



AUD-AD-140-1475113 : رقم التسجيل
30-05-2023 : التاريخ

قطاع التنوع الغذائي
إدارة التنمية والصحة الزراعية

مفيد	تجاري	تسجيل مفيد
		مبيد صحة كمامة (حشري)
		تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية
		الاسم التجاري للمبيد : Actellic 50 CE
		بلد التسجيل : المكسيك
		المواد الفعالة وتركيزها : Pirimiphos Methyl 500 g/L
		29232-93-7 : CAS RN
		صورة المستحضر : Emulsifiable Concentrate
		حجم العبوة : لتر 0,5,1,5
		بلد (التسجيل/المنشأ) والشركة المنتجة : Syngenta Crop Protection AG - المجر
		الشركة المحلية المستوردة : Agricultural Materials Co, LTD - WLL
		تاريخ إصدار الشهادة : 30-05-2023
		صالحة حتى : 21-05-2028
		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 : 101432564573490295

تاريخ إيصال الشهادة : 05-05-2023

مدير إدارة الشؤون البلدية

رمز التحقق : 231-5140



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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ACTELLIC 50EC

Version 14.0 Revision Date: 07.08.2018 SDS Number: S00006573768 This version replaces all previous versions.

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

1.1 Product identifier

Trade name : ACTELLIC 50EC
Design code : A5832C
Product Registration Number : MAPP 12726

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

Use of the Sub-stance/Mixture : Insecticide

1.3 Details of the supplier of the safety data sheet

Company : Syngenta UK Limited
CPC4, Capital Park
Fulbourn, Cambridge CB21 5XE
United Kingdom
Telephone : +44 (0) 1223 883400
Telefax : +44 (0) 1223 882195
E-mail address of person responsible for the SDS : customer.services@syngenta.com

1.4 Emergency telephone number

Emergency telephone number : +44 1484 538444

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.
Acute toxicity, Category 4 H302: Harmful if swallowed.
Serious eye damage, Category 1 H318: Causes serious eye damage.
Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 1 H370: Causes damage to organs.

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Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H370 Causes damage to organs. H410 Very toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements	:	EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
Precautionary statements	:	P102 Keep out of reach of children. Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously

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with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty triple rinsed clean containers which can be disposed of as non-hazardous waste.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
pirimiphos-methyl (ISO)	29232-93-7 249-528-5 015-134-00-5	Acute Tox. 4; H302 STOT SE 1; H370 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 30 - < 50
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	64742-95-6 265-199-0 649-356-00-4 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H336 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 30 - < 50
calcium dodecylbenzenesulphonate	26264-06-2 247-557-8	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
4-methylpentan-2-one	108-10-1 203-550-1 606-004-00-4 01-2119473980-30	Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - < 10
2-methylpropan-1-ol	78-83-1	Flam. Liq. 3; H226	>= 1 - < 3

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	201-148-0 603-108-00-1 01-2119484609-23	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 STOT SE 3; H335	
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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Move the victim to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Keep patient warm and at rest.
Call a physician or poison control centre immediately.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash off immediately with soap and plenty of water.
If skin irritation persists, call a physician.
Wash off immediately with plenty of water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses.
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Poisoning produces effects associated with anticholinesterase activity which may include:
Nausea
Diarrhoea
Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Consider taking venous blood for determination of blood cholinesterase activity (use heparin tube)
Administer atropine sulphate as antidote.
Specific antidotes are oximes (e.g. Pralidoxime) or Toxogonin

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SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Extinguishing media - small fires
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - large fires
Alcohol-resistant foam
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).
Exposure to decomposition products may be a hazard to health.
Flash back possible over considerable distance.

5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.
- Further information : Do not allow run-off from fire fighting to enter drains or water courses.
Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
Keep people away from and upwind of spill/leak.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Remove all sources of ignition.
Pay attention to flashback.

6.2 Environmental precautions

- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

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Version 14.0 Revision Date: 07.08.2018 SDS Number: S00006573768 This version replaces all previous versions.

/ national regulations (see section 13).
Clean contaminated surface thoroughly.
Clean with detergents. Avoid solvents.
Retain and dispose of contaminated wash water.

6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Use only in an area containing flame proof equipment.
Take precautionary measures against static discharges.
For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from combustible material. Keep in an area equipped with sprinklers. Keep away from food, drink and animal feed-stuffs. No smoking.

Further information on storage stability : Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

7.3 Specific end use(s)

Specific use(s) : For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
pirimiphos-methyl (ISO)	29232-93-7	TWA	3 mg/m ³ (Skin)	Syngenta
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	64742-95-6	TWA	19 ppm 100 mg/m ³	Supplier
4-methylpentan-2-one	108-10-1	TWA	20 ppm 83 mg/m ³	2000/39/EC

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Further information	Indicative			
	108-10-1	STEL	50 ppm 208 mg/m ³	2000/39/EC
Further information	Indicative			
	108-10-1	TWA	50 ppm 208 mg/m ³	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
	108-10-1	STEL	100 ppm 416 mg/m ³	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
2-methylpropan-1-ol	78-83-1	TWA	50 ppm 154 mg/m ³	GB EH40
	78-83-1	STEL	75 ppm 231 mg/m ³	GB EH40

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
4-methylpentan-2-one	108-10-1	4-methylpentan-2-one: 20 micromol per litre (Urine)	After shift	GB EH40 BAT

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified	Workers	Inhalation	Long-term systemic effects	150 mg/m ³
	Workers	Dermal	Long-term systemic effects	25 mg/kg
	Consumers	Inhalation	Long-term systemic effects	32 mg/m ³
	Consumers	Dermal	Long-term systemic effects	11 mg/kg
calcium dodecylbenzenesulphonate	Consumers	Oral	Long-term systemic effects	11 mg/kg
	Workers	Dermal	Long-term systemic effects	1.7 mg/kg
	Consumers	Dermal	Acute systemic effects	85 mg/kg
4-methylpentan-2-one	Consumers	Oral	Long-term local effects	89 mg/kg
	Workers	Inhalation	Long-term systemic effects	83 mg/m ³
	Workers	Inhalation	Acute systemic effects	208 mg/m ³
	Workers	Inhalation	Long-term local effects	83 mg/m ³
	Workers	Inhalation	Acute local effects	208 mg/m ³
	Workers	Dermal	Long-term systemic	11.8 mg/kg

