

UNITED ARAB EMIRATES
MINISTRY OF CLIMATE CHANGE
& ENVIRONMENT



الإمارات العربية المتحدة
وزارة التغير المناخي
والبيئة

DXB-AD-140-2029 : رقم التسجيل

قطاع شؤون البيئة

30-08-2017 : التاريخ

إدارة الكيماويات

شهادة تسجيل

مبيد آفات صفة عامة (حشري)

تشهد وزارة التغير المناخي والبيئة بأن مبيد آفات صفة عامة (حشري) بالمواصفات التالية :

الإسم التجاري للمبيد : Penta 250 FS

بلد التسجيل: بولندا

المواد الفعالة و تركيزها : Imidacloprid 20% and Alphacypermethrin 5%

CAS RN : 13826-41-3,67375-30-8

صورة المستحضر: FS

حجم العبوة: Litre 0.5,1

بلد الانتاج و الشركة المنتجة: بولندا - ZPUH, BEST PEST

الشركة المحلية المستوردة: مؤسسة روابي الإمارات للمواد الزراعية و الاسمدة

تاريخ إصدار الشهادة: 30-08-2017 : صالحة حتى : 12-08-2022

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 3003 درهم

رقم إيصال الشهادة : 170058051267

تاريخ إيصال الشهادة : 13-08-2017

مدير إدارة الكيماويات



DXB-AD-140-2029

PENTA 250 FS

The bioidal preparation in the form of suspension concentrate for diluting with water. Application: Preparation is intended for control of flying insects (flies, midges, mosquitoes) and running (cockroaches, bugs, ants, silverfish) coming into rooms from the outside. Used in apartments, maintenance rooms, production facilities, warehouses, commercial rooms, livestock rooms, office rooms, facilities for public use, hotels etc. do not use the product in storage and food processing and in areas where there are allergies.

Method of application:

- Precisely determine the required amount of working liquid (1L of liquid for 20 m² of surface to be sprayed).
- Shake the packing in order to thoroughly mix the content.
- Prepare 1% working liquid (for example dilute 50 ml of preparation to obtain 10L of liquid).
- Start spraying, in the case of interruptions, before resuming work working fluid mix thoroughly.
- Control of flying insects: Flies, midges, spray sunny walls surfaces, windows areas, lamps areas, pillars, places where wastes are collected, unless used as fodder, and other places where insects gather and stay; Mosquitoes- spray shaded, calm places, recesses and corners of walls inside and outside buildings.
- Control of running insects: cockroaches, bugs, ants, silverfish- spray the paths of insects; the areas of skirting boards, doors, the areas of ventilating ducts and central heating ducts, as well as gaps and clefts, places where pests nest (walls corners, gaps in floors, places behind the boards etc), inside and outside buildings.

Note:

- Do not apply for freshly painted, lined or a plastered surfaces.
- The temperature increase has a positive effects on the action of the product.
- The treatment protects the building from insects for up 4 weeks.
- In case of insects re-spawn repeat the procedure.
- The room may be put into use only after the surfaces get dry and the room is thoroughly ventilated.
- Minimum time of room ventilation: 1 hour
- After the procedure is completed wash thoroughly all pieces of possible contact with skin or food using water with detergent.

Wastes disposal:

The product and the packagings should be treated as dangerous waste. It should be sent to utilization in a plant which is allowed to collect, transport, recycle or neutralize such wastes. Disposal of used packagings: Dispose of contents/container to an authorized hazardous waste disposal plant or to a collection point dangerous waste. Storage: Store in an original, lightly closed packaging in a ventilated, dry compartment at moderate temperature (no less than 5oC and no more than 30oC). Keep away from children. Do not store with food, drinks and animal fodder.

Restricted use Pesticides

For retail sale to and use only by certified applicators or Persons under their direct supervision.

