

PENTA 250 Forte Plus

Application: The preparation in the form of flowable suspension for diluting water is intended for combating flying insects (flies, mosquitoes, moths, black flies, midges) and crawling insects (cockroaches, bedbugs, ants, silverfish). This product contains Cypermethrin, an active substance that works both by contact and by ingestion. It can be used inside residential buildings, public buildings (hotels, restaurants, cinemas, hospitals, schools, canteens), livestock and utility buildings (milking parlors, stables, animal shelters), industrial facilities (including the food industry), commercial and service facilities, offices, sport venues, in empty warehouses and means of transport as well as in adjacent areas, i.e. on terraces, sidewalks, balconies, parking lots, paved surfaces. Do not perform the treatment in public utility facilities and in livestock or commercial facilities when there are bystanders or animals present. In the case of outdoor use, the product remains effective provided that it has not been removed from the place of use by weather conditions. If the product is removed from the application site, the treatment should be repeated.

Method of application:

- Precisely determine the required amount of working liquid (1L of liquid solution for 20 m2 of surface to be sprayed).
- Shake the packing in order to thoroughly mix the content.
- Dilution rate: mix 50 ml of product to 10L of water.
- Start spraying. In the case of interruptions, before resuming work working fluid mix thoroughly.

Control of flying insects: Flies, mosquitoes, moths, black 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 crawling insects: cockroaches, bed 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.

Notes:

- Do not apply for freshly painted, limed or a plastered surfaces.
- In case of insects re-spawn repeat the procedure.
- Period from product application until the biocidal activity: instant, full effectiveness after 24 hours.
- 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 places of possible contact with skin or food using water with detergent.

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

المبيد مقيد الاستخدام

لبيعه ولا استخدامه فقط من قبل فنيين مرخصين أو تحت إشرافهم الفني المباشر

Public Health Insecticide

مبيد صحة عامة

PENTA 250 FORTE PLUS

بنتا ٢٥٠ فورتى بلس



Insecticide formulation in the form of Flowable suspension for diluting with water.
Effective against flying and crawling insects

مستحضر مبيد حشري على شكل معلق سائل للتخفيف بالماء
فعال ضد الحشرات الطائرة والزاحفة



COMPOSITION:

Active Substances: Imidacloprid 200 g/l,

Cypermethrin 50 g/l, Prallethrin 1 g/l

Other ingredients: up to 100%

Formulation type: Flowable suspension (FS)

Other ingredients: water 59%, other

(organic solvents, stabilizers) 15%

المحتويات:

المواد الفعالة: إيميداكلوبريد ٢٠٠ جم/لتر،

سايبيرميثرين ٥٠ جم/لتر، برالثرين ١ جم/لتر

مواد أخرى: ما يصل إلى ١٠٠٪

صورة المستحضر: معلق أنسيابي اف اس

مواد أخرى: ماء ٥٩٪

المذيبات والمثبتات العضوية: ١٥٪

تحذير

KEEP OUT OF REACH OF CHILDREN

يحفظ المبيد بعيداً عن متناول الأطفال

BEFORE USING THE PRODUCT

READ THE LABEL CAREFULLY

اقرأ بعناية بيانات الملصق للمنتج قبل الإستعمال



Net content
0.5 Liter

رقم التسجيل بوزارة التغير المناخي والبيئة:
MOCCAE Registration Number:
DXB-AD-140-2317101

المحتوى الصافي
٠,٥ لتر

بنتا ٢٥٠ فورتى بلس

الاستخدام:

المستحضر على شكل معلق أنسيابي للتخفيف بالماء مخصص لمكافحة الحشرات الطائرة (الذباب، البعوض، العث، الذباب الأسود، البراغيث) والحشرات الزاحفة (الصراصير، بق الفراش، النمل، السمك الفضي). ويحتوي هذا المنتج على مادة سايبير مثرين، وهي مادة فعالة تعمل عن طريق التلامس والابتلاع. يمكن استخدامه داخل المباني السكنية والمباني العامة (الفنادق والمطاعم ودور السينما والمستشفيات والمدارس والمقاصف)، ومرافق المواشي والمباني الخدمية (معامل الحلب والإسطبلات وملاجئ الحيوانات)، والمنشآت الصناعية (بما في ذلك الصناعات الغذائية)، والمرافق التجارية والخدمية، والمكاتب، والملاعب الرياضية، وفي المستودعات الفارغة ووسائل النقل وكذلك في المناطق المجاورة، مثل المدرجات والأرصعة والشرفات ومواقف السيارات والأسطح المصروفة. لا تقم باستخدام المنتج في مرافق الخدمات العامة وفي المشاة أو المنشآت التجارية في حالة وجود الناس أو الحيوانات، وفي حالة الاستخدام في الهواء الطلق، يظل المنتج فعالاً بشرط ألا يتم إزالته من مكان الاستخدام بسبب الظروف الجوية. وإذا تم إزالة المنتج من موقع الاستخدام، يجب تكرار الاستخدام.

طريقة الاستخدام:

- حدد بدقة الكمية المطلوبة من سائل العمل (١ لتر من محلول السائل ل ٢٠ م ٢ من السطح المراد رشه).
- رج العبوة من أجل خلط المحتوى جيداً.
- معدل التخفيف: يخلط ٥٠ مل من المنتج مع ١٠ لتر من الماء.
- ابدأ بالرش. وفي حالة الرش المتقطع، يخلط السائل الفعال جيداً قبل استئناف الرش.

مكافحة الحشرات الطائرة:

الذباب، البعوض، العث، الذباب الأسود، البراغيث - رش أسطح الجدران المشمسة، ومناطق التوافذ، ومناطق المصابيح، والأعمدة، وأماكن تجمع النفايات، ما لم تستخدم كاماكن للعلف، وغيرها من الأماكن التي تتجمع فيها الحشرات: البعوض - رش الأماكن المظلمة والهادئة ومجاور وتجاويف وزوايا الجدران داخل المباني وخارجها.

مكافحة الحشرات الزاحفة:

الصراصير والبق والنمل والسمك الفضي - رش مسارات الحشرات: مناطق الأنواح، الحائط والأبواب ومناطق مسالك التهوية ومواسير التهوية المركزية، وكذلك الفجوات والشقوق، والأماكن التي تعيش فيها الأفاع (زوايا الجدران، الفجوات في الأرضيات، الأماكن خلف اللافتات وما إلى ذلك) داخل المباني وخارجها.

ملاحظات:

- لا يتم استخدام المنتج على الأسطح المطلية حديثاً أو الأسطح الجيرية أو المغطاة بالجبس.
- في حالة إعادة تكاثر الحشرات يكرر استخدام المنتج.
- الفترة من استخدام المنتج حتى نشاط المبيد: فورا، فعالية كاملة بعد ٢٤ ساعة.
- لا يجوز استخدام الغرفة إلا بعد جفاف الأسطح وتهوية الغرفة جيداً. الحد الأدنى من الوقت لتهوية الغرفة: ١ ساعة.
- بعد الانتهاء من استخدام المنتج، اغسل جيداً جميع الأماكن التي يمكن ملامستها للجلد أو الطعام باستخدام الماء مع المنظفات.

Manufacturing date:

تاريخ الإنتاج:

Expiry date:

تاريخ الانتهاء:

Batch number:

رقم التشغيل:

Precautions:

- 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.
- This product is not a Plant Protection Product.

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. In situations when other medical help not included in the precautions is necessary or required please contact the nearest Toxicology center,

Warning:

- H302 Harmful if swallowed.
- H410 Very toxic to aquatic life with long lasting effects.
- 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 center or doctor.
- P501: Dispose of contents/container to an authorized hazardous waste disposal plant or to a collection point dangerous waste.

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.

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

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.

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 duration of validity for a period under the conditions of the United Arab Emirates.

