: Daphnia = 1.04 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish = 3.0 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.0025 mg/l - Duration h: 72 - Notes: Anabaena flos aqua

Endpoint: NOEC - Species: Fish = 2.61 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss

Endpoint: NOEC - Species: Daphnia = 0.06 mg/l - Duration h: 504 - Notes: Daphnia magna

12.2. Persistence and degradability

Piperonyl Butoxide - CAS: 51-03-6

Biodegradability: Non-readily biodegradable

cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate - CAS: 52315-07-8

Biodegradability: Not persistent and Biodegradable - Test: OECD 308 test - Duration h: d - %: 0.948 - Notes: 12°C

tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate - CAS: 7696-12-0

Biodegradability: .7 - Test: Vebi 3 - Duration h: 28 d - %: 23

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7

Test: CO2 production - %: 70 - Notes: (OECD 301 B (mod. -Sturm- Test))

Test: OECD 314 - %: 63.5

12.3. Bioaccumulative potential

Piperonyl Butoxide - CAS: 51-03-6

Not bioaccumulative - Test: BCF - Bioconcentration factor 757 - Notes: earthworm

Not bioaccumulative - Test: Kow - Partition coefficient 4.8

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Not bioaccumulative - Test: BCF - Bioconcentration factor 290 - Notes: fish cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate - CAS: 52315-07-8
 Not bioaccumulative - Test: BCF - Bioconcentration factor 374 - Duration h: d - Notes: BCFwin (EPISUIT) 417L/Kgwwt
 Not bioaccumulative - Test: Kow - Partition coefficient 5.3 - Duration h: d tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate - CAS: 7696-12-0
 Bioaccumulative - Test: BIOAC04 4.09
 bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7
 Test: BCF - Bioconcentration factor 3.16 - Notes: calculated (EPIWIN)
 Test: Kow - Partition coefficient 0.38 - Notes: (Log Kow n-octanol/water OECD 107)

12.4. Mobility in soil

cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate - CAS: 52315-07-8
 Not mobile - Test: Koc 574360 - Notes: QSAR from 80653to 574360 mL/g
 Not mobile - Test: DT50 17.2 - Duration h: d - Notes: 12°C
 tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate - CAS: 7696-12-0
 Not mobile - Test: Koc 2045-2754 - Notes: oecd 121

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Additional disposal information:

Dispose of unused product and packaging as hazardous waste.

Notes (Irish Regulation):

At the end of the treatment, dispose of uneaten bait and the packaging in accordance with EPA requirements for the disposal of hazardous waste. Use of gloves is recommended.

Dispose of dead rodents in accordance with local requirements, using one of the following methods of disposal (in order of preference): via an on-site or on-farm small carcass incinerator; with the site's or farm's domestic waste; in the site's or farm's normal non-hazardous waste; or by burial on-site, but away from sensitive areas.

Rodents can be disease carriers. Do not touch dead rodents with bare hands, use gloves or use tools such as tongs when disposing them.

SECTION 14: Transport information



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14.1. UN number	
ADR-UN Number:	3082
IATA-UN Number:	3082
IMDG-UN Number:	3082
14.2. UN proper shipping name	
ADR-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate, tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxyl ate)
IATA-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate, tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxyl ate)
IMDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate, tetramethrin (ISO); (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxyl ate)
14.3. Transport hazard class(es)	
Rail (RID):	9
ADR-Class:	9
ADR-Label:	9
ADR - Hazard identification number:	90
IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9
14.4. Packing group	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
ADR-Enviromental Pollutant:	Yes
IMDG-Marine pollutant:	Marine Pollutant
Most important toxic component:	cypermethrin cis/trans +/-40/60; (RS)-alfa-cyano-3-phenoxybenzyl (1RS,3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate
14.6. Special precautions for user	
ADR-Subsidiary hazards:	-
ADR-S.P.:	274 335 375 601
ADR-Transport category (Tunnel restriction code):	3 (E)

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IATA-Passenger Aircraft:	964
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	964
IATA-S.P.:	A97 A158 A197
IATA-ERG:	9L
IMDG-EmS:	F-A , S-F
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-

- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Non applicabile

The product is transported in conditions that comply with exemption criteria for ADR transport. For packaging containing less than or equal to 5 lt, transportation is not subject to the reg. ADR (Special Provision 375) and the IMDG Code (Section 2.10.2.7) and to IATA regulation (Special Provision A197)

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Regulation (EU) n. 528/2012

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

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Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: E1

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H335 May cause respiratory irritation.
- H302 Harmful if swallowed.
- H332 Harmful if inhaled.
- H351 Suspected of causing cancer.
- H371 May cause damage to organs (nervous system) if inhaled.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H312 Harmful in contact with skin.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Carc. 2	3.6/2	Carcinogenicity, Category 2
STOT SE 2	3.8/2	Specific target organ toxicity - single exposure, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 4: First aid measures
- SECTION 5: Firefighting measures
- SECTION 6: Accidental release measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 10: Stability and reactivity
- SECTION 11: Toxicological information

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SECTION 12: Ecological information
SECTION 14: Transport information
SECTION 15: Regulatory information
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	On basis of test data
Eye Irrit. 2, H319	Bridging principle "Interpolation within one toxicity category"
Carc. 2, H351	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 1, H410	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.

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LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.