المبيد مقيّد الاستخدام

ليتم استخدامه فقط من قبل فنيين مرخصين أو تحت إشرافهم المباشر

مبيد صمغية عامة

PENTA 250 FS

بنقا، ه، أف أس

The bioidal preparation in the form of suspension concentrate for diluting with water. Preparation is intended for control of flying insects and running coming into rooms from the outside

مستحضر مبيد صمغية بصبغة مركز معلق يخفف بالماء، هذا المستحضر، ضد مكافحة الحشرات الطائرة والزاحفة التي تدخل النور القادمة من الخارج

COMPOSITION:

المحتويات:

Formulation type: Flowable suspension (FS)

Active Substances: imidacloprid 20% and Alfa-cypermethrin 5%

Other ingredients: water 60%, other organic solvents, stabilizers) 15%

تحذير

WARNING

KEEP OUT OF REACH OF CHILDREN

يحفظ المبيد بعيدا عن متناول الأطفال

BEFORE USING THE PRODUCT

READ THE LABEL CAREFULLY

اقرأ بعناية بيانات المنتج للمنتج قبل الإستعمال

رقم التسجيل بوزارة الصحة الداخلي والبيئية:

MOCCA Registration Number:

DXB-AD-140-2029

المحتوى الصافي

٥٠ لتر

Net content:

0.5 Liter

بنقا، ه، أف أس

هذا المستحضر، ضد مكافحة الحشرات الطائرة والزاحفة التي تدخل النور القادمة من الخارج، الخيطية، هذا المستحضر، ضد مكافحة الحشرات الطائرة (الذباب، البعوض، البعوض) (والذبابة) (الصراصير، البق، النمل، البعوض الضخم) التي تدخل النور القادمة من الخارج، يستخرد هذا المبيد الحشري في التفتق والتوقف الصلابة، والاصطاك لأضحية والحشرات القوية العنقارية (عزف الكائين، والنباتات المصغرة للإستعمال العامة والحدائق المنزلية). لا يستخدم هذا المنتج في الأماكن الخشبية أو الخشب الأضحية، في الأماكن التي يتواجد فيها حساسية.

مكافحة الطفيليات

يتم تخفيف الكمية المطلوبة من سائل البندا لمدة (١ لتر من السائل البندا لتر من مستحضر مساحته ٢٠ م²).

• حرك البندا جيدا ليتم خلطه مع الماء كما يلي:

• يحضر سائل بنقا بنسبة (١) على سبيل المثال يخفف ٥٠ مل من المستحضر في لتر من السائل).

• ابدأ بالرش، في حال وجود عرق، وقبل نهاية العمل قم بخلط السائل البندا بشكل جيد.

مكافحة الحشرات الطائرة

الذباب والبعوض: رش سطح الجدران الموضحة للبعوض ومناطق التفتق وأيضا في المصانع والأضحية، والأماكن التي يجمع فيها النملات مثل سطح شطير كإعلاف وأماكن أخرى تحشد فيها الحشرات فيمكنك.

الدبوس - نثر الأماكن المظلمة والأماكن المزدحمة (زوايا الجدران الخلفية والخارجية).

مكافحة الحشرات الزاحفة

الصمغ الصبر والبق والشيل والسمك القطني: رش جدران الحشرات حواف اللوحات والأرفف وثقوب التهوية، وتحت الصمغ الكروكي وتوقف أيضا التجويف والتفتق لأضحية (زوايا الجدران) والتفتق الأرضية وتفتق اللوحات الخ (من داخل وخارج الأبنية).

ملاحظات

• لا تدرس الأسطح التي جرى طلاؤها أو إضافة الحبر عليها أو الأسطح اللدنة.

• المزارع والزراعية: لا تدرس أراضي على قطيعة التفتق.

• استخدم هذا المبيد بعين العين من الحشرات لمدة (٤) أسابيع.

• في حالة وصف الحشرات للبعوض بعد الانتهاء من جديد.

• يبدأ استعمال الترتفة فقط بعد أن يخف سطح جدرانها ويتم تهيئة الترتفة جيدا.

