



AUD-AD-140-2347636 : رقم التسجيل
03-08-2023 : التاريخ

قطاع التنوع الغذائي
إدارة التنمية والصحة الزراعية

تسجيل مبيد	تجهيزي
مبيد أمراض صفة عامة (حشري)	
تشهد وزارة التغير المناخي والبيئة بأن المبيد بالمواصفات التالية	
الاسم التجاري للمبيد : K-OTHRINE PARTIX	
بلد التسجيل : فرنسا	
المواد الفعالة وتركيزها : deltamethrin 25 g/l	
CAS RN : 52918-63-5	
صورة المستحضر : SC	
حجم العبوة : لتر 0.2, 0.25, 0.5, 1	
بلد (التسجيل/المنشأ) والشركة المنتجة : فرنسا، المانيا - Environmental Science FR S.A.S 2022	
الشركة المحلية المستوردة : TECHNICAL AGRICULTURAL CO L.L.C	
تاريخ إصدار الشهادة : 03-08-2023	صالحة حتى : 15-05-2028
ملاحظات : لا يوجد	

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

ملاحظات :

- يعاد تقييم المبيد كل خمس سنوات حتى يتم تجديد هذه الشهادة بعد ذلك. تلغى هذه الشهادة في حالة شطب أو سحب المبيد من قبل المنظمات والهيئات العالمية المختصة في تسجيل المبيد أو ثبت للوزارة تدهور المبيد أثناء فترة صلاحيته تحت الظروف البيئية للدولة أو ثبت أن لديه آثار جانبية ضارة

سددت الرسوم 3021.42 درهم

رقم إيصال الشهادة : 126892415204038398

تاريخ إيصال الشهادة : 22-06-2023

مدير إدارة الشؤون البلدية

رمز التحقق : 234-7636



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K-Othrine Partix

Version 1 / GB
102000026312

1/13
Revision Date: 24.01.2019
Print Date: 24.04.2019

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

1.1 Product identifier

Trade name K-Othrine Partix
Product code (UVP) 80547854

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

Use Insecticide

1.3 Details of the supplier of the safety data sheet

Supplier Bayer Environmental Science
230 Cambridge Science Park
Milton Road
Cambridge
Cambridgeshire CB4 0WB
United Kingdom

Telephone 00800-1214 9451

Telefax +44(0)1223 426240

Responsible Department Email: ukcropsupport@bayer.com

1.4 Emergency telephone no.

Emergency telephone no. 00800 1020 3333 (24 hr)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Skin sensitisation: Category 1
H317 May cause an allergic skin reaction.

Acute aquatic toxicity: Category 1
H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1
H410 Very toxic to aquatic life with long lasting effects.

Classification according to specific UK regulations:

Skin sensitisation: Category 1
H317 May cause an allergic skin reaction.

Acute aquatic toxicity: Category 1
H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1
H410 Very toxic to aquatic life with long lasting effects.



K-Othrine Partix

Version 1 / GB
102000026312

2/13
Revision Date: 24.01.2019
Print Date: 24.04.2019

2.2 Label elements

Labelling according to specific UK regulations:

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

- Deltamethrin
- reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)



Signal word: Warning

Hazard statements

- H317 May cause an allergic skin reaction.
 H410 Very toxic to aquatic life with long lasting effects.
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements

- P261 Avoid breathing spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection.
 P302 + P352 IF ON SKIN: Wash with plenty of water/ soap.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P391 Collect spillage.
 P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3 Other hazards

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Suspension concentrate (=flowable concentrate)(SC)
Deltamethrin 25 g/l

Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. / EC-No. / REACH Reg. No.	Classification	Conc. [%]
		REGULATION (EC) No 1272/2008	
Deltamethrin	52918-63-5 258-256-6	Aquatic Acute 1, H400 Acute Tox. 3, H301	2.45



