



رقم التسجيل : DXB-AD-140-2135471  
التاريخ : 21-11-2022

قطاع التنوع الغذائي  
إدارة التنمية والصحة الزراعية

مقيد	كيميائي	تسجيل مبيد
		مبيد آفات صحة عامة (حشري)
		تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية
		الاسم التجاري للمبيد : CIPERNIOL
		بلد التسجيل : فرنسا
		المواد الفعالة وتركيزها : CYPERMETHRIN 9.3%, GERANIOL 1%
		52315-07-8, 106-24-1 : CAS RN
		صورة المستحضر : EMULSION, OIL IN WATER (EW)
		حجم العبوة : لتر 1
		بلد (التسجيل/المنشأ) والشركة المنتجة : اسبانيا - BIOPLAGEN S.L
		الشركة المحلية المستوردة : الفافيت لتجارة الادوية البيطرية والمبيدات ش.ذ.م.م
		تاريخ إصدار الشهادة : 21-11-2022
		صالحة حتى : 20-11-2027
		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 : 147869226039038273

تاريخ إيصال الشهادة : 13-11-2022

مدير إدارة الشؤون البلدية

رمز التحقق : 217-4074



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## Precautionary Statement

## التحذيرات

Harmful if swallowed, may cause an allergic skin reaction, very toxic to aquatic life with long lasting effects. It contains 1,2-benzisothiazol-3(2H)-one, genarolil, avoid breathing dust/fume/gas/mist/vapours/spray. Wash yourself thoroughly after handling, avoid release to the environment, do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear, Rinse mouth, Collect spillage

ضار إذا تم بلعه، قد يسبب تفاعل جلدي تحسسي، شديد السمية للحياة المائية مع تأثيرات طويلة الأمد، يتحوي على 1,2-بنزيسوثيازول-3(2H) (2H) 1، جيرانوليول، تجنب استنشاق غبار/بخار/غاز/ضباب/دخان المنتج، اغسل فمك جيداً بعد التعامل مع المنتج، تجنب إطلاقه في البيئة، لا تأكل أو تشرب أو تدخن أثناء استعمال هذا المنتج، قم بإزالة النظارات الواقية/ الملابس الواقية/ الواقي العيني/ والواقي التنفسي/ وافي العيين/ اغسل الفم، اجمع المسكوب من المنتج.

## First Aid

## الاسعافات الأولية

The symptoms resulting from poisoning may appear a time after the exposure, Therefore, in case of doubts, direct exposure to the chemical product or persistence of malaise, ask for medical attention and show the practitioner the MSDS of this product. If inhaled: It is a product that does not contain substances that can be classified as dangerous if inhaled. However, in case of symptoms of intoxication, remove the affected person from the area of exposure and ensure fresh air. Seek medical advice if symptoms become more severe or persist Contact with skin: May cause an allergic skin reaction in case of contact, wash the affected area with plenty of water and neutral soap. In case of alterations on the skin (rash, redness, itch, blisters,...), seek medical advice and take this MSDS with you. Contact with eyes: Rinse at least for 15 minutes with plenty of water at room temperature, and avoid that the affected person rubs or closes the eyes. If the affected person uses contact lenses, remove them if they are not adhered to the eyes; otherwise, an additional damage would be caused. In all cases, after cleaning, seek medical advice as soon as possible. Take this product's MSDS with you. Intake/Aspiration: Seek immediate medical advice, take with you the product's MSDS. Do not provoke vomiting. If vomit occurs, keep the head inclined forward to avoid aspiration. In case of loss of conscience do not administer anything by mouth until this has been supervised by a doctor. Wash the mouth and the throat since there is the possibility that the mouth and the throat have been affected due to the intake. Keep the affected person at rest.