• ادرس جد تهيئة الترتفة: (١) ساعة واحدة.

• بعد اتمام عملية الرش بالكامل يتم غسفت كل الأماكن التي يحتفل أن تلامس الجلد أو الأضحية جيدا بالماء والخلط.

التخلص من التغليف:

يجب اعتبار المنتج والمعدات قمامات خطرة، لذا يجب إرسالها للإستخدام في معمل مختل لتجميع أو نهر أو تحييد مثل تلك التغليفات.

التخلص من البعوض المستعملة:

تخلص من البعوض/ البعوضات في معمل مخصص للتخلص من التغليفات الخطرة، ولدى بقعة لجميع التغليفات الخطرة.

التخزين: يتم التخزين في عبوات أصيلة محكمة الإغلاق في مكان جيد التهوية ويحفظ على درجة حرارة معتدلة (ليس أقل من ٥ درجات مئوية ولا أعلى من ٢٠ درجة مئوية).

يحفظ المنتج بعيدا عن الأطفال. لا تخزن المنتج مع الأضحية والشروبات والأغلاف الحيوانية.

تاريخ الإنتاج:

تاريخ الانتهاء:

رقم الشحنة:

Manufacturing date:

Expiry date:

Batch number:

Precautionary Statements:

- Before spraying all people, animals, plants, unpackaged foodstuffs and kitchen utensils and tableware should be removed from the room.
- Wear protecting clothes, gloves and glasses while spraying.
- Do not spray children beds and toys.
- Do not spray any electric equipment which is switched on.
- Do not eat, drink or smoke when using this product.
- Wash hands and face with water and soap after finishing work.
- Clean apparatus for spraying.
- Do not contaminate water reservoirs and intakes with preparation.

First Aid measures:

Inhalation: Remove victim from exposed area, provide fresh air and keep at rest.
Skin contamination: Take off all the contaminated clothing. Wash skin with water, then with water and soap. Wash clothing before reuse.
Eye contamination: Wash eye with appropriate eye wash or with pure water for at least 10 minutes, keep eyelids open. Consult a doctor - an ophthalmologist.
Swallowing: Rinse the mouth thoroughly with water (do not give milk, oil or alcohol to drink), contact the doctor, show him/her the label of the preparation.

Information concerning first aid for doctors: Antidote- none, apply symptomatic treatment.

Warning:

- H-302 Harmful if swallowed.
- H-410 Very toxic to aquatic life with long lasting effects.
- F-102 Keep out of reach of children.
- P-261 Avoid breathing vapours/spray.
- P-282 Do not get in eyes, on skin, or on clothing.
- P-273 Avoid release to the environment.
- P-280 Wear protective gloves, protective clothing, and eye protection.
- P-301 + P-310 If swallowed, immediately call a toxicological center or doctor.
- P-501 Dispose of contents/container to an authorized hazardous waste disposal plant or to a collection point dangerous waste.

WARRANTY STATEMENT:

The manufacturer, to ensure the stability of the chemical and physical specifications for this pesticide and safety of his packing in the original normal storage for the curation or validity for a period under the conditions of the United Arab Emirates.

البيانات التحذيرية:

- يجب قبل البدء بعملية الرش إخراج كافة الأشخاص والحيوانات والنباتات والأظمتة الغير مقلقة والأدوات الكهربائيه وإزالتها من الغرفة.
- يجب ارتداء ملابس واقية وقنارات و نظارات واقية عند الرش.
- لا تقم برش أسرة الأطفال وألعابها.
- لا ترش المعدات الكهربائيه التي تطفئ.
- لا تأكل أو تشرب أو تدخن عند استعمال هذا المنتج.
- غسل اليدين والوجه بالماء والصابون بعد الفراغ من العمل.
- ينظف الجهاز قيايم بعملية الرش.
- لا تلوث خزانات الماء والمأخذ بهذا المستحضر.