K-Othrine Partix

Version 1 / GB
102000026312

3/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

		Acute Tox. 3, H331 Aquatic Chronic 1, H410	
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)	55965-84-9	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	> 0.0002 – < 0.0015
1,2-Propanediol	57-55-6 200-338-0 01-2119456809-23-xxxx	Not classified	>= 1
Alcohols, C16-18 and C18-unsatd., ethoxylated (15 - 20 EO)	68920-66-1 500-236-9	Aquatic Chronic 3, H412	<= 1.5
Alcohols, C16-18, ethoxylated	68439-49-6 500-212-8	Eye Irrit. 2, H319	<= 1.5
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	<= 0.6
Alcohols, C12-18, ethoxylated (5 EO)	68213-23-0 500-201-8	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	<= 0.6

Further information

Deltamethrin	52918-63-5	M-Factor: 1,000,000 (acute), 1,000,000 (chronic)
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	M-Factor: 100 (acute), 100 (chronic)

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Inhalation

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

Skin contact

Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.



K-Othrine Partix

Version 1 / GB
102000026312

4/13
Revision Date: 24.01.2019
Print Date: 24.04.2019

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed anaesthetic eye drops. Get medical attention if irritation develops and persists.

Ingestion Keep at rest. Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms Local: Skin and eye paraesthesia which may be severe, Usually transient with resolution within 24 hours, Skin, eye and mucous membrane irritation, Cough, Sneezing
Systemic: discomfort in the chest, tachycardia, Hypotension, Nausea, Abdominal pain, Diarrhoea, Vomiting, Blurred vision, Headache, Anorexia, Somnolence, Coma, Convulsions, Tremors, Prostration, Airway hyperreaction, Pulmonary oedema, Palpitation, Muscular fasciculation, Apathy, Dizziness

4.3 Indication of any immediate medical attention and special treatment needed

Risks This product contains a pyrethroid. Pyrethroid poisoning should not be confused with carbamate or organophosphate poisoning.

Treatment Systemic treatment: Initial treatment: symptomatic. Monitor: respiratory and cardiac functions. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Keep respiratory tract clear. Oxygen or artificial respiration if needed. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. If not effective, phenobarbital may be used. Contraindication: atropine. Contraindication: derivatives of adrenaline. There is no specific antidote. Recovery is spontaneous and without sequelae.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable High volume water jet

5.2 Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire.

5.3 Advice for firefighters

Special protective equipment for firefighters In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.



K-Othrine Partix

Version 1 / GB
102000026312

5/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

Further information Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions Keep people away from and upwind of spill/leak. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke. Use personal protective equipment.

6.2 Environmental precautions Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice Check also for any local site procedures.

6.4 Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Use only in area provided with appropriate exhaust ventilation.

Hygiene measures Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. Keep away from direct sunlight. Protect from freezing.

Advice on common storage Keep away from food, drink and animal feedingstuffs.

Suitable materials HDPE (high density polyethylene)



K-Othrine Partix

Version 1 / GB
102000026312

6/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

7.3 Specific end use(s) Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Deltamethrin	52918-63-5	0.01 mg/m ³ (TWA)		OES BCS*
1,2-Propanediol (Total vapour and particulates.)	57-55-6	474 mg/m ³ /150 ppm (TWA)	12 2011	EH40 WEL
1,2-Propanediol (Particulate.)	57-55-6	10 mg/m ³ (TWA)	12 2011	EH40 WEL

*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

Respiratory protection is not required under anticipated circumstances of exposure.
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.
Material Nitrile rubber
Rate of permeability > 480 min
Glove thickness > 0.4 mm
Protective index Class 6
Directive Protective gloves complying with EN 374.

Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

Skin and body protection

Wear standard coveralls and Category 3 Type 4 suit.