قد تظهر الأعراض الناتجة عن التسمم بعد مدة من التعرض لذلك، في حالة الشك، اطلب العناية الطبية في حالات التعرض المباشر للمنتج الكيميائي، أو الصب مع اطلاع الطبيب على نشرة بيانات السلامة لهذا المنتج، في حالة الاستنشاق، لا يحتوي المنتج على مواد يمكن تصفيها عن طريق فلاتر في حالة الاستنشاق لكن في حالة ظهور أعراض التسمم، يوصى بإزالة الشخص المصاب من منطقة التعرض، مع تزويده بالهواء النقي، اطلب النصيحة الطبية إذا أصبحت الأعراض أكثر شدة أو استمرت. ملامسة الجلد: قد يسبب المنتج حساسية الجلد في حالة ملامسته، في هذه الحالة، قم بغسل الجلد بكثرة وبوفرة مع الماء والصابون الجيد، إذا حدثت تغيرات جلدية (طفح، احمرار، حكة، بثور، ...). اطلب النصيحة الطبية وخذ معك نشرة بيانات السلامة لهذا المنتج هذا المنتج ملامسة العين: اشطف العينين جيداً بالماء الفاتر لمدة 15 دقيقة على الأقل، تأكد من عدم فرك الشخص المصاب بعينه أو لإغلاظهما، إذا كان الشخص المصاب يستخدم العدسات اللاصقة، قم بإزالتها ما لم تكن ملتصقة، وفي هذه الحالة لا ينتج المزيد من الضرر. في كل الحالات، بعد النظافة، اطلب النصيحة الطبية بأسرع ما يمكن، خذ معك نشرة بيانات السلامة لهذا المنتج، في حالة البلع أو الارتشاف: اطلب النصيحة الطبية فوراً، وخذ معك نشرة بيانات السلامة لهذا المنتج، لا تتعرض للتقيؤ، ولكن إذا حدث، فأبق الرأس مائلاً إلى الأمام تجنب الاستنشاق. في حالة فقدان الوعي لا تعط أي شيء بالفم ما لم تكن ذلك تحت إشراف الطبيب، اشطف الفم والحلق، فهناك احتمال تأثرهما أثناء البلع، حافظ على راحة الشخص المصاب.

## التخزين والتخلص من العبوات

Store in a secure place into the original container, well closed. Dispose of the content/the container in accordance with the current applicable regulations on hazardous residues. The manufacturer shall not be held liable for the damages or losses resulting from poor storage, wrong use or insupportable compliance of the instructions. Store it in a fresh and dry place, and avoid direct impact of sunlight on the container.

يُخزن في مكان آمن وفي عبواته الأصلية، محكمة الغلق، التخلص من المحتوى/ العبوة حسب اللوائح المطبقة السارية المتعلقة بالبقايا الخطرة، لا يشمل المنتج أي مسؤولية تجاه الأضرار أو الخسائر الناتجة عن سوء التخزين أو الاستخدام الخاطئ أو عدم التيقن بإرشادات استخدام المنتج. يُخزن في مكان جيد التهوية وجاف مع عدم تعرض المنتج لأشعة الشمس المباشرة

Size: 1 Litre.  
العبوة: 1 لتر.

KEEP OUT OF REACH OF CHILDREN  
يحفظ بعيداً عن متناول الأطفال

## Restricted Use Pesticides...المبيد مقيد الاستخدام

For Retail Sale to and use only by certified Applicators or Persons under their Direct Supervision...ليبيعه ولاستخدامه فقط من قبل فنيين مرخصين أو تحت إشرافهم الفني المباشر.

## Public health Pesticide

## مبيد صحة عامة

# CIPERNIOL

# سايبيرنيول

## Concentrated Water Based emulsion insecticide (EW)

مبيد حشري مائي مركّز في مستحلب

## For the control of crawling and flying insects.

## مبيد حشري لمكافحة الحشرات الزاحفة والطائرة

المواد الفعالة: سايبيرميثرين 9.3%، جيرانوليول 1%

Cypermethrin 9.3% - Genarolil 1%

مُذِيبَاتٍ مَناسِبَةٍ حَتَّى : 100% Suitable Excipients till: 100%

The Sole Agent in UAE: ALPHAVET Veterinary Medicines & Insecticides Trading.  
Dubai-P.O. Box: 455007.

الوكيل الوحيد بدولة الإمارات العربية المتحدة: ألفاڤيت للتجارة الدولية البيطرية والمبيدات - دبي، ص.ب. 455007.