الإسعافات الأولية:

الاستنشاق: إخلاء المصاب من المنطقة الملوثة بخيوة وتغيير الهواء التي له وإزالة مسترخيا.
التلوث الجلدي: نزع خلايا الملابس الملوثة ويطفئ الجلد بالماء وبن ثم بالماء والصابون. غسل الملابس بعدة استعمالها.
تلوث العينين: غسل العينين مسائل مخصص غسل العينين على نحو تام أو بقاء قفي مدة (١٠) دقائق على الأقل بحيث تبقى العينين المجهز مفتوحة. قم باستشارة الطبيب - أخصائي العيون.
ابتلاع السائل: يغسل الفم جيدا بالماء أو لا تقدم الحليب أو الزيت أو الكحول ليشربها (غالب)
أحصل بالطبيب اقدم له / لها المصحق البياتي للمستحضر.
معلومات خاصة بالإسعافات الأولية للأطباء: الترياق - لا يوجد. قدم العلاج اللازم بالأعراض في الحالات التي يستعني الأمر مساعدا. فنية أخرى لم تتضمنها التحذيرات، يرجى الاتصال بأقرب مركز للتسمم.

تحذير:

أقر ببناءه وتدمر المصحق البياتي للمنتج قبل الإستعمال.
الرش ٢٠٢ صاف عند البلاغ - أقل ١٠٠ صاف جدا على الجهة المائلة ذو زاوية طويلا الأمد
في ١٠٠٢ يحفظ سيدا عن متناول الأطفال - في ٢٦١ يجب امتشاق في الخرفة / زياته
في ٢٢٢ ألبده عن ملامسة العينين أو الجلد أو الملابس - في ٢٢٣ يجب شربه في البيئة.
في ٢٦٠ ارتدي قنارات وملابس واقية وحافظ العينين. وبالطبيب
في ٢٠١ + في ٢١٠ إذا لم يتلقها اتصل فوراً بمركز للتسمم أو بالطبيب
في ٢٠١ + تفحص من المحتويات / انصبات باراساتها الي ممثل مفوض للتخلص من النفايات الخطرة. أو الرى تفتحة جميع التفتيات الخطرة.

الضمان:

تضمن الشركة نتيجة قبات المواصفات الكيميائية والفيزيائية هذا البنية وسلامة عبواته الأصلية في التخزين السليم لمدة فترة صلاحية تحت ظروف تخزين الإمارات العربية المتحدة.

الشركة المنتجة

زدي بياش ، ست ست ، ماجوراتا سويتسلافسكا ، جاسيك
سيووستوكي سبولكا جانا اول ، موزدازيرزوفو ٦ب 43-602
٦٠٢ - ٦٠٢
٦١٥٠٠٠٧ (+4832) فاكس: ١١٧٧٧١ (+4832) فاكس:

Producer

ZPUH, BEST PEST Malgorzata Swietoslawska Jacek
Swietoslowski, ul. Miodziazierzowców 6b-43-602
Jaworzno/Poland

Tel (+48 32) 617 75 71- Fax (+48 32) 615 00 07



الفرع المحلي الموزع

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تليفون: +9714-2227973



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

1.1. Product identifier

PENTA 250 FS

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

Biocidal product - Insecticide formulation in the form of liquid suspensions ,
for dilution with water before use, suitable for controlling harmful insects flying and running in
sanitary hygiene.

Uses advised against: any other use transgressed the label-instructions for use of the product.

1.3. Details of the supplier of the safety data sheet

ZPUH „BEST-PEST” Małgorzata Świętosławska, Jacek Świętosławski Spółka Jawna
ul. Moździerzowców 6 B, 43-602 Jaworzno, Poland
Tel.: + 48 (32) 617 75 71, fax: + 48 (32) 615 00 07; e-mail: biuro@bestpest.com.pl
Person responsible for the data sheet: SDS@bestpest.com.pl

1.4. Emergency telephone number

European Emergency Number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008/WE:

Physical and chemical hazards

Mixture is not classified as dangerous.