**K-Othrine Partix**Version 1 / GB
102000026312

7/13

Revision Date: 24.01.2019

Print Date: 24.04.2019

	If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
General protective measures	If product is handled while not enclosed, and if contact may occur: Complete suit protecting against chemicals

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Form	suspension
Colour	light beige to light brown
Odour	weak, characteristic
pH	ca. 3.0 - 4.5 (100 %) (23 °C)
Flash point	No flash point - Determination conducted up to the boiling point.
Ignition temperature	465 °C
Density	ca. 1.02 g/cm ³ (20 °C)
Water solubility	miscible
Partition coefficient: n-octanol/water	Deltamethrin: log Pow: 6.4 (25 °C)
Viscosity, kinematic	24.84 - 228.48 mm ² /s (20 °C) 20.76 - 192.00 mm ² /s (25 °C)
Surface tension	39.2 mN/m (20 °C) Determined as a 0,1% solution in distilled water (1 g/l). 34.5 mN/m (25 °C) Determined in the undiluted form.
Oxidizing properties	No oxidizing properties
Explosivity	Not explosive
9.2 Other information	Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity****Thermal decomposition** Stable under normal conditions.**10.2 Chemical stability** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.



K-Othrine Partix

Version 1 / GB
102000026312

8/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

- 10.4 Conditions to avoid** Extremes of temperature and direct sunlight.
- 10.5 Incompatible materials** Store only in the original container.
- 10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- Acute oral toxicity** LD50 (Rat) > 2,000 mg/kg
- Acute inhalation toxicity** ATE (Mix) (Rat) > 5.0 mg/l
Calculation method
Acute toxicity estimate
- Acute dermal toxicity** LD50 (Rat) > 2,000 mg/kg
- Skin corrosion/irritation** No skin irritation (Rabbit)
- Serious eye damage/eye irritation** No eye irritation (Rabbit)
- Respiratory or skin sensitisation** Skin: Sensitising (Mouse)
OECD Test Guideline 429, local lymph node assay (LLNA)

Assessment STOT Specific target organ toxicity – single exposure

Deltamethrin: Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity – repeated exposure

Deltamethrin caused neurobehavioral effects and/or neuropathological changes in animal studies. The toxic effects of Deltamethrin are related to transient hyperactivity typical for pyrethroid neurotoxicity.

Assessment mutagenicity

Deltamethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Deltamethrin was not carcinogenic in lifetime feeding studies in rats and mice.

Assessment toxicity to reproduction

Deltamethrin did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

Deltamethrin caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Deltamethrin are related to maternal toxicity.

Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

**K-Othrine Partix**Version 1 / GB
102000026312

9/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.15 µg/l Exposure time: 96 h The value mentioned relates to the active ingredient deltamethrin.
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) 0.0131 µg/l Exposure time: 48 h The value mentioned relates to the active ingredient deltamethrin.
Toxicity to aquatic plants	EC50 (Algae) > 9.1 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient deltamethrin.

12.2 Persistence and degradability

Biodegradability	Deltamethrin: Not rapidly biodegradable
Koc	Deltamethrin: Koc: 10240000

12.3 Bioaccumulative potential

Bioaccumulation	Deltamethrin: Bioconcentration factor (BCF) 1,400 Does not bioaccumulate.
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12.4 Mobility in soil

Mobility in soil	Deltamethrin: Immobile in soil
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12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment	Deltamethrin: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
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12.6 Other adverse effects

Additional ecological information	No other effects to be mentioned.
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SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product	In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK). Residues of the biocidal product must be disposed according to the Waste Framework Directive (2008/98/EC) and the European Waste Catalogue (EWC) as well as national and regional regulations. Biocidal products may only be kept in the original packaging. Do not mix with other wastes. Containers with product residues should be disposed properly.
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K-Othrine Partix