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			effects	
	Consumers	Inhalation	Long-term systemic effects	14.7 mg/m ³
	Consumers	Inhalation	Acute systemic effects	155.2 mg/m ³
	Consumers	Inhalation	Long-term local effects	14.7 mg/m ³
	Consumers	Inhalation	Acute local effects	155.2 mg/m ³
	Consumers	Dermal	Long-term systemic effects	4.2 mg/kg
	Consumers	Oral	Long-term systemic effects	4.2 mg/kg
2-methylpropan-1-ol	Workers	Inhalation	Long-term systemic effects, Long-term local effects	310 mg/m ³
	Consumers	Inhalation	Long-term systemic effects, Long-term local effects	55 mg/m ³
	Consumers	Oral	Long-term systemic effects, Long-term local effects	25 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
calcium dodecylbenzenesulphonate	Fresh water	0.023 mg/l
	Marine water	0.0023 mg/l
	Intermittent use/release	0.01 mg/l
	Fresh water sediment	0.174 mg/kg
	Marine sediment	0.0174 mg/kg
4-methylpentan-2-one	Sewage treatment plant	3 mg/kg
	Soil	0.62 mg/kg
	Fresh water	0.6 mg/l
	Marine water	0.06 mg/l
	Freshwater - intermittent	1.5 mg/l
2-methylpropan-1-ol	Sewage treatment plant	27.5 mg/l
	Fresh water sediment	8.27 mg/kg
	Marine sediment	0.83 mg/kg
	Soil	1.3 mg/kg
	Fresh water	0.4 mg/l
2-methylpropan-1-ol	Sewage treatment plant	10 mg/l
	Soil	0.0699 mg/kg
	Marine sediment	0.152 mg/kg
	Fresh water sediment	1.52 mg/kg
	Marine water	0.04 mg/l

8.2 Exposure controls

Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

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Maintain air concentrations below occupational exposure standards.
Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye protection : Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.
Tightly fitting safety goggles
Face-shield

Use eye protection according to EN 166.

Hand protection

Material : Nitrile rubber
Break through time : > 480 min
Glove thickness : 0.5 mm

Remarks : Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Remove and wash contaminated clothing before re-use.
Wear as appropriate:
Impervious clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Suitable respiratory equipment:
Respirator with combination filter for vapour/particulate (EN 141)
The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Filter type : Combined particulates and organic vapour type (A-P)

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Protective measures : The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid, clear
Colour	: light yellow to brown
Odour	: aromatic
Odour Threshold	: No data available
pH	: 4 - 8 Concentration: 1 % w/v
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: 46 °C Method: Pensky-Martens closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1.02 g/cm ³ (25 °C)
Solubility(ies)	
Solubility in other solvents	: Miscible Solvent: Water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 410 °C

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Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : 4.61 mPa.s (40 °C)
8.08 mPa.s (20 °C)

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Surface tension : 35.3 mN/m, 25 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure : Ingestion
Inhalation
Skin contact
Eye contact

Acute toxicity

Product:



رقم التسجيل : DXB-AD-140-1265588
التاريخ : 09-01-2025

قطاع التنوع الغذائي
إدارة التنمية والصحة الزراعية

تجهيزات

تسجيل المبيد

مبيد صحة كمامة (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%

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

صورة المستحضر : Concentrated Microencapsulated Insecticide

حجم العبوة : لتر 1

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

الشركة المحلية المستوردة : المبيدون للتجارة

تاريخ إصدار الشهادة : 09-01-2025 : 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 604.28 درهم

رقم إيصال الشهادة : 10423756631039485583

تاريخ إيصال الشهادة : 05-12-2024

مدير إدارة الشؤون البلدية

رمز التحقق : 281-2300



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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

دراكار 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 بايوكيبيكو س ر ل

فيما 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 اللالجات 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

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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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	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.

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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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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 *dis/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-isindol-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.

Draker 10.2

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-Environmental 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.



رقم التسجيل : SHJ-AD-140-1754
التاريخ : 25-10-2021

قطاع التنوع الغذائي
إدارة التنمية والصحة الزراعية

مقيد	كيميائي	شهادة تسجيل مبيد
		مبيد آفات صحة عامة (حشري)
		تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية
		الاسم التجاري للمبيد : MASTERCID MICRO
		بلد التسجيل : إيطاليا
		المواد الفعالة وتركيزها : Cypermethrin 8%, Tetramethrin 2%, Piperonyl butoxide 6%
		CAS RN : 51-03-6, 7696-12-0, 52315-07-8
		صورة المستحضر : Micro-encapsulated concentrated insecticide
		حجم العبوة : 0.5, 1 لتر
		بلد (التسجيل/المنشأ) والشركة المنتجة : إيطاليا - ORMA S.R.L.
		الشركة المحلية المستوردة : مؤسسة اونتي الزراعية
		تاريخ إصدار الشهادة : 25-10-2021
		ملاحظات : المبيد مقيد الاستخدام
		صالحة حتى : 02-10-2026

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

ملاحظات :

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- 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 3003 درهم

رقم إيصال الشهادة : 12833756431843422158

تاريخ إيصال الشهادة : 10-10-2021

مدير إدارة الشؤون البلدية

رمز التحقق :



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MASTERCID MICRO

Revision 1.0 of September, 22 2015

MATERIAL SAFETY DATA SHEET according to the regulation 453/2010 Annex II

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

1.1 - Product details

Trade name: MASTERCID MICRO

Recording Office of Health: N. 20154

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

Insecticide - acaricide, concentrated microencapsulated

1.3 - Details of the supplier of the safety data sheet

Manufacturer/Supplier: ORMA S.r.l. - Via Saba, 4 - 10028 Trofarello TO

Tel. +39/011.64.99.064 Fax +39/011.68.04.102

Qualified technician on drafting the MSDS: aircontrol@ormatorino.it

1.4 - Emergency telephone number:

+39/011.6499064 (ORMA, office hours) For urgent information, call a Poison Centre opened 24 hours a day (ex. Centro Antiveleni Ospedale Niguarda, Milano +39/02.66101029)

SECTION 2: HAZARDS IDENTIFICATION

Classification according the CLP Regulation N. 1272/2008 and subsequent modifications and adjustments

Aquatic Acute 1 H400

Aquatic Chronic 2 H411

2.2 - Label elements

Hazard labelling of the preparation according to CLP Regulation N. 1272/2008 and subsequent modifications and adjustments:

GHS09



WARNING

Hazard statements (H):

H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements (P):

P102: Keep out of reach of children.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



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

P391: Collect spillage.