الشركة المنتجة

زد بي يوأش ، بست بست ، مالجورزاتا

سويتشلاوسكا ، جاسيك

سويتوستوسكي سيولكا جاونو أول ،

موزدزيرزوكاو ٦ ب ، ٤٢ - ٦٠٢

جاورزنو/ بولندا : هاتف : ٦١٧٧٥٧١ (+٤٨٢٢)

فاكس : ٦١٥٠٠٠٧ (+٤٨٢٢)

Producer

ZPUH, BEST PEST Malgorzata

Świętosławska Jacek

Świętosławski. ul.

Moździerzowców 6b 43-602

Jaworzno/Poland

Tel (+48 32) 617 75 71

Fax (+48 32) 615 00 07



الموزع المحلي Local Distributer

مؤسسة روابي الإمارات / EMIRATES RAWABI EST.

ص.ب. ١٥٤٥٩ دبي PO Box: 15459 Dubai UAE

تليفون: Tel: +9714-2227973

www.rawabiemirates.com

الاحتياطات :

- قبل الرش ، يجب إزالة جميع الأشخاص والحيوانات والنباتات والأطعمة غير المعبأة وأدوات المطبخ وأدوات المائدة من الغرفة.
- يجب ارتداء ملابس وقفازات ونظارات واقية أثناء الرش.
- لا يتم رش أسرة ولعب الأطفال.
- لا يتم رش أي معدات كهربائية في وضع التشغيل.
- لا تاكل أو تشرب أو تدخن عند استخدام هذا المنتج.
- اغسل يديك ووجهك بالماء والصابون بعد الانتهاء من العمل.
- قم بتنظيف جهاز الرش.
- لا تلوث أحواض وخزانات ومداخل ومخارج المياه عند التحضير.
- هذا المنتج ليس منتجاً لوقاية النباتات.

الإسعافات الأولية :

الاستنشاق - إخراج المصاب من منطقة التعرض للمنتج ، وتوفير الهواء النقي والراحة.

تلوث الجلد - اخلع جميع الملابس الملوثة. اغسل الجلد بالماء ثم بالماء والصابون. اغسل الملابس قبل إعادة استخدامها.

تلوث العين - اغسل العين بغسل مناسب للعين أو بالماء النقي لمدة ١٠ دقائق على الأقل ، مع إبقاء الجفون مفتوحة. استشر طبيب - طبيب عيون.

البلع - اشطف الفم جيداً بالماء (لا تشرب الحليب أو الزيت أو الكحول) . اتصل بالطبيب ، واعرض عليه / عليها لمصق المستحضر.

ابتلاع المبيد الحشري: يغسل الفم جيداً بالماء (لا تقدم الحليب أو الزيت أو الكحول ليشربها المصاب)

اتصل بالطبيب وقدم له / لها المصق البياني للمستحضر .

معلومات عن الإسعافات الأولية للأطباء : الترياق / مضاد السم - لا شيء ؛ يطبق علاج الأعراض.

في الحالات التي تكون فيها المساعدة الطبية الأخرى غير المدرجة في الاحتياطات ضرورية أو مطلوبة ، يرجى الاتصال بأقرب مركز للسموم.

تحذيرات:

H٢٠٢ خطر في حالة الابتلاع.

H٤١٠ شديد السمية للحياة المائية وأثاره طويلة الأمد.

P١٠٢ يحفظ بعيداً عن متناول الأطفال.

P٢٦١ تجنب استنشاق الأبخرة / الرذاذ.

P٢٦٢ تجنب دخوله العين أو الجلد أو الملابس.

P٢٧٢ تجنب انطلاقه في البيئة المحيطة.

P٢٨٠ يجب ارتداء القفازات الواقية والملابس الواقية والنظارات الواقية للعين.

P٢٠١ + P٢١٠ في حالة الابتلاع: اتصل فوراً بمركز السموم أو طبيب السموم.

P٥٠١ تخلص من المحتويات / الحاوية في معمل مرخص للتخلص من النفايات الخطرة أو في نقطة تجميع النفايات الخطرة.