Version 1 / GB
102000026312

10/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

Contaminated packaging	<p>Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.</p> <p>Add washings to sprayer at time of filling.</p> <p>Dispose of empty and cleaned packaging safely.</p> <p>Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.</p> <p>Return large containers to supplier.</p> <p>Follow advice on product label and/or leaflet.</p> <p>Residues of the biocidal product must be disposed according to the Waste Framework Directive (2008/98/EC) and the European Waste Catalogue (EWC) as well as national and regional regulations.</p> <p>Biocidal products may only be kept in the original packaging.</p> <p>Do not mix with other wastes.</p> <p>Containers with product residues should be disposed properly.</p>
Waste key for the unused product	<p>20 01 19* pesticides</p> <p>15 01 10* packaging containing residues of or contaminated by hazardous substances</p>

SECTION 14: TRANSPORT INFORMATION

ADR/RID/ADN

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packaging Group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

IMDG

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packaging Group	III
14.5 Marine pollutant	YES

IATA

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packaging Group	III
14.5 Environm. Hazardous Mark	YES

**K-Othrine Partix**Version 1 / GB
10200002631211/13
Revision Date: 24.01.2019
Print Date: 24.04.2019**UK 'Carriage' Regulations**

14.1 UN number	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packaging Group	III
14.5 Environm. Hazardous Mark	YES
Emergency action code	3Z

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK and Northern Ireland Regulatory References**

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)
Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)
Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009
Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)
EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits
Control of Pesticide Regulations 1986
Dangerous Substances and Explosive Atmospheres Regulations 2002

Waste Treatment

Environmental Protection Act 1990, Part II
Environmental Protection (Duty of Care) Regulations 1991
The Waste Management Licensing Regulations 1994 (as amended)
Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)
Landfill Directive
Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)
Water Resources Act 1991
Anti-Pollution Works Regulations 1999

Further information

**K-Othrine Partix**Version 1 / GB
102000026312

12/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

WHO-classification: III (Slightly hazardous)

15.2 Chemical safety assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION**Text of the hazard statements mentioned in Section 3**

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EH40 WEL	Worker Exposure Limit
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SI	Statutory Instrument
TWA	Time weighted average
UN	United Nations
WHO	World health organisation



K-Othrine Partix

Version 1 / GB
102000026312

13/13

Revision Date: 24.01.2019
Print Date: 24.04.2019

Reason for Revision: The following sections have been revised: Section 2: Hazards Identification. Section 3: Composition / Information on Ingredients.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Properties:
K-Othrine Partix suspension concentrate is the first product with the new Partix™ formulation technology that gives pest controllers the power to control a broad spectrum of pests on any surface. K-Othrine Partix containing 2.45% Deltamethrin that belongs to the chemical group Pyrethroids. It can be used indoors in domestic, commercial and industrial premises to control crawling insects (including cockroaches and bedbugs), house flies, rat and spiders and for the outdoor control of wasps in free hanging nests.

INSECTS	DILUTION RATE	APPLICATION RATE	DURATION OF CONTROL
Cockroaches (American, German)	5 ml of the product in 1L of water	Apply solution at a rate of 50 ml per m ² to achieve 6.25 mg Deltamethrin/ m ²	Effective up to 12 weeks.
Cockroaches (American, German) Low infestation	2.5 ml of the product in 1L of water	Apply solution at a rate of 50 ml per m ² to achieve 3.125 mg Deltamethrin/ m ²	Effective up to 6-8 weeks
Bed Bugs	First Treatment: Dilute 10 ml of the product in 1L of water	Apply solution at a rate of 50 ml per m ² to achieve 12.5 mg Deltamethrin/m ²	Effective up to 12 weeks.
Bed Bugs	Second Treatment: Followed 4 days dilute 5 ml of the product in 1L of water	Apply solution at a rate of 50 ml per m ² to achieve 6.25 mg Deltamethrin/m ² .	Effective up to 12 weeks.
Spiders	5 ml of the product in 1L of water	Apply solution at a rate of 50 ml per m ² to achieve 6.25 mg Deltamethrin/ m ²	Effective up to 8 weeks.
House Flies at rest	5 ml of the product in 1L of water	Apply solution at a rate of 50 ml per m ² to achieve 6.25 mg Deltamethrin/m ² .	Effective up to 6-8 weeks.
Litter beetle			Effective up to 7 weeks
Wasps in nest (hanging under the roof and on the tree)	10 ml of the product in 1L of water	Apply solution at a rate of 200 ml per m ² to achieve 50 mg Deltamethrin/ nest.	Complete nest elimination is achieved within 1-2 weeks. Perform the treatment once.