Health hazards.

Acute toxicity (oral), Hazard Category 4 (**Acute Tox.4**)

H302 Harmful if swallowed.

Environment hazards.

Hazardous to the aquatic environment - Acute Hazard, Category 1 (**Aquatic Acute 1**)

H400 Very toxic to aquatic life.

Hazardous to the aquatic environment - Chronic Hazard, Category 1 (**Aquatic Chronic 1**)

H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Pictogram:

**WARNING**

Hazard phrases:

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

Safety phrases

P102 Keep out of reach of children.

P261 Avoid breathing vapours/spray.

P262 Do not get in eyes, on skin, or on clothing.

- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, eye protection.
- P301 + P310 IF SWALLOWED: Immediately call a Toxicological Resort or doctor.
- P501 Dispose of contents/container to an authorized hazardous waste disposal plant or to a collection point dangerous waste.

2.3. Other hazards


Does not contain substances identified as meeting the criteria for PBT or vPvB.


SECTION 3: Composition / Information on ingredients

3.2. Mixtures

Name: imidacloprid/ (2E)-1-[[6-chloropyridin-3-yl)methyl]-N-nitroimidazolidin-2-imine

Contents: 20 % (200 g/kg)
 EC No: 428-040-8
 No CAS: 138261-41-3
 Annex I Index 612-252-00-4

According to Regulation (EC) No. 1272/2008:  Acute Tox. 4 H302

 Aquatic Acute 1 H400, Aquatic Chronic 1 H410

Name: alpha-cypermethrin /reaction mass of (S)-α-cyano-3-phenoxybenzyl-(1R,3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl-(1S,3S)-3-(2,2-dichlorovinyl)-2,2-imethyl cyclopropanecarboxylate

Contents: 50 % (50 g/kg)
 EC No: ---
 No CAS: 67375-30-8
 Annex I Index 607-422-00-X

According to Regulation (EC) No. 1272/2008:  Acute Tox. 3 H301,  STOT RE 2 H373,

 STOT SE 3 H335,  Aquatic Acute 1 H400, Aquatic Chronic 1 H410

Reference to other sections: the complete text of phrases is in Section 16 of the data sheet

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Remove victim from exposed area, provide fresh air and keep at rest.

Skin contamination: Take off all the contaminated clothing. Wash skin with water, then with water and soap. Wash clothing before reuse.

Eye contamination: Wash eye with appropriate eye wash or with pure water for at least 10 minutes, keep eyelids open. Consult a doctor - an ophthalmologist.

Swallowing: Rinse the mouth thoroughly with water (do not give milk, oil or alcohol to drink). Contact the doctor, show him/her the label of the preparation.

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

Headache or dizziness, nausea, vomiting, irritation, redness of the skin, allergic reactions, runny nose.

Created: 2003-06-30
Updated: 2015-07-16
Version: 2.0 EN

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- 4.3. Indication of any immediate medical attention and special treatment needed
Antidote - none. Apply symptomatic treatment.

SECTION 5: Firefighting measures

General recommendations

Remove unauthorized persons that do not participate in fire fighting from the area of danger.
Remove sources of ignition, do not smoke. Do not allow to enter drains, water bodies and watercourses

5.1. Extinguishing media

Proper extinguishing media

Foam, carbon dioxide (CO₂), dry powder extinguishers or water mist.

Improper extinguishing media

Do not extinguish with strong stream of water. Confine flowing water by using a temporary ground barrier.

5.2. Special hazards arising from the substance or mixture

As a result of fire may form toxic gases and vapors: carbon oxides (CO, CO₂), nitrogen oxides (NO_x).

5.3. Advice for firefighters

Wear protective clothing and self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Use protective clothing and gloves (protecting against dirt).

6.2. Environmental precautions:

Very toxic to aquatic life . Avoid discharging to the environment. Do not empty into drains.