P501: Dispose of contents/container to an approved waste disposal facility.

2.3 - Other hazards

n.a.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 - Substances: Not pertinent information.

3.2 - Mixture: It contains

Name	Conc.	Classification 1272/2008 (CLP)
CYPERMETHRIN (CIS/TRANS 40/60) CAS 52315-07-8 EINECS 257-842-9 EU INDEX 607-421-00-4	8,00%	ACUTE TOX. 4 H302 ACUTE TOX. 4 H332 STOT SE 3 H335 AQUATIC ACUTE 1 H400 AQUATIC CHRONIC 1 H410
PBO EINECS 200-076-7 CAS 51-03-6	6,0%	Aquatic Acute 1 H400 Aquatic Chronic 1 H410
TETRAMETHRIN CAS: 7696-12-0 CE: 231-711-6 N. REG. 05-2116382403-48-XXXX	2,0%	Aquatic Acute 1 H400 Aquatic Chronic 1 H410
ACETOPHENONE CAS 98-86-2 CE 202-708-7 INDEX 606-042-00-1	< 5,0%	ACUTE TOX. 4 H302 Eya dam./irrit. 2A H319
CITRIC ACID CAS 5949-29-1 CE 201-069-1	< 1,0%	EYA DAM./IRRIT. 2A H319
1,2-BENZOISOTIAZOLIN-3-ONE CAS 2634-33-5 CE 220-120-9 INDEX 613-088-00-6	< 1,0%	ACUTE TOX. 4 H302 SKIN CORR./IRRIT. 2 H315 Sens. Skin 1 H317 Eye dam./irrit. 1 H318 Aquatic Acute 1 H400

The full text of Hazards phrases (H) is specified in section 16.

SECTION 4: FIRST-AID MEASURES

4.1 - Description of first-aid measures

General information: if symptoms persist, seek medical care, giving the information contained in the label and in this sheet. In case of accident, the first-aid measure should be performed by trained personnel, in order to avoid the injured further complication or damages.

After eye contact: Rinse opened eye with water for several minutes and get medical advice. Do not use eye drops and ointments before medical advice.

After skin contact: Immediately wash with plentiful running water.

After inhalation: remove the patient to fresh air; consult get medical advice if necessary.

After swallowing: get medical advice, showing the safety sheet. Do not induce vomiting.



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4.2 - Main symptoms and effects, both acute and retarded

See section 11.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 - Extinguishing agents:

Suitable extinguishing agents: CO₂, dry chemical extinguisher, sand.

Unsuitable extinguishing agents: Water with full jet. Water is not effective for fire-extinguishing, however it can be used to cool down containers exposed to flames, in order to prevent bursts and explosions.

5.2 - Special hazards arising from the substance or mixture

Particular fire dangers: In case of fire, toxic gas and irritating vapours emission.

5.3 - Advice for firefighters

Protective equipment: Wear suitable rebreather (especially in indoor locals) and complete protection outfit.

Special procedures: Contain the spread. Stay upwind. Avoid to breathe vapours. Cool down the containers exposed to fire with nebulized water. Avoid extinguishing water to release to the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 -Personal precautions, protective equipment and emergency procedures

Use suitable personal protective equipment (see section 8). Ensure adequate ventilation.

6.2 Environmental precautions

Keep the product away from sewers, fluvial and marine water to avoid environmental pollution (in that case, inform respective authorities).

6.3 - Methods and material for containment and cleaning up

In case of spreading on the ground, stem with sand or soil and collect with absorbing material.

Dispose the collected material in disposal container (see Section 13).

6.4 - Reference to other sections

Further information regarding individual protection and disposal are reported in section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 - Precautions for safe handling

Ensure good ventilation. Avoid eating, drinking and smoking. Use suitable protective clothes (see Section 8).

Wash with water and soap after handling: ensure good ventilation of the workplace. Do not smoke and do not use on naked flame.

7.2 - Conditions for safe storage, including any incompatibilities

Store in the original tightly sealed receptacle, away from food and beverages and away from the reach of children and domestic animals. Store in a cool location. Protect from direct sunlight. Where applicable, observe official regulations on storing packaging with pressurized containers.

7.3 - Specific end use(s)

No further relevant information available.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 - Control parameters

For further explanation, see section 16 (notes). In case of occupational exposure to the mixture wear personal protective equipment specified below.

8.2 - Exposure controls

General protective measures: Use the preparation according the indication contained in this safety sheet. Use individual protective devices recommended in this section.

Respiratory protection: In not so ventilated environments, where high percentage of product could be present, protect adequately the respiratory tract (mask with suitable filter against gas and solvents).

Protection of hands: Use impermeable and chemical substances resistant gloves (EN 374).

Eye protection: Use safety glasses with side protection, in case of possible contact to eyes.

Body protection: If need use protective coats.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 - Information on basic physical and chemical properties

Form:	dense liquid
Color:	clear
Odor:	characteristic
pH :	5.0
flash point:	> 100°C
Boiling point	> 100°C
Density:	1.0-1.1 mg/ml

SECTION 10: STABILITY AND REACTIVITY

10.1 - Reactivity

Not particular reactivity danger with other substances under normal operating conditions.

10.2 - Chemical Stability

Stable under normal operating and storage conditions.

10.3 - Possibility of hazardous reactions

No dangerous reactions known.

10.4 - Conditions to avoid

Avoid overheating, electrostatic charge, direct exposition to sun and any lighting source.

10.5 - Incompatible materials

No further relevant information available.

10.6 - Hazardous decomposition products

The thermal decomposition causes the formation of hazardous compounds.



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SECTION 11: TOXICAL INFORMATION

11.1 - Information on toxicological effects

Mechanism of action: The cypermethrin and tetramethrin (pyrethroid) act on the central and peripheral nervous system at the level of neuronal membranes resulting in a closure of sodium channels.