Storage:
The pesticide should be stored in its original sealed containers in a cool, dry, well-ventilated place away from food and feed and out of the reach of children and animals.

How to dispose empty containers and pesticide residue:
Empty containers must not be reused for any purpose. Empty containers and pesticide residues should be disposed of according to applicable local regulations and through licensed companies responsible for disposing of empty containers and pesticide residues.

- Precautions for handling and use:**
- Follow the instructions written on the information card carefully.
 - Wear protective clothing (apron, mask, gloves, shoes) when mixing or using the pesticide.
 - Avoid application during high temperatures, wind blowing, or rain.
 - Avoid inhaling pesticide fumes.
 - Avoid contact of the pesticide with the skin, eyes or mouth.
 - Do not eat, drink or smoke when using the pesticide.
 - Wash the body and protective clothing well with soap and water after use.
 - Wash and clean spraying devices and machines with water after application.
 - The pesticide causes allergies when it comes into contact with the skin and eyes.
 - A mask must be used when using the pesticide in enclosed spaces.
 - It is not permissible to use the pesticide directly on water tanks or basins designated for drinking, or on tools designated for drinking.
 - The treated area must be ventilated after using the pesticide, and children, pregnant women, and strangers must be kept away from the treated areas.
 - Do not allow entry to the laboratory area for 4-6 hours and after good ventilation.
 - Do not apply the pesticide near apiaries or fish farming areas, as the pesticide is toxic to bees and fish.
 - Very toxic to aquatic organisms with long-term effects.

First aid:
If swallowed: Do not force the patient to vomit. He should remain in a comfortable position and consult a doctor immediately while carrying the pesticide container.

If inhaled: Place the patient in the open air away from the place of contamination and see a doctor.
If contact with the skin: Remove contaminated clothing and wash the body for at least 15 minutes, knowing that using warm water may increase irritation. If swelling, redness, or irritation of the skin occurs, use a cream containing vitamin E. You must consult a doctor immediately.

If contact with eyes, wash well with clean water for 15-20 minutes and see a doctor if necessary.
If sneezing, coughing, causing skin allergies Treatment and antibiotics: If symptoms of poisoning/poisoning appear due to negligence or misuse, a doctor should be consulted immediately.

Treatment should be according to the apparent symptoms, and there is no specific antidote.
In the event of fire:
1. Activate fire systems and inform the relevant authorities of the fire. Remove the ignition source.
2. Contain the fire as much as possible and do not risk extinguishing the fire.
3. After extinguishing, test the leak.

Guarantee:
The company guarantees the pesticide in its original containers, under appropriate storage conditions, for a maximum of twenty-four months from the date of production. The company does not bear responsibility for any damages resulting from misapplication, use, or storage.

KW87365077D - ARTICLE 86701049

Country	Importer	Tel. Number	Registration Number
Saudi Arabia	AMMC	+966126520471	PHPR - 2023 - P - 0144
UAE	Technical Agriculture	+97137669126	AUD-AD-140-2347636

Batch No.: انظر على العبوة رقم الدفعة:
Production Date: تاريخ الإنتاج: انظر على العبوة تاريخ الانتهاء:
Expiry Date: مستثنى من تاريخ الإنتاج

Supplier:
2022 Environmental Science FR S.A.S
3 place Giovanni Da Verrazzano 69009 Lyon France



Public Health Insecticide
مبيد آفات صحة عامة



كي - أوثرين بارتكس

في حالة التعرض للمبيد الاتصال على الرقم الموحد لوزارة الصحة السعودية 937
يستخدم من قبل فني مختص