Manufacturing Company - Bioplag S.L. - Avda. De Castilla de Cuesta, 26 (PISO 1º)BIO - BOLLUS DE LA MITACION - Sevilla, SPAIN  
الشركة المنتجة: بيوبلاج إس.إل - أف. دي كاستيلا دي لا كوستا 26 طابق 1 - بولوس دي لا ميتاجيون - سبيليا، إسبانيا  
٢٦ يونيو ٢٠١١ - بولوس دي لا ميتاجيون - سبيليا، إسبانيا

Ministry of Climate Change & Environment  
رقم التسجيل بوزارة التغير المناخي والبيئة  
Registration Number  
DXB-AD - 140 - 2135471

## Fields for Use

## مجالات الاستخدام

CIPERNIOL combines an acaricide-insecticide of the pyrethroid type (cypermethrin) by activity by contact and intake with the power of genarolil. CIPERNIOL is characterised by its intense shock effect and high activity at low doses. CIPERNIOL is effective against a broad range of crawling and flying insects and ticks (cockroaches, flies, fleas, spiders, wasps, ants, moths, mosquitoes, scorpions, etc.). CIPERNIOL is appropriate for insecticide and acaricide treatments outdoors and inside homes and civil buildings, such as community places (schools, hospitals, cinemas, theatres, camping areas, hotels, residences, barracks), homes (apartments, houses, kitchens, canopies); production areas (food industry, warehouses, deposits, canteens, restaurants); zootechnic areas (farms, manure yards, animals refuges, stables, kennels); composting plants, dumps, purifiers, sewage system, manholes, cargo holds, train wagons, human, animal or merchandise transportation means)

يجمع سايبيرنيول بين قوة إبادة القراد والحشرات للبيروثرويدية (سايبيرميثرين)، وهو فعال بالملامسة والبلع، وبين قوة جيرانوليول. سايبيرنيول يتأثره ذي الصدمة القوية وفعالته العالية في جرعات منخفضة، سايبيرنيول فعال ضد مجموعة واسعة من الحشرات الزاحفة والطائرة والقراد (الصرصور، الذباب والبراغيث والعناكب والنمل والبعلث والبعوض والغباري والخ)، سايبيرنيول مناسب لإبادة الحشرات والقراد خارج وداخل المنازل والمباني الحضرية مثل الأماكن المجتمعية (المدارس، المستشفيات، دور السينما، المراكز، أماكن الترفيه، الفنادق، المسانج، الشكاك) والمساكن (الشقق، المنازل، المطابخ، الشرفات)، ومناطق الإنتاج (مصانع الأغذية، المستودعات، المخازن، المقاصف، والمطاعم)، ومناطق تربية الحيوانات (المزارع، ساحات الروث، حظائر الحيوانات، الإسطبلات، وبيوت الكلاب)، ومصانع الأسمدة الطبيعية، ومصامر الطيور، والمقليات، وأظفة الصرف الصحي، والمهولات، ومستودعات الشحن، وعربات القمامات، ووسائل نقل البشر والحيوانات والبضائع.

## Dose and Mode of Use الجرعة وطريقة الاستخدام

In general, use from 0.4 to 1% (40 - 100 ml / 10 L of water). The doses must be calculated based on the characteristics of the infesting insect to be treated, and of the environment and the surface where the action must take place.

عموماً، استخدم 0.4 - 1% (40 - 100 مل / 10 لتر ماء). يجب حساب الجرعة على أساس خواص الحشرة المتفشية المراد إبادتها والبيئة والسطح حيث تُجرى المعالجة.

The dose for 250 m <sup>2</sup> is:	الجرعة لكل ٢٥٠ م <sup>2</sup> هي:
Flying insects (flies, mosquitoes) الحشرات الطائرة (الذباب والبعوض)	40 ml / 10 Litre of water ٤٠ مل / 10 لتر ماء
Crawling insects (cockroaches, ants, Bed Bugs ) الحشرات الزاحفة (الصرصور، النمل، بق الفراش)	50 ml / 10 Litre of water ٥٠ مل / 10 لتر ماء
Ticks القراد	100 ml / 10 Litre of water ١٠٠ مل / 10 لتر ماء
Thermal Foggers التضبيب الحراري	50 ml/10 Litre of water for 1000 m <sup>2</sup> ٥٠ مل / 10 لتر ماء لكل 1000 متر مربع
ULV بخاخ الرذاذ متناهي الصغر	50 ml/10 Litre of water for 1000 m <sup>2</sup> ٥٠ مل / 10 لتر ماء لكل 1000 متر مربع

Spray from a distance of 15 - 25 cm, if possible, in two stages, on walls, pavement, perimetric areas, close to cracks, openings, corners and areas where the animals use to pose and, in any place, where the insects can build their nests or fly. Leave the surface to dry after use.