Avoid contamination of surface- and groundwater.

In the case of contamination of rivers or lakes to notify the appropriate emergency services.

6.3. Methods and material for containment and cleaning up

Spot and stop the spill. Collect the spilled material into a wastes container or bag made of plastic for later safe disposal, use of absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.), Ventilate area and wash the place of failure after gathering material.

6.4. Reference to other sections

Dispose of in accordance with section 13 of the *data sheet*.

Wear personal protection in accordance with section 8 of the *data sheet*.

Created: 2003-06-30
Updated: 2015-07-16
Version: 2.0 EN

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special recommendations. Follow the Health and Safety at Work rules and regulations.
Avoid skin and eye contamination. Do not eat, drink or smoke when using this product.
Personal Protection Equipment - see Item 8.

7.2. Conditions for safe storage, including any incompatibilities

Store in an original, tightly closed packaging in a well-ventilated, dry compartment. Keep away from children. Do not store with food, drinks and animal fodder. Scope of temperatures: from 5°C to +30°C.

7.3. Specific end use(s)

Biocidal product, insecticide (cat. III, group 18 - for control of insects, mites and other arthropods).

SECTION 8: Exposure controls /personal protection

8.1. Control parameters

alfa-cypermetyryna NDS - 1 (aerosol) mg/m³, NDSCh –not specified

Regulation of Minister of Labour and Social Policy dated 06 June 2014 on maximum allowable concentrations and levels of harmful factors in the working environment (J.o.L. No. 817).

8.2. Exposure control

8.2.1. Appropriate engineering controls: ventilation of rooms

8.2.1 Personal Protection Equipment:

Eyes or face protection; use protective gloves/protective face during spraying

Skin protection: use protective gloves (made of rubber or plastic)
use protective clothing during spraying

Protection of Respiratory Tract: do not inhale the vapours of the liquid spray, the spray large areas it is recommended self-contained breathing apparatus with filter type P1

Thermal hazards: none

8.2.2. Environmental exposure control: use suitable containers that protect the environment against contamination

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	white liquid, aqueous suspension of microcapsules
Odour:	characteristic chemical, faint
pH:	5,5 – 6,0 (10% emulsion in water)
Melting/freezing point:	approx. 0°C
Initial boiling point and range of boiling temperatures:	approx. 100°C
Flash point:	<i>not relevant</i>
Evaporation rate:	<i>not determined (60% is water)</i>
Flammability:	not flammable
Upper/lower flammability limit:	<i>not relevant</i>
Vapour pressure:	<i>not relevant</i>
Vapour density:	<i>not relevant</i>
Bulk density:	approx. 1,1 [g/cm ³ , in temp. 20°C]
Solubility:	with water gives a stable suspension
Log Kow:	log P _{ow} for alpha-cypermethrin:5,5; log P _{ow} for imidacloprid: 0,57
Autoignition point:	does not autoignition
Breakdown temperature:	<i>not relevant</i>
Viscosity:	<i>not relevant</i>
Explosive properties:	none
Oxidizing properties:	none

9.3. Other information

For pH > 8,0 quickly decompose

SECTION 10: Stability and reactivity

- 10.1. Reactivity: In case of storage and handling in acc. with destination - not given
- 10.2. Chemical stability: Stable mixture in normal conditions of use and storage.
- 10.3. Possibility of hazardous reactions: In normal conditions of use and storage - none.
- 10.4. Conditions to avoid: strong acidic, alkaline or oxidants medium.
- 10.5. Incompatible materials: Strong oxidants, strong acidic.
- 10.6. Hazardous decomposition products: not relevant

SECTION 11: Toxicological information**11.1. Information on toxicological effects****11.1.2 Mixtures****Toxicological tests of PENTA 250****Acute toxicity:**Acute oral toxicity: LD₅₀ (rat) 1 665 mg/kg b.m.; [OECD no. 401]Acute dermal toxicity: LD₅₀ (rat) >2000 mg/kg b.m. [OECD no. 402]**Skin corrosion/irritation:**