Inhalation	For prolonged exposure, respiratory irritation and headaches, nausea, drowsiness and dizziness.
Swallowing	May cause irritation of the digestive mucosa, salivation, nausea, vomiting, diarrhea, abdominal pain, depression of the central nervous system, muscle spasms, convulsions, dyspnea; swallowing the liquid may cause the formation of droplets, entering into the lungs, may cause chemical pneumonitis.
Skin contact	For frequent and prolonged contact, persistent irritation and dermatitis, chapping and dryness of the skin.
Eyes contact	Conjunctival redness and irritation, corneal damage

Toxicological data :

Cypermethrin: LD₅₀ acute rat 250-4123 mg/kg (oral); LD₅₀ >1600 rat; 2460 rabbit mg/kg (dermale acuta). It can be irritant for eyes and skin.

Tetramethrin : LD₅₀ (oral) : > 5000 mg / kg rat ; LD₅₀ (Dermal) : > 2000 mg / kg rat ; LC₅₀ (Inhalation) : > 5.63 mg / kg rat (4 hours) . Acute dermal irritation rabbit : non-irritant ; Acute ocular irritation rabbit : non-irritant ; skin sensitization : not sensitizing .

Piperonyl butoxide : LD₅₀ Rat : 4570 mg / kg (oral) ; LD₅₀ rabbit > 2000 mg / kg (dermal) ; Rat LC₅₀ (4h)

5.9 mg / l inhalation. Not irritating to skin and eyes . Not sensitizing to skin.

Acetophenone : LD₅₀ oral rat : 815 mg / kg ; Dermal LD₅₀ rabbit : 16,329 mg / kg . Slight irritation skin. Severe eye irritation .

Citric acid monohydrate: LD₅₀ oral rat: 375 mg/kg. Irritating to eyes and skin .

1,2- Benzoisotiazolin - 3-one : LD₅₀ oral rat : 1020 mg / kg . May cause allergic skin reaction .

SECTION 12: ECOLOGICAL INFORMATION

The mixture is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Set out below the toxicological information relating to the main substances in the preparation (section 3):

12.1 - Toxicity

Cypermethrin:

EC₅₀ 0.00027 mg/l daphnia magna (48h);

LC₅₀ 0.00317 mg/l fish (96h);

LC₅₀ 1.2-12 ug/l salmo salar (96h).

Tetramethrin :

fish LC₅₀ 0.004 mg / l (96h) ;

EC₅₀ Daphnia magna 0,11mg / l (48h) .



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Piperonyl butoxide :

fish LC50 3.94 mg / l (96h) ;

EC50 Daphnia magna : 0.51 mg / l (48h) ;

Crustaceans EC50 : 3.89 mg / l (72h) .

Acetophenone :

LC50 Fish : 162 mg / l (96h)

1,2- Benzoisotiazolin - 3-one :

fish LC50 : 0.8 mg / l (96h) ;

EC50 Daphnia magna : 4.4 mg / l (48h) LC50 > 100 mg/l fish

12.2 - Persistence and degradability

Piperonyl butoxide: not readily biodegradable.

12.3 - Bioaccumulative potential

Piperonyl butoxide: BCF 91-260-380

12.4 - Mobility in soil

N.A.

12.5 - Results of PBT and vPvB assessment

No data available

12.6 - Other adverse effects

No further information available.

SECTION 13: DISPOSAL CONSIDERATION

13.1 - Waste treatment methods

General recommendation: Recover if possible. Operate according to local and national dispositions in force. Containers, even if completely emptied, must not be released to the environment. If they contain residues, they must be classified, stored and sent to an appropriate waste management plant. For a non-professional use the completely empty container can be disposed with household garbage, according to the local dispositions for waste separation.

Classification: The waste classification is an obligation of the manufacturer of the same. Waste codes number recommended: EWC 07 04 13 (solid waste containing dangerous substances), 16 03 05 (organic waste containing dangerous substances).

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

3082

14.2. UN proper shipping name

MATERIAL ENVIRONMENTALLY HAZARDOUS SUBSTANCE, liquid, (Cypermethrin and Tetramethrin)

14.3. Transport hazard class(es)

9



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14.4. Packing group

III

14.5. Environmental hazards

Marine pollutant

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

SECTION 15: REGULATORY INFORMATION

15.1 - Specific standards and legislation on health, safety and environment for the preparation/substance

Substances in Candidate List (Art. 59 REACH): None

Restrictions on the product or the substances contained according to EC-Regulation 1907/2006 Enclose XVII: section 3. Substances subject to authorization (REACH Enclose XIV): None. Seveso: 9 i)

Standard references: the instructions given by the following European legislation are respect:

- Directive 99/45/CE D.Lgs n° 65/2003;
- Directive 67/548/CE
- Regulation (CE) 1272/2008 (CLP);
- Directive 98/24/CE D.Lgs 81/2008;
- Regulation (CE) 1907/2006 (REACH);
- Regulation (CE) 790/2009 (I Atp. CLP);
- Regulation (CE) 453/2010;
- GESTIS - IFA (Institute für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung).

15.2 - Chemical safety assessment

A chemical safety assessment for the product has been not elaborated.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge and experience and it is not exhaustive. Unless contrary indications this information should be applied to the product as conform to its specifications. In case of mixing or combinations, assure, that a new danger could not appear. However the user have the responsibility for assuring the suitability and the completeness of the information, in particular referring to its proper use. It does not except in any case the user from observing all the laws and the regulations relating to the product, hygiene, workers safety and environmental protection. For further information regarding the preparation, consult the label on the packaging.

Hazard indication text (H) mentioned on sheet section 2-3

Aquatic Acute 1:	Hazardous to the aquatic environment, acute toxicity Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment, chronic toxicity Category 1
Eye Damage 1:	eye irritant; Category 1



MASTERCID MICRO

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STOT SE 3:	organ toxicity, Category 3
Asp. Toxicity 1:	Asp hazard, Category 1.
Eye damage 2A:	Eyes irritant,, Category 2A.
Sens. Skin 1:	Skin irritant, Category 1.
Skin corr./irrit 2:	Skin irritant,, Category 2.

H302: Harmful if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long-lasting effects.

Notes (paragraph 8):

TLV-TWA (Threshold Limit Value -Time Weighted Average): limit values weighted in 8 hours. TLV-STEL (Threshold Limit Value - Short Time Exposure Limit), the maximum value allowed for brief exposure. Section 8 is mentioned the ACGIH (American Conference of Governmental Hygienists Industries). Data for the threshold limit values (TLV-TWA) are taken from the supplement to Vol. 3, No. 1 of the Journal of Industrial Hygienists (AIDII) published in 2012 and refer to the values ACGIH 2012.