قم بالرش من مسافة 15 - 25 سم مستمتعاً على مرحلتين إن أمكن، رش الجدران، الأرضية والمناطق المحيطة، بالقرب من الشقوق، الفتحات، الأركان والأماكن التي تظهر فيها الحشرات وفي أي مكان تتشعب فيه الحشرات أو تطير فيه. دع السطح يجف بعد الاستخدام.

## Warranty Statement الضمان

The Manufacturing Company guarantee the Chemical and physical specifications of this pesticide and the safety of the original package in normal storage within the Duration of its Validity under the conditions of the United Arab Emirates.

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

P/Date:  
E/Date:  
Batch No.

تاريخ الإنتاج  
تاريخ الانتهاء  
رقم التغليف



## CIPERNIOL

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

- 1.1 Product identifier:** CIPERNIOL  
**Other means of identification:**  
Non-applicable
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Insecticide  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
BIOPLAGEN, S.L  
Av. Castilleja de la Cuesta 26, PIBO  
41110 BOLLULLOS DE LA MITACIÓN – SEVILLA – España  
Phone: 955776577  
bioplagen@bioplagen.com  
www.bioplagen.com
- 1.4 Emergency telephone number:**

### SECTION 2: HAZARDS IDENTIFICATION \*\*

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302  
Aquatic Acute 1: Hazardous to the aquatic environment, acute hazard, Category 1, H400  
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard, Category 1, H410  
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Warning**
-  
- Hazard statements:**  
Acute Tox. 4: H302 – Harmful if swallowed.  
Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.  
Skin Sens. 1: H317 – May cause an allergic skin reaction.
- Precautionary statements:**  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P330: Rinse mouth.  
P391: Collect spillage.  
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- Supplementary information:**

\*\* Changes with regards to the previous version

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## CIPERNIOL

### SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)

Contains 1,2-benzisothiazol-3(2H)-one, Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol.

#### 2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

\*\* Changes with regards to the previous version

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance:





Non-applicable

#### 3.2 Mixture:

**Chemical description:** Biocide/s

#### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 95481-62-2 EC: 619-131-5 Index: Non-applicable REACH: Non-applicable	<b>Dibasic ester<sup>(1)</sup></b>	Self-classified	10 - <25 %
	Regulation 1272/2008	Acute Tox. 4: H302 – Warning 	
CAS: 52315-07-8 EC: 257-842-9 Index: Non-applicable REACH: Non-applicable	<b>Cypermethrin<sup>(1)</sup></b>	Self-classified	9,3%
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; STOT RE 2: H373; STOT SE 3: H335 – Warning 	
CAS: 106-24-1 EC: 203-377-1 Index: 603-241-00-5 REACH: 01-2119552430-49-XXXX	<b>Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol<sup>(1)</sup></b>	ATP ATP15	1%
	Regulation 1272/2008	Skin Sens. 1: H317 – Warning 	
CAS: 2634-33-5 EC: 220-120-9 Index: 613-088-00-6 REACH: 01-2120761540-60-XXXX	<b>1,2-benzisothiazol-3(2H)-one<sup>(1)</sup></b>	ATP CLP00	<1 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 – Danger 	

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

#### Other information:

Identification	M-factor	
	Cypermethrin CAS: 52315-07-8 EC: 257-842-9	Acute
	Chronic	1000

Identification	Specific concentration limit
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	% (w/w) >=0,05; Skin Sens. 1 – H317

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

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## CIPERNIOL

### SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Non-applicable

### SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media:**

Non-applicable

**5.2 Special hazards arising from the substance or mixture:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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**CIPERNIOL**

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

**For emergency responders:**

See section 8.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.-General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and destroy using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.-Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D. Technical recommendations to prevent environmental risks

-

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:**

A.-Technical measures for storage

Minimum Temp.: 5 °C  
Maximum Temp.: 35 °C  
Maximum time: 36 Months

B.-General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

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## CIPERNIOL

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

#### DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol CAS: 106-24-1 EC: 203-377-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	161,6 mg/m <sup>3</sup>	Non-applicable
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,966 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6,81 mg/m <sup>3</sup>	Non-applicable

#### DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol CAS: 106-24-1 EC: 203-377-1	Oral	Non-applicable	Non-applicable	13,75 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	47,8 mg/m <sup>3</sup>	Non-applicable
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,345 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,2 mg/m <sup>3</sup>	Non-applicable