التخلص من النفايات :

يجب التعامل مع المنتج والعبوات على أنها نفايات خطيرة. ويجب إرسالها للاستخدام في معمل مرخص له بجمع هذه النفايات أو نقلها أو إعادة تدويرها أو تحييدها.

التخلص من العبوات المستعملة : تخلص من المحتويات / الحاوية إلى معمل مرخص للتخلص من النفايات الخطرة أو في نقطة تجميع النفايات الخطرة.

أعراض التسمم : صداع أو دوار ، غثيان ، قيء ، تهيج ، احمرار الجلد ، تفاعلات حساسية ، سيلان الأنف.

التخزين : يخزن في عبوة أصلية مغلقة بإحكام في مكان جاف جيد التهوية بدرجة حرارة معتدلة (لا تقل عن ٥ درجات مئوية ولا تزيد عن ٢٠ درجة مئوية) . يحفظ بعيداً عن متناول الأطفال. لا يخزن مع الأطعمة والمشروبات وعلف الحيوانات.

يحفظ المنتج بعيداً عن الأطفال . لا تخزن المنتج مع الأطعمة والمشروبات والأعلاف الحيوانية .

الضمان :

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

PENTA 250 FORTE PLUS

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

1.1. Product identifier

PENTA 250 FORTE PLUS

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

Biocidal product - Insecticide.

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

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.

PENTA 250 FORTE PLUS**SECTION 3: Composition / Information on ingredients**

3.1 Substances: not applicable

3.2. Mixtures

Imidacloprid*(E)-1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine;(2E)-1-[(6-chloropyridin-3-yl)methyl]-N-nitroimidazolidin-2-imine*

Contents: 200 g/l

EC No: 428-040-8

No CAS: 138261-41-3

Annex I Index 612-252-00-4

Classification: Acute Tox. 3 H301; Aquatic Acute 1 H400, Aquatic Chronic 1 H410

Other data: M-Faktor M=100, M(Chronic)=1000; oral: ATE = 131 mg/kg bw (-)

cypermethrin (*α-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate*)

Contents: 50 g/l

EC No: 257-842-9

No CAS: 52315-07-8

Annex I Index 607-421-00-4

Classification: Acute Tox. 4 H302 H332; STOT SE 3 H335; Aquatic Acute 1 H400, Aquatic Chronic 1 H410

Other data: M=100000, M(Chronic)=100000; inhalation: ATE = 3.3 mg/L (dusts/mists)
oral: ATE = 500 mg/kg bw (-)**prallethrin** *ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate*

Contents: 1 g/l (0,1%)

No WE: 247-387-9

No CAS: 23031-36-9

Annex I Index: 607-431-00-9

Index: Acute Tox. 4 H302, Acute Tox. 3 H331, Aquatic Acute 1 H400, Aquatic Chronic 1 H410

Other data: : M=10

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.

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

Antidote - none. Apply symptomatic treatment.

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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 vapours: 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*.

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).

PENTA 250 FORTE PLUS**SECTION 8: Exposure controls /personal protection****8.1. Control parameters**

NDS, NDSch –not specified

*Regulation of the Minister of Family, Labor and Social Policy of 12 June 2018 on the highest allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286).***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
Odour:	characteristic chemical, faint
pH:	undefined
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:	undefined
Solubility:	with water gives a stable suspension
Log Kow:	log P _{o/w} for cypermethrin: 5.3-5.6 log P _{o/w} for imidacloprid: 0,57; 4,49 prallethrin
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

PENTA 250 FORTE PLUS**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****No tests for the mixture PENTA 250 FORTE PLUS**

Acute toxicity: Harmful if swallowed (based on the content of hazardous ingredients)

Skin corrosion/irritation: not irritating (based on the content of hazardous ingredients)

Serious eye damage/ irritation: not irritating (based on the content of hazardous ingredients)

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

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.