Keep out of reach of children احفظ بعيداً عن متناول الأطفال

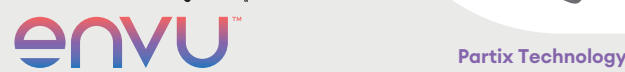
Composition : (W/W) التركيب : (وزن/وزن)
Active Ingredient : Deltamethrin 2.45% المادة الفعالة : دلتامثرين 2.45%
Inert Ingredients : 97.55% المواد المضافة: 97.55%
Total : 100% المجموع : 100%
Country of Origin: Germany بلد المنشأ: ألمانيا



WHO Classification: تصنيف منظمة الصحة العالمية:
slightly hazardous III قليل الخطورة III



مواد سامة
الوزن الصافي: 1 لتر
Net Weight: 1 L



الخصائص:
كي-أوثرين بارتكس على هيئة مركز معلق، هو أول مبيد من نوعه مجوز بتقنية البارتكس التي تتيح للمعالين في مكافحة آفات الصحة العامة القدرة على مكافحة طيف واسع من آفات الصحة العامة على جميع أنواع الأسطح. يحتوي كي-أوثرين بارتكس على 2.45% من المادة الفعالة دلتامثرين التي تنتمي لمجموعة البايروثرويدات الكيميائية. ويمكن استخدامه داخلياً في المنشآت السكنية والتجارية والصناعية لمكافحة الحشرات الآكلة (مثل الصراصير، بق الفراش) والذباب في أماكن استراحتهم والعتاكب. ويستخدم أيضاً خارجياً لمكافحة الدبابير في أعشاشها المعلقة.

الآفة	معدل التخفيف	معدل الاستخدام	فترة المكافحة
الصرصور (الأمركي، الألماني)	5 مل من المبيد لكل لتر ماء	استخدم المحلول بمعدل 50 مل / م ² للحصول على 6,25 ملغم دلتامثرين / م ²	فعالية تصل إلى 12 اسبوع
الصرصور (الأمركي، الألماني) عند الأساليب الخفيفة	2,5 مل من المبيد لكل لتر ماء	استخدم المحلول بمعدل 50 مل / م ² للحصول على 3,125 ملغم دلتامثرين / م ²	فعالية تصل إلى 6-8 اسابيع
بق الفراش	المعاملة الأولى: 10 مل من المبيد لكل لتر ماء	استخدم المحلول بمعدل 50 مل / م ² للحصول على 12,5 ملغم دلتامثرين / م ²	فعالية تصل إلى 12 اسبوع
بق الفراش	المعاملة الثانية: بعد 4 أيام 5 مل من المبيد لكل لتر ماء	استخدم المحلول بمعدل 50 مل / م ² للحصول على 6,25 ملغم دلتامثرين / م ²	فعالية تصل إلى 12 اسبوع
العتاكب	5 مل من المبيد لكل لتر ماء	استخدم المحلول بمعدل 50 مل / م ² للحصول على 6,25 ملغم دلتامثرين / م ²	فعالية تصل إلى 8 اسبوع
النباب المنزلي عند استراحتهم	5 مل من المبيد لكل لتر ماء	استخدم المحلول بمعدل 50 مل / م ² للحصول على 6,25 ملغم دلتامثرين / م ²	فعالية تصل إلى 8-6 اسابيع
حفظ الفروشة	10 مل من المبيد لكل لتر ماء	استخدم المحلول بمعدل 200 مل / م ² للحصول على 50 ملغم دلتامثرين / م ²	فعالية تصل إلى 7 اسبوع
الدبابير في الأشجار المعلقة تحت الأسقف وعلى الأشجار	1 لتر ماء	استخدم المحلول بمعدل 200 مل / م ² للحصول على 50 ملغم دلتامثرين / م ²	طبق المعاملة مرة واحدة

التخزين:
يخزن المبيد في عبواته الأصلية محكمة الإغلاق في مكان بارد وجاف ويجد التهوية بعيداً عن الأطعمة والأعلاف وبعداً عن متناول الأطفال والحيوانات.