Skin irritation: not irritant (rabbit) [OECD no. 404]

Serious eye damage/ irritation:

Eye irritation: faintly irritant (rabbit). Coefficient IODO for 1/24/48h - 2, for 7 days- 0 [OECD no. 405]

Respiratory or skin sensitisation: product does not contain ingredients identified sensitizing

Germ cell mutagenicity: product does not contain ingredients causes genotoxicity effects

Carcinogenicity: product does not contain ingredients causes carcinogenic effects

Reproductive toxicity: product does not contain ingredients causes genotoxicity effects

STOT - single exposure: based on available data, classification criteria are not met

STOT - repeated exposure: based on available data, classification criteria are not met

Aspiration hazard: based on available data, classification criteria are not met

Data for active substance [literature data] :imidacloprid NOEL (2 years) male rat 100, female rat 300, mouse 330 mg/kg diet;
(52 weeks) dog 500 mg/kg diet. [The e-Pesticide Manual 2.1]

alpha-cypermethrin NOEL (90 days) rat 60 mg/kg diet; no observable adverse effect [The e-Pesticide Manual 2.1]

imidacloprid: ADI (Acceptable Daily Intake): 0.057 mg/kg b.m./day [The e-Pesticide Manual 2.1]

alpha-cypermethrin: ADI (Acceptable Daily Intake): 0.02 mg/kg b.w. [The e-Pesticide Manual 2.1]

Information on likely routes of exposure*Skin Contact: susceptible individuals may cause irritation.**Eye Contact: susceptible individuals may cause irritation.**Inhalation: may cause irritation to mucous membranes and upper respiratory tract.**Ingestion: may be harmful if swallowed***SECTION 12: Ecological information****12.1. Toxicity****Eco-toxicological tests of PENTA 250 FS**fish: LC₅₀/96h - 42,33 mg/l (rainbow trout); LC₅₀/96h - 8,39 mg/l (carpio) [OECD203]daphnia: EC₅₀/48h - 0,30 mg/l [OECD 202]algae: IC₅₀/72h - 6,44 mg/l [OECD 201]For earthworm: LC₅₀ 13,13 mg/kg soil [OECD 207]LC₀ 6,25 mg/kg soilLC₁₀₀ 25 mg/kg soil**12.2. Persistence and degradability**

Alpha - cypermethrin

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DT₅₀ (soil) 25-125 days (tests laboratory in 20°C)
 DT₅₀ (aqua) [pH7, 20°C] 101 days
 DT₅₀ (aqua) [pH9 20°C], 7,3 days

12.3. Bioaccumulative potential

Imidacloprid: bioconcentration BCF: 0,609 (for fish)
 bioconcentration BCF: 0,88 (for earthworm)

12.4. Mobility in soil: None data

Imidacloprid is moderatium mobile in soil. None data for alpha-cypermethrine.

12.5. Results of PBT and vPvB assessment

Imidacloprid is not considered a PBT or vPvB substance.
 Alpha-cypermethrin is not considered a PBT or vPvB substance

12.6. Other adverse effects: no data on other harmful effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Wastes disposal

Do not contaminate water reservoirs and intakes with preparation. The product and the packagings should be treated as dangerous waste. It should be sent to utilization in a plant which is allowed to collect, transport, recycle or neutralize such wastes.

Disposal of used packagings:

Dispose of contents/container to an authorized hazardous waste disposal plant or to a collection point dangerous waste.