#### PNEC:

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol CAS: 106-24-1 EC: 203-377-1	STP	0,7 mg/L	Fresh water	0,011 mg/L	
	Soil	0,017 mg/kg	Marine water	0,001 mg/L	
	Intermittent	0,108 mg/L	Sediment (Fresh water)	0,115 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	0,011 mg/kg	
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1,03 mg/L	Fresh water	0,00403 mg/L	
	Soil	3 mg/kg	Marine water	0,000403 mg/L	
	Intermittent	0,0011 mg/L	Sediment (Fresh water)	0,0499 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	0,00499 mg/kg	

#### 8.2 Exposure controls:

##### A.-Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

##### B.-Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

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CIPERNIOL



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

C.–Specific protection for the hands



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D. Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.– Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.– Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 °C:	0 kg/m <sup>3</sup> (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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## CIPERNIOL

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

#### 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C:	Liquid
Appearance:	Not available
Colour:	Not available
Odour:	Not available
Odour threshold:	Non-applicable *

**Volatility:**

Boiling point at atmospheric pressure:	Non-applicable *
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	Non-applicable *
Evaporation rate at 20 °C:	Non-applicable *

**Product description:**

Density at 20 °C:	1071,2 kg/m <sup>3</sup>
Relative density at 20 °C:	1,071
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

**Flammability:**

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	250 °C
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

**Particle characteristics:**

Median equivalent diameter:	Non-applicable
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#### 9.2 Other information:

**Information with regard to physical hazard classes:**

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

**Other safety characteristics:**

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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## CIPERNIOL

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 °C: Non-applicable \*

Refraction index: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

#### 10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

#### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

#### 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

#### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

##### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

##### A- Ingestion (acute effect):

- Acute toxicity : The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

##### C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

**CIPERNIOL**

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.

IARC: Non-applicable

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

**F- Specific target organ toxicity (STOT) – single exposure:**

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

**G- Specific target organ toxicity (STOT)-repeated exposure:**

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**H- Aspiration hazard:**

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
Cypermethrin CAS: 52315-07-8 EC: 257-842-9	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	11 mg/L (ATEi)	Rat
Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol CAS: 106-24-1 EC: 203-377-1	LD50 oral	3600 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Dibasic ester CAS: 95481-62-2 EC: 619-131-5	LD50 oral	500 mg/kg (ATEi)	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	Non-applicable	
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>5 mg/L	

**Acute Toxicity Estimate (ATE mix):**

ATE mix	Ingredient(s) of unknown toxicity
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**CIPERNIOL**

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Oral	1766,78 mg/kg (Calculation method)	0 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	118,28 mg/L (4 h) (Calculation method)	0 %

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

**Other information**

Non-applicable

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:**

**Acute toxicity:**

Identification	Concentration		Species	Genus
	LC50	>0.1 – 1 (96 h)		
Cypermethrin CAS: 52315-07-8 EC: 257-842-9	LC50	>0.1 – 1 (96 h)		Fish
	EC50	>0.1 – 1 (48 h)		Crustacean
	EC50	>0.1 – 1 (72 h)		Algae
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LC50	>0.1 – 1 (96 h)		Fish
	EC50	>0.1 – 1 (48 h)		Crustacean
	EC50	>0.1 – 1 (72 h)		Algae

**12.2 Persistence and degradability:**

Identification	Degradability		Biodegradability	
	BOD5	Non-applicable	Concentration	10 mg/L
Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol CAS: 106-24-1 EC: 203-377-1	COD	Non-applicable	Period	3 days
	BOD5/COD	Non-applicable	% Biodegradable	95 %
	BOD5	Non-applicable	Concentration	100 mg/L
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	0 %

**12.3 Bioaccumulative potential:**

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## CIPERNIOL

### SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Cypermethrin CAS: 52315-07-8 EC: 257-842-9	BCF	420
	Pow Log	6.6
	Potential	High
Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol CAS: 106-24-1 EC: 203-377-1	BCF	
	Pow Log	2.6
	Potential	
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	2
	Pow Log	1.45
	Potential	Low

#### 12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Cypermethrin CAS: 52315-07-8 EC: 257-842-9	Koc	5800	Henry	4,256E-2 Pa · m <sup>3</sup> /mol
	Conclusion	Immobile	Dry soil	No
	Surface tension	Non-applicable	Moist soil	No
Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol CAS: 106-24-1 EC: 203-377-1	Koc	70.79	Henry	Non-applicable
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable

#### 12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

#### 12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

#### 12.7 Other adverse effects:

Not described

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
20 01 19*	Pesticides	Dangerous

#### Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP6 Acute Toxicity

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: TRANSPORT INFORMATION

#### Transport of dangerous goods by land:

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**CIPERNIOL**

**SECTION 14: TRANSPORT INFORMATION (continued)**

With regard to ADR 2021 and RID 2021:



- |  |  |
|--|--|
| <b>14.1 UN number or ID number:</b>                                  | UN3082   |
| <b>14.2 UN proper shipping name:</b>                                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,2-benzisothiazol-3(2H)-one; Cypermethrin) |
| <b>14.3 Transport hazard class(es):</b>                              | 9  |
| Labels:  | 9  |
| <b>14.4 Packing group:</b>   | III  |
| <b>14.5 Environmental hazards:</b>                                   | Yes  |
| <b>14.6 Special precautions for user</b>                             |  |
| Special regulations:   | 274, 335, 375, 601   |
| Tunnel restriction code:   | –  |
| Physico-Chemical properties:   | see section 9  |
| Limited quantities:  | 5 L  |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable   |

**Transport of dangerous goods by sea:**

With regard to IMDG 39-18:



- |  |  |
|--|--|
| <b>14.1 UN number or ID number:</b>                                  | UN3082   |
| <b>14.2 UN proper shipping name:</b>                                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,2-benzisothiazol-3(2H)-one; Cypermethrin) |
| <b>14.3 Transport hazard class(es):</b>                              | 9  |
| Labels:  | 9  |
| <b>14.4 Packing group:</b>   | III  |
| <b>14.5 Marine pollutant:</b>  | Yes  |
| <b>14.6 Special precautions for user</b>                             |  |
| Special regulations:   | 335, 969, 274  |
| EmS Codes:   | F-A, S-F   |
| Physico-Chemical properties:   | see section 9  |
| Limited quantities:  | 5 L  |
| Segregation group:   | Non-applicable   |
| <b>14.7 Maritime transport in bulk according to IMO instruments:</b> | Non-applicable   |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2022:

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**CIPERNIOL**

**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number or ID number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,2-benzisothiazol-3(2H)-one; Cypermethrin)
- 14.3 Transport hazard class(es):** 9  
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Maritime transport in bulk according to IMO instruments:** Non-applicable

**SECTION 15: REGULATORY INFORMATION**

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

Composition of the active ingredients (Regulation (EU) No 528/2012): Cypermethrin (9.3%); Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol (1%)

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Cypermethrin (Product-type 8, 18) ; Geraniol (2E)-3,7-dimethylocta-2,6-dien-1-ol (Product-type 18, 19) ; 1,2-benzisothiazol-3(2H)-one (Product-type 2, 6, 9, 11, 12, 13)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**

Section	Description	Lower-tier requirements	Upper-tier requirements
E1	ENVIRONMENTAL HAZARDS	100	200

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

\*\* Changes with regards to the previous version

– CONTINUED ON NEXT PAGE –

**SECTION 16: OTHER INFORMATION \*\***

**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II–Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements
- Precautionary statements
- Supplementary information

**Texts of the legislative phrases mentioned in section 2:**

H400: Very toxic to aquatic life.

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

H317: May cause an allergic skin reaction.

H302: Harmful if swallowed.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 – Harmful if swallowed.

Acute Tox. 4: H302+H332 – Harmful if swallowed or if inhaled.

Aquatic Acute 1: H400 – Very toxic to aquatic life.

Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 – Causes serious eye damage.

Skin Irrit. 2: H315 – Causes skin irritation.

Skin Sens. 1: H317 – May cause an allergic skin reaction.

STOT RE 2: H373 – May cause damage to organs through prolonged or repeated exposure.

STOT SE 3: H335 – May cause respiratory irritation.

**Classification procedure:**

Aquatic Acute 1: Calculation method

Aquatic Chronic 1: Calculation method

Skin Sens. 1: Calculation method

Acute Tox. 4: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**



**CIPERNIOL**

**SECTION 16: OTHER INFORMATION \*\* (continued)**

ADR: European agreement concerning the international carriage of dangerous goods by road  
IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
LC50: Lethal Concentration 50  
EC50: Effective concentration 50  
LogPOW: Octanolwater partition coefficient  
Koc: Partition coefficient of organic carbon  
UFI: unique formula identifier  
IARC: International Agency for Research on Cancer

*\*\* Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

– END OF SAFETY DATA SHEET –