اعتماد الفرمونات والمواد الجاذبة والطاردة والمواد المضافة والمواد ذات التأثير الميكانيكي أو الفيزيائي في مكافحة الآفات

Approved of Phermions, Attracting materials, Extruding materials, Additives and Materials with mechanical or physical in pest control

Sustainable Communities Sector Municipal Affairs Department Chemical Section		قطاع المجتمعات المستدامة إدارة الشؤون البلدية قسم الكيماويات
Certificate Number	DXB-APH-11-1551152	رقم الشهادة
Verification Code	155-1152	رمز التحقق
Issue Date of Certification	07-10-2020	تاريخ إصدار الشهادة
Trade Name	Snake Out	الاسم التجاري
Type of Material	Repellents / المواد الطاردة	نوع المادة
Composition	Powder	التركيبية
Manufacturer	NISUS	اسم الشركة المصنعة
Country of origin	United States of America / الولايات المتحدة الأمريكية	بلد المنشأ
Importing Company	Ecovar Trading LLC / Ecovar Trading LLC	الشركة المستوردة



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SAFETY DATA SHEET

SNAKE OUT

SNAKE
REPELLENT

Health Emergencies: INFOTRAC® (800) 535-5053

1. PRODUCT AND COMPANY INFORMATION**Product Identity:** Snake Out®**Recommended use of the chemical and restrictions on use:** See Label**Manufacturer:** Nisus Corporation
100 Nisus Drive
Rockford, TN 37853**Telephone:** Phone: (800) 264-0870
Fax: (865) 577-5825**Emergency Phone:** 800-535-5053 (INFOTRAC)**SDS Date of Preparation:** 5/11/20**2. HAZARDS IDENTIFICATION****GHS Classification:** Not Classified**GHS Label Elements:** None**Statements of Hazard:** None**Precautionary Statements:** None**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No.	Amount	GHS –US
Cedar Oil	68990-83-0	3.1%	Not Classified
Cinnamon oil	8015-91-6	0.6%	Not Classified
Clove Oil	8000-34-8	0.3%	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

4. 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:** Assure fresh air breathing. Allow the victim to rest.**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.**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.**Most important symptoms and effects, both acute and delayed**
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.**5. FIRE FIGHTING MEASURES****Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.**Unsuitable extinguishing media:** Do not use a heavy water stream.**Specific hazards arising from the chemical:** No additional information available.**Firefighting instructions:** Use water spray or fog for cooling exposed containers.**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment, and Emergency Procedures:****For non-emergency personnel:** Emergency procedures: Evacuate unnecessary personnel.**For emergency responders:**
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.**Environmental Precautions**
Prevent entry to sewers and public waters.**Methods and material for containment and cleaning up**
On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Protect from moisture.**Conditions for Safe Storage, Including Any Incompatibilities:**
Storage conditions: Protect from moisture. Keep container closed when not in use. Store in original container.Incompatible products: Strong bases, strong acids.
Incompatible materials: Sources of ignition.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines:**
This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.**Others:** None**Exposure Controls****Personal protective equipment:** Avoid all unnecessary exposure.**Hand protection:** Wear protective gloves.**Eye protection:** Chemical goggles or safety glasses.**Respiratory protection:** Wear approved mask.**Other information:** When using, do not eat, drink or smoke.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance And Odor:** Greyish to tan granular with pleasant cinnamon-cedar scent**Physical State:** Solid—granular**Odor Threshold:** No data available**Vapor Density:** No data available**Initial Boiling Point/Range:** No data available**Solubility In Water:** Insoluble **Vapor Pressure:** Not determined**Relative Density:** 39 to 44 lb/cu. ft**Evaporation Rate:** No data available**Melting/Freezing Point:** No data available **pH:** No data available**Percent Volatile:** No data available**Octanol/Water Coefficient:** No data available**Decomposition Temperature:** No data available**Viscosity:** No data available**Flammability (solid, gas):** Not determined**Flashpoint:** >405°C**Autoignition Temperature:** No data available**Flammable Limits: LEL:** Not determined **UEL:** Not determined**10. STABILITY AND REACTIVITY****Reactivity:** No additional information available.**Chemical Stability:** Stable under normal conditions.

Possibility of Hazardous Reactions: Not established.
Conditions to Avoid: Extremely high or low temperatures.
Incompatible Materials: Strong acids and strong bases
Hazardous Decomposition Products: Decomposition emits carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Skin corrosion/irritation: Not classified.
Respiratory or Skin Irritation: Not classified.
Aspiration Hazard: Not classified.
Serious Eye Damage/Irritation: Not classified.

Carcinogenicity: Not classified.
Germ Cell Mutagenicity: Not classified.
Reproductive Toxicity: Not classified.

Numerical Measures of Toxicity:

Component Toxicity Data:

Cinnamon Oil:
Oral rat LD₅₀: 2650 mg/kg; Dermal rabbit LD₅₀: >5000 mg/kg
Clove Oil:
Oral rat LD₅₀: 1370 mg/kg, Dermal rabbit LD₅₀: 1200 mg/kg

12. ECOLOGICAL INFORMATION

This product is not expected to have any negative ecological effect.

Ecotoxicity: No additional information available.
Persistence and Degradability: Not established.
Bioaccumulative Potential: No data available.
Mobility in Soil: No additional information available.
Other Adverse Effects: Avoid release to the environment.

13. DISPOSAL CONSIDERATION

Waste disposal recommendations

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials

Avoid release to the environment

14. TRANSPORTATION INFORMATION

In accordance with DOT: No dangerous good in sense of transport regulations

15. REGULATORY INFORMATION

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Product can cause moderate eye irritation. For certain individuals, skin irritation may occur. In case of eye contact, flush with plenty of water. In case of skin irritation, wash area thoroughly with soap and water.

EU Regulations: No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

Classification according to Directive 76/548/EEC or 199/45/EC: Not classified.

16. OTHER INFORMATION

HMIS Rating:

Health = 1 Flammability = 0 Physical Hazard = 0

SDS Revision History: 03/26/12: New SDS
5/11/20: Revised SDS

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2. Replacement of amount of product used.

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NISUS[®]
CORPORATION

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SNAKE OUT[®]

Snake Repellent

Snake Out repels snakes without harming them. Snakes “taste” the surrounding air, and the special blend of ingredients in Snake Out Snake Repellent is especially unpleasant to them. When they come into contact with Snake Out in the air, an escape/avoidance reaction is triggered so the snakes are actually repelled away from the product.