كيفية التخلص من العبوات الفارغة وبقايا المبيد:
يجب عدم إعادة استخدام العبوات الفارغة لأي غرض كان. ويتم التخلص من العبوات الفارغة وبقايا المبيد حسب النوائح المحلية المتبعة وغير الشركات المرخصة والمسئولة عن التخلص من العبوات الفارغة وبقايا المبيدات.

إحتياطات التعامل والاستخدام:

- تبع التعليمات المدونة على بطاقة المعلومات بدقة.
- لبس الملابس الواقيه (مزرع،قناع،قفازات،حذاء) عند خلط او استعمال المبيد
- تجنب التطبيق أثناء ارتفاع الحرارة أو هبوب الرياح أو هبوب غطوط الأمطار.
- تجنب استنشاق بخيرة المبيد.
- تجنب ملامسة المبيد للجلد أو العين أو الفم.
- لا تاكل أو تشرب أو تدخن عند استعمال المبيد.
- غسل الجسم والملابس الواقيه جيدا باماء والصابون بعد الاستعمال.
- غسل وتطهير اجهزة آلات الرش باماء بعد التطبيق.
- المبيد يسبب حساسية عند ملامسته للجلد والعيون.
- يجب استخدام الكمامة عند استعمال المبيد في الامكان المعلقة.
- لا يجوز استخدام المبيد مباشرة على خزانات أو أحواض المياه المخصصة للشرب، أو الأدوات المخصصة للشرب.
- يجب تهوية المكان المعامل عقب استخدام المبيد وابتعاد الأطفال والحوامل والأشخاص الحساسين عن الأماكن المعاملة.
- عدم السماح بدخول المكان المعامل لمدة 4-6 ساعات وبعد التهوية الجيدة.
- عدم تطبيق المبيد بالقرب من المنازل وأماكن تربية الأسماك حيث أن المبيد سام للشح وللأسماك.
- سام جداً للحياه المائية عن تأثيرات طويلة الأمد.

الإسعافات الأولية:

- عند البلع: لا تجبر المصاب على التقيؤ ويقبى في وضع مريح ومراجعة الطبيب فوراً مع اصطحاب عبوة المبيد.
- عند الاستنشاق: وضع المصاب في الهواء الطلق بعيداً عن مكان التوث ومراجعة الطبيب.
- عند ملامسة الجلد: نزع الملابس الملوثة وغسل الجسم لمدة 15 دقيقة على الأقل مع العلم ان استخدام الماء الدافئ قد يزيد من التهيج وفي حالة حدوث تورم أو احمرار أو تهيج للجلد، استخدم كريم يحتوي على فيثامين (E) ويجب مراجعة الطبيب فوراً.
- عند ملامسة العيون الغسل الجيد باماء نظيف لمدة 15 - 20 دقيقة ومراجعة الطبيب إذا لمز الأمر.
- عند أعراض التسمم: غسل، كحة، يسبب حساسية للجلد

التعلاج والمضادات:

إذا ظهرت أعراض التسمم بسبب الإهمال أو سوء الاستخدام يجب مراجعة الطبيب فوراً ، العلاج حسب الأعراض الظاهرية ولا يوجد ترياق محدد.

في حالة نشوب الحرق:

- تفعيل أنظمة الحريق وإبلاغ الجهات المختصة بالحريق.
- أبعد مصدر الاشتعال
- إحتواء الحريق قدر المستطاع وعدم المخاطرة بإبقاء الحريق.

الضمان:

تضمن الشركة المبيد في عبواته الأصلية وذلك تحت ظروف التخزين المناسبة لمدة أربعة وعشرون شهراً من تاريخ الإنتاج كحد أقصى ولا تتحمل الشركة مسؤولية أي أضرار تنتج عن سوء التطبيق أو الاستخدام أو التخزين.