Dispose of in accordance with national / local regulations

SECTION 14: Transport information

- 14.1. UN Number UN 3082
- 14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, I.N.O.
- 14.3. Transport hazard class(es) 9
- 14.4. Packing group III
- 14.5. Environmental hazards environmentally hazardous substance
- 14.6. Special precautions for users —
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code - not applicable

SECTION 15: Regulatory information

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

Information on the national status of the substance / mixture:

Authorization biocidal product (in Poland) No 0320/ dated 03.12.2003

Legal Regulations:

- Regulation (EC) no 1907/2006 concerning Registration, Evaluation, Authorisation and Restriction of

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Chemicals (REACH) of 18th December 2006, establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EEC and 2000/21/EC.

- ADR - The European Agreement concerning the International Carriage of Dangerous Goods by Road (in force from January 1st, 2003)

15.2 Chemical safety assessment

A chemical safety assessment was not carried out for this substance.

SECTION 16: Other information

List of R Phrases (from Item 3 of the MSDS):

Acute Tox.4 H302 Harmful if swallowed.

Acute Tox.3 H301 Toxic if swallowed.

STOT RE2 H373 May cause damage to organs through prolonged or repeated exposure.

STOT SE3 H335 May cause respiratory irritation

Aquatic Acute H400: Toxic to aquatic organisms. Very toxic to aquatic organisms.

Aquatic Chronic 1 H410: Chronic Effects on aquatic organisms No. 1 Harmful to aquatic life with long lasting effects.

The MSDS was prepared based on the following sources of information:

1. The e-Pesticide Manual. The British Crop Protection Council.2001
2. Toxicological and ecotoxicological tests of PENTA 250 FS
3. Material Safety Data Sheets from manufacturers and suppliers and other company materials

Recommendations and restrictions of use:

Use in accordance with the label - instructions for use

Further information:

Further information on safety is available at the manufacturer.

Other abbreviations :

EC - is a number assigned to a chemical substance in the European Inventory of Existing Commercial Chemical Substances (EINECS - called the European Inventory of Existing Chemical Substances) , or the number assigned to a substance in the European List of Notified Chemical Substances (ELINCS - called the European List of Notified Chemical Substances) or number in the list of the chemicals listed in " No-longer polymers" .

CAS - it's assigned numerical chemical substance by the American organization, Chemical Abstracts Service (CAS) , allowing the identification of the chemical

NDS - maximum concentration , the value weighted average concentration for which the impact per employee per 8-hour daily and average weekly working time, specified in the Labour Code , the period of its activity should not cause negative changes in his condition and state of health of the future generations

NDSch - maximum permissible instantaneous concentration - the average concentrations specified , a toxic chemical that should not cause adverse changes in the health of the worker , whether in the workplace no longer than 15 minutes and not more than two times during the work shift in succession not less than one hour

NDSP - the concentration of toxic chemical compound that due to the health hazard the worker may not be exceeded in the workplace at any time

NOEL (NOAEL) - stands for no observable adverse effect level - the level of no observable adverse effects

ADI - acceptable daily intake (also translated as: acceptable daily intake or acceptable daily intake) , an indicator of the maximum quantity of a substance which, in accordance with the current state of knowledge can be a man charged daily with food for life probably no adverse health effects.

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drawn up in accordance with the Regulation Commission 2015/830 of 28 May 2015r.

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BCF - bioconcentration factor: a value that describes the degree to which chemicals can accumulate in the tissues of living organisms in the aquatic environment

LC₅₀ - Lethal Dose Media: statistically calculated on the basis of experimental amount of chemical that kills 50% of test organisms as it is given under certain conditions

LD₅₀ - (Lethal Dose), the dose of the substance, calculated in milligrams per kilogram of body weight required to kill 50% of the study population

EC₅₀ - statistically calculated concentration of a chemical in environmental media, which may cause certain effects in 50% of test organisms in a given population under certain conditions

PBT - coefficient determining whether a substance is persistent, bioaccumulative and toxic

vPvB - coefficient determining whether a substance is highly persistent and bioaccumulative very much

The information given in the MSDS should be considered only as a guidance for safe handling in transport, distribution, use and storage. A user is responsible for inappropriate use of information contained herein or for inappropriate use of the product.