- May be used in areas where children and pets play.
- Apply around homes, foundations, barns & outbuildings, garages, woodpiles, sheds, campsites – any place where snakes may be a problem.
- Biodegradable, does not contain naphthalene.
- Snake Out's natural oil active ingredients are exempt from EPA regulation – EPA 25(b) exempt.
- Will not harm lawns, gardens, flower beds or other desirable plants when used as directed.
- Part of your Green Pest Management[®] program.



*Available in 4 lb. Comfort Grip[®] containers,
25 lb. pails and 300 lb. drums*



SNAKE OUT[®]

SNAKE
REPELLENT

BIODEGRADABLE • EASY-TO-APPLY GRANULES

Use around the home and anywhere snakes are a problem.

Naturally drives snakes from yards, gardens, patios, sheds, woodpiles – anywhere snakes are not wanted.

Keep Out of Reach of Children

CAUTION

ACTIVE INGREDIENTS

Cinnamon Oil (CAS No. 8015-91-6)	0.6%
Clove Oil (CAS No. 8000-34-8)	0.3%
Cedar Oil (CAS No. 68990-83-0)	3.1%
SUBTOTAL, Active Ingredients	4.0%

OTHER INGREDIENTS:

Sulfur, Fuller's Earth, Water	
SUBTOTAL, Other Ingredients	96.0%

TOTAL

	100.0%
--	--------

SNAKE OUT Snake Repellent effectively repels snakes from around your home or structure. Apply around homes, garages, barns, swimming pools, gardens (not for use directly on vegetable gardens), garden sheds, woodpiles, and other areas where snakes may be a problem. May be used in areas where children and pets play. Snake Out Snake Repellent is biodegradable and, when used as directed, will not harm lawns, gardens, flowerbeds or other desirable plants. Not for aquatic use. Do not apply to crops being grown for food or feed.

Snake Out is an EPA 25(b) exempt product. This product is not registered with the Environmental Protection Agency. Nisus Corporation represents that this product qualifies for exemption from registration under Federal Insecticide, Fungicide, and Rodenticide Act.

How It Works:

Snakes can actually taste the air around them via a receptor organ known as the *Jacobson's organ*. Snake Out's unique combination of ingredients creates a powerful taste/scent that snakes find unpleasant and triggers an avoidance behavior that makes snakes want to escape the area where it is applied. Snake Out Snake Repellent does not harm snakes; it drives them away from areas where people, pets and children may be active.

How To Use:

Using the convenient shaker top on this package, lightly sprinkle a band 6-8 inches wide, around, into or next to the area you wish to protect. It is not necessary to cover the ground completely with product. One pound will treat a band 8 inches wide by 50 feet in length or 1 lb per 100 square feet. Do not water in after application. For outdoor use, reapply product after heavy rains or every two weeks to obtain best results. Snake Out works best and lasts longer when applied to protected areas such as crawlspaces, attics and any areas protected from rainfall. Apply into voids, holes and cracks in and around the structure where snakes may enter. Snake Out can be applied to the interior perimeter of garages, storage rooms, sheds, out buildings and boat houses. Apply Snake Out to the interior perimeter walls of crawlspaces, basements and to sill areas above the foundation walls where snakes may travel or harbor. A duster applicator may be used to apply Snake Out into in accessible area.

Endangered Species Considerations – Before using this product, consult with State or local wildlife authorities to ensure that use does not present a hazard to any threatened or endangered species. Where necessary, obtaining all required permits and licenses is the responsibility of the applicator.

User Precautions – Reminder: Some snakes are poisonous; **NEVER** attempt to pick up a snake unless you are properly trained, experienced and know which species you are dealing with. Handling wild snakes is best left to experts. Contact your local wildlife management office for further information. Snake Out will not prevent snake bites.

First Aid

Product can cause moderate eye irritation. For certain individuals, skin irritation may occur. In case of eye contact, flush with plenty of water. In case of skin irritation, wash area thoroughly with soap and water. Seek medical attention if irritation persists.

Storage and Disposal:

Do not contaminate water, food or feed by storage or disposal.

Storage: Store in a cool, dry (preferably locked) storage area inaccessible to children and pets. If empty: Place in trash or offer for recycling if available.

Warranty Disclaimer

To the extent not prohibited by applicable law, Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent not prohibited by applicable law, **MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

Inherent Risks of Use

The directions for use are believed to be adequate and must be carefully followed. It is impossible to eliminate all risks associated with use of this product. Lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions, abnormal conditions, the presence of other materials, climatic conditions, the manner of application, all of which are beyond the control of the Manufacturer. To the extent not prohibited by applicable law, the buyer/seller assumes all such risks.

Limitation of Remedies

To the extent not prohibited by applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories) shall be limited to, at Manufacturer's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent not prohibited by applicable law: a) Manufacturer shall not be liable for losses or damages resulting from handling or use of this product unless Manufacturer is promptly notified of such loss or damage in writing; and b) **IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMIT, HEALTH RELATED DAMAGES OR INJURIES.**

The terms of this **Warranty Disclaimer and Limitation of Remedies** cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Manufacturer or the seller is authorized to vary or exceed the terms of this **Warranty Disclaimer or Limitation of Remedies** in any manner.



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SAFETY DATA SHEET

SNAKE OUT

SNAKE
REPELLENT

Health Emergencies: INFOTRAC® (800) 535-5053

1. PRODUCT AND COMPANY INFORMATION**Product Identity:** Snake Out®**Recommended use of the chemical and restrictions on use:** See Label**Manufacturer:** Nisus Corporation
100 Nisus Drive
Rockford, TN 37853**Telephone:** Phone: (800) 264-0870
Fax: (865) 577-5825**Emergency Phone:** 800-535-5053 (INFOTRAC)**SDS Date of Preparation:** 5/11/20**2. HAZARDS IDENTIFICATION****GHS Classification:** Not Classified**GHS Label Elements:** None**Statements of Hazard:** None**Precautionary Statements:** None**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No.	Amount	GHS –US
Cedar Oil	68990-83-0	3.1%	Not Classified
Cinnamon oil	8015-91-6	0.6%	Not Classified
Clove Oil	8000-34-8	0.3%	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