11.2 Information on other hazards**Data for active substance [literature data] :****imidacloprid**

oral: LD₅₀ (rat) ok. 450 mg/kg m.c.; ATE(oral) = 131 mg/kg bw

dermal: LD₅₀ (rat) >5000 mg/kg m.c.

inhal: LC₅₀/24h(rat) > 5.33 mg/L (dust), > 0.069 mg/L (aerosol)

Skin corrosion/irritation: does not irritate (rabbit)

Serious eye damage/eye irritation: does not irritate (rabbit)

cypermethrin

oral: LD₅₀ (rat) 287 mg/kg m.c. [Review report SANCO /4333/2000]; ATE(oral) = 500 mg/kg bw

dermal: LD₅₀ (rat) >2000 mg/kg m.c. [Review report SANCO /4333/2000]

inhal.: LC₅₀ (rat) 3.28 mg/l [Review report SANCO /4333/2000]

Skin corrosion/irritation: does not irritate (rabbit)

Serious eye damage/eye irritation: does not irritate (rabbit)

PENTA 250 FORTE PLUS**Dane toksykologiczne dla substancji czynnej praletryna**oral: LD₅₀ (rat) ok. 2500 mg/kg m.c.; ATE(oral) = 131 mg/kg bwdermal: LD₅₀ (rat) >2000 mg/kg m.c.inhal.: LC₅₀/24h(rat) > 0,465 mg/L

Skin corrosion/irritation: does not irritate (rabbit)

Serious eye damage/eye irritation: does not irritate (rabbit)

SECTION 12: Ecological information**12.1. Toxicity****No tests for the mixture PENTA 250 FORTE PLUS given data refer to the active substances [literature data]:****Imidacloprid:**fish: LC₅₀/96h 211 mg/l (rainbow trout)daphnia: EC₅₀/48h 85 mg/l (*Daphnia magna*);algae: ErC₅₀ >100 mg/l (*Selenastrum capricornutum*)For earthworm: LC₅₀ 10.7 mg/kg gleby (*Eisenia fetida*); NOEC 56d ≥ 0.178 mg/kg soil**cypermethrin:**fish: LC₅₀/96h 0.0083 mg/l (rainbow trout)daphnia: EC₅₀/48h 0.0002 mg/l (*Daphnia magna*);algae: EC₅₀/72h 0.2 mg/l⁻¹ (*Selenastrum capricornutum*)For earthworm: LC₅₀ >100mg/kg gleby (*Eisenia fetida*); NOEC 56d ≥ 0.178 mg/kg soil**12.2. Persistence and degradability****cypermethrin**DT₅₀ (soil) < 1 monthDT₅₀ (aqua) [pH7, 20°C] > 1 year DT₅₀ (aqua) [pH8 25°C], < 1 month**12.3. Bioaccumulative potential**

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

Cypermethrin: bioconcentration BCF (fish) 373

12.4. Mobility in soil: None data

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

12.5. Results of PBT and vPvB assessment

Imidacloprid is not considered a PBT or vPvB substance.

cypermethrin is not considered a PBT or vPvB substance

12.6. Endocrine disrupting properties: The mixture does not contain substances meeting the above criteria**12.7 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 packaging 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 packaging:

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

MATERIAL SAFETY DATA SHEET

in accordance with Commission Regulation (EU) 2020/878 of 26.06.2020 (REACH)

Created: 2019-08-14

Updated: 2022-11-14

Version: 1.1 EN

PENTA 250 FORTE PLUS

SECTION 14: Transport information

14.1. UN number or ID 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. Maritime transport in bulk according to IMO instruments - not applicable	

SECTION 15: Regulatory information

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

Legal Regulations:

- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 regarding the making available on the market and use of biocidal products.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on the classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC, and amending Regulation (EC) No. 1907/2006
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the registration, evaluation, authorization and restrictions of chemicals (REACH), establishment of the 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 Directive 91/155 / EEC, 93/67 / EEC, 93/105 / EEC and 2000/21 / EC (as amended)
- European agreement on the international transport of dangerous goods ADR 2019-2021

15.2 Chemical safety assessment

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

SECTION 16: Other information

List of H 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

PENTA 250 FORTE PLUS**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.

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.