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Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.**5. FIRE FIGHTING MEASURES****Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.**Unsuitable extinguishing media:** Do not use a heavy water stream.**Specific hazards arising from the chemical:** No additional information available.**Firefighting instructions:** Use water spray or fog for cooling exposed containers.**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment, and Emergency Procedures:****For non-emergency personnel:** Emergency procedures: Evacuate unnecessary personnel.**For emergency responders:**
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.**Environmental Precautions**
Prevent entry to sewers and public waters.**Methods and material for containment and cleaning up**
On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Protect from moisture.**Conditions for Safe Storage, Including Any Incompatibilities:**
Storage conditions: Protect from moisture. Keep container closed when not in use. Store in original container.Incompatible products: Strong bases, strong acids.
Incompatible materials: Sources of ignition.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines:**
This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.**Others:** None**Exposure Controls****Personal protective equipment:** Avoid all unnecessary exposure.**Hand protection:** Wear protective gloves.**Eye protection:** Chemical goggles or safety glasses.**Respiratory protection:** Wear approved mask.**Other information:** When using, do not eat, drink or smoke.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance And Odor:** Greyish to tan granular with pleasant cinnamon-cedar scent**Physical State:** Solid—granular**Odor Threshold:** No data available**Vapor Density:** No data available**Initial Boiling Point/Range:** No data available**Solubility In Water:** Insoluble **Vapor Pressure:** Not determined**Relative Density:** 39 to 44 lb/cu. ft**Evaporation Rate:** No data available**Melting/Freezing Point:** No data available **pH:** No data available**Percent Volatile:** No data available**Octanol/Water Coefficient:** No data available**Decomposition Temperature:** No data available**Viscosity:** No data available**Flammability (solid, gas):** Not determined**Flashpoint:** >405°C**Autoignition Temperature:** No data available**Flammable Limits: LEL:** Not determined **UEL:** Not determined**10. STABILITY AND REACTIVITY****Reactivity:** No additional information available.**Chemical Stability:** Stable under normal conditions.

Possibility of Hazardous Reactions: Not established.
Conditions to Avoid: Extremely high or low temperatures.
Incompatible Materials: Strong acids and strong bases
Hazardous Decomposition Products: Decomposition emits carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Skin corrosion/irritation: Not classified.
Respiratory or Skin Irritation: Not classified.
Aspiration Hazard: Not classified.
Serious Eye Damage/Irritation: Not classified.

Carcinogenicity: Not classified.
Germ Cell Mutagenicity: Not classified.
Reproductive Toxicity: Not classified.

Numerical Measures of Toxicity:

Component Toxicity Data:

Cinnamon Oil:
Oral rat LD₅₀: 2650 mg/kg; Dermal rabbit LD₅₀: >5000 mg/kg
Clove Oil:
Oral rat LD₅₀: 1370 mg/kg, Dermal rabbit LD₅₀: 1200 mg/kg

12. ECOLOGICAL INFORMATION

This product is not expected to have any negative ecological effect.

Ecotoxicity: No additional information available.
Persistence and Degradability: Not established.
Bioaccumulative Potential: No data available.
Mobility in Soil: No additional information available.
Other Adverse Effects: Avoid release to the environment.

13. DISPOSAL CONSIDERATION

Waste disposal recommendations

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials

Avoid release to the environment

14. TRANSPORTATION INFORMATION

In accordance with DOT: No dangerous good in sense of transport regulations

15. REGULATORY INFORMATION

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Product can cause moderate eye irritation. For certain individuals, skin irritation may occur. In case of eye contact, flush with plenty of water. In case of skin irritation, wash area thoroughly with soap and water.

EU Regulations: No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

Classification according to Directive 76/548/EEC or 199/45/EC: Not classified.

16. OTHER INFORMATION

HMIS Rating:

Health = 1 Flammability = 0 Physical Hazard = 0

SDS Revision History: 03/26/12: New SDS
5/11/20: Revised SDS

WARRANTY DISCLAIMER

The information, data and recommendations contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof. With respect to this publication and the product related thereto, unless otherwise expressly provided by Manufacturer in writing, **MANUFACTURER MAKES NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

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1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

Manufacturer shall not be liable for losses or damages resulting from use of this publication or handling or use of this product. **IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMIT, HEALTH RELATED DAMAGES OR INJURIES.**

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AUD-AD-140-1814 : رقم التسجيل
11-10-2021 : التاريخ

قطاع التنوع الغذائي
إدارة التنمية والصحة الزراعية

شهادة تسجيل مبيد كيميائي

مبيد صحة عامة (حشري)

تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية

الاسم التجاري للمبيد : ADVION COCKROACH GEL BAIT

بلد التسجيل : الولايات المتحدة الامريكية

المواد الفعالة وتركيزها : Indoxacarb 0.6%

173584-44-6 : CAS RN

صورة المستحضر : Gel

حجم العبوة : 30,10,5 جرام

بلد (التسجيل/المنشأ) والشركة المنتجة : Syngenta Crop Protection - الولايات المتحدة الامريكية

الشركة المحلية المستوردة : Agricultural Materials Co, LTD - WLL

تاريخ إصدار الشهادة : 11-10-2021 : صالحة حتى : 16-10-2026

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 3063.06 درهم

رقم إيصال الشهادة : 12835092387844583225

تاريخ إيصال الشهادة : 10-10-2021

مدير إدارة الشؤون البلدية

رمز التحقق :



للتحقق من صحة بيانات هذا
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Safety Data Sheet



ADVION COCKROACH GEL BAIT

Date: 3/17/2014
Replaces: 11/1/2013

1. PRODUCT IDENTIFICATION

Product identifier on label: **ADVION COCKROACH GEL BAIT**

Product No.: A20379A

Use: Insecticide

Manufacturer: Syngenta Crop Protection, LLC
Post Office Box 18300
Greensboro NC 27419

Manufacturer Phone: 1-800-334-9481

Emergency Phone: 1-800-888-8372

2. HAZARDS IDENTIFICATION

Classifications: Skin Sensitizer: Category 1B
Signal Word (OSHA): Warning
Hazard Statements: May cause an allergic skin reaction

Hazard Symbols:



Precautionary Statements: Avoid breathing dust.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection,
If on skin: Wash with plenty of soap and water.
See Section 4 First Aid Measures.
If skin irritation or rash occurs: Get medical advice.
Wash contaminated clothing before reuse.
Dispose of contents and container in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name	CAS Number	Concentration
Other inert ingredients	Other inert ingredients	Not Applicable	99.4%
methyl (4aS)-7-chloro-2,5-dihydro-2- [[[(methoxycarbonyl)[4- (trifluoromethoxy)phenyl]amino]carbonyl]in dano[1,2-e][1,3,4]oxadiazine-4a(3H)- carboxylate	Indoxacarb Technical	173584-44-6	0.6%

ADVION COCKROACH GEL BAIT

Date: 3/17/2014
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Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container, label or Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: First aid measures are not normally required. If you feel unwell or have concerns, contact Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Eye Contact: If in eyes: Rinse eyes with water. First aid measures are not normally required. If concerned, call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: First aid measures are not normally required. Wash material from the skin. If concerned, call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Inhalation: If inhaled: First aid measures are not normally required. If you feel unwell or have concerns, contact Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Most important symptoms/effects:

Allergic skin reaction

Indication of immediate medical attention and special treatment needed:

There is no specific antidote if this product is ingested.

Treat symptomatically.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO₂ extinguishing media.

Specific Hazards:

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

ADVION COCKROACH GEL BAIT

Date: 3/17/2014

Replaces: 11/1/2013

7. HANDLING AND STORAGEPrecautions for safe handling:

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities:

Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Occupational Exposure Limits:

Chemical Name	OSHA PEL	ACGIH TLV	Other	Source
Other inert ingredients	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Indoxacarb Technical	Not Established	Not Established	1 mg/m ³ 8hr & 12hr TWA (respirable)	Manufacturer

Appropriate engineering controls:

Use effective engineering controls to comply with occupational exposure limits (if applicable).

Individual protection measures:Ingestion:

Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact:

Where eye contact is likely use dust-proof chemical goggles.

Skin Contact:

Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride [PVC] or Vilon), coveralls, socks and chemical-resistant footwear.

Inhalation:

A respirator is not normally required when handling this substance.

In case of emergency spills, use a NIOSH approved respirator with any N, R, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow gel

Odor: None

Odor Threshold: Not Available

pH: 6.08

Melting point/freezing point: Not Available

Initial boiling point and boiling range: Not Available

ADVION COCKROACH GEL BAIT

Date: 3/17/2014
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Flash Point (Test Method): Not Available
 Flammable Limits (% in Air): Not Available
 Flammability: Not Available
 Vapor Pressure: Indoxacarb Technical Not Available
 Vapor Density: Not Available
 Relative Density: 1.0755 g/ml @ 68°F (20°C)
 Solubility (ies): Indoxacarb Technical Not Available
 Partition coefficient: n-octanol/water: Not Available
 Autoignition Temperature: Not Available
 Decomposition Temperature: Not Available
 Viscosity: Not Available
 Other: Not Available

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.
 Chemical stability: Stable under normal use and storage conditions.
 Possibility of hazardous reactions: Will not occur.
 Conditions to Avoid: None known
 Incompatible materials: None known
 Hazardous Decomposition Products: Not Available

11. TOXICOLOGICAL INFORMATION

Health effects information

Likely routes of exposure: Dermal

Symptoms of exposure: Rash, redness or itching

Delayed, immediate and chronic effects of exposure: Allergic skin reaction

Numerical measures of toxicity (acute toxicity/irritation studies (finished product))

Ingestion:	Oral (LD50 Rat) :	> 5000 mg/kg body weight
Dermal:	Dermal (LD50 Rat) :	> 5000 mg/kg body weight
Inhalation:	Inhalation (LC50 Female Rat) :	> 5.5 mg/l air - 4 hours
Eye Contact:	Non-Irritating (Rabbit)	
Skin Contact:	Non-Irritating (Rabbit)	
Skin Sensitization:	A skin sensitizer (Guinea Pig)	

ADVION COCKROACH GEL BAIT

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Replaces: 11/1/2013

Reproductive/Developmental Effects

Indoxacarb Technical: Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.

Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Chronic/Subchronic Toxicity Studies

Indoxacarb Technical: The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Inhalation; rat; Incoordination, mortality, red blood cell destruction causing abnormal decrease in number of red blood cells (anemia)

Carcinogenicity

Indoxacarb Technical: Animal testing did not show any carcinogenic effects.

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Did not cause genetic damage in animals.

Chemical Name NTP/IARC/OSHA Carcinogen

Other inert ingredients No

methyl (4aS)-7-chloro-2,5-dihydro-2-

[[[methoxycarbonyl][4-(trifluoromethoxy)phenyl]amino]carbonyl]inden
o[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylate

Other Toxicity Information

None

Toxicity of Other Components

Other inert ingredients

Not Applicable

Target OrgansActive Ingredients

Indoxacarb Technical: Nervous system

Inert Ingredients

Other inert ingredients: Not Applicable

12. ECOLOGICAL INFORMATIONEco-Acute ToxicityIndoxacarb Technical:

Fish (Rainbow Trout) 96-hour LC50 0.65 mg/l

Bird (Bobwhite Quail) LD50 Oral 98 mg/kg

Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 0.60 mg/l

Environmental FateIndoxacarb Technical:

Information given is based on data on the components and the ecotoxicology of similar products.

Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.

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Replaces: 11/1/2013

13. DISPOSAL CONSIDERATIONS

Disposal:

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Ground Transport - NAFTA
Not regulated

Comments

Water Transport - International
Not regulated

Air Transport
Not regulated

15. REGULATORY INFORMATION

Pesticide Registration:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution: Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

EPA Registration Number(s):

100-1484

EPCRA SARA Title III Classification:

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: None

California Proposition 65:

Not Applicable

CERCLA/SARA 304 Reportable Quantity (RQ):

Not Applicable

RCRA Hazardous Waste Classification (40 CFR 261):

Not Applicable

TSCA Status:

Exempt from TSCA, subject to FIFRA

Safety Data Sheet



ADVION COCKROACH GEL BAIT

Date: 3/17/2014
Replaces: 11/1/2013

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 2
Flammability: 1
Instability: 0

HMS Hazard Ratings

Health: 2
Flammability: 1
Reactivity: 0

0	Minimal
1	Slight
2	Moderate
3	Serious
4	Extreme

Syngenta Hazard Category: C,S

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 2/25/2013
Revision Date: 3/17/2014
Section(s) Revised: 1 - 15
Replaces: 11/1/2013

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