

## SAFETY DATA SHEET

Made in accordance with Regulations 1907/2006/EC and 1272/2008/EC and 2015/830/EU

### 1<sup>st</sup> section: Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier:** **POROTOX EXTRA insecticide dp**

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

biocidal product, product-type 18<sup>th</sup>; insecticide, Can be used to kill hidden lifestyle insects (eg. cockroaches, ants, fleas, bed bugs, etc.), in indoor and around buildings.

For general and professional use

**Contraindicated use:** if it's different from the above

**1.3. Details of the supplier of the safety data sheet:**

**METATOX Pesttíciid Gyártó és Forgalmazó Kft.**

H-5520 Szeghalom, Kossuth u. 8.

Telephone: +(36) 66 371 168; +36 30 5757 140

Contact details of the person responsible for the safety data sheet: [info@metatox.hu](mailto:info@metatox.hu)

**1.4. Emergency telephone number:** Health Toxicology Information Service:  
workhours: +36 1 476-6464 non-stop: +36 (80) 20 11 99


### 2<sup>nd</sup> section: Hazards identification

**2.1. Classification of the substance or mixture: The product is a mixture.** According to the manufacturer, and to the relevant EU regulations, and to the Regulation (EC) No. 1272/2008 (CLP) and its amendments, **is a hazardous mixture.**

**Classification:**

		Hazard class	Hazard category <sup>2</sup>
Health hazard:	-	-	-
Physical danger:	-	-	-
Environmental hazard:	Aquatic Acute 1	Dangerous for aquatic life, acute danger	1
	Aquatic Chronic 1	Dangerous for aquatic life, acute danger	1

**2.2. Label elements: Pictogram: GHS09 Signal word: WARNING**

	<p><b>Hazard statements:</b></p> <p>H410 Very toxic to aquatic life with long-lasting effects. EUH208 Contains permethrin. May produce an allergic reaction.</p> <p><b>Precautionary statements:</b></p> <p>P102 Keep out of reach of children. P103 Read label before use. P260 Do not breathe dust. P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/container in accordance with local regulation.</p>
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**Biocidal active substance contents: 0,5% permethrin, 0,3% pyperonil-butoxide, 0,05% natural pyrethrin**

**Warning:** Take care when using biocides! Do not use uncovered food, drinking and eating utensils.

**2.3. Other hazards:** not known.

<sup>1</sup>Classification, Labelling and Packaging: 1272/2008/EC Regulation and its Amendments.

<sup>2</sup> Higher number means less danger.

<sup>3</sup> Aquatic Acute 1 (H400) and Aquatic Chronic 1 (H410), in case of environmental hazard, should be used H410 phrases on the label.

### 3<sup>th</sup>section: Composition/information on ingredients

**3.1. Chemical character:** mixture

**3.2. Mixtures:** the product solid mixture, contains biocidal agent applied to a talc carrier.

Dangerous component	Concentration	Hazard class, category, H-sentences
Pyperonil-butoxide* CAS-szám: 51-03-6 EK-szám: 200-076-7	0,3%	Aquatic Acute 1, H400, Aquatic Chronic 1, H410; M: 1
Permethrin (cisz/transz: 25/75)** CAS-szám: 52645-53-1 EK-szám: 258-067-9 Index-szám: 613-058-00-2	0,5%	Acute Tox. (oral, inhal.) 4, H302, H332; Skin Sens. 1, H317; Aquatic Acute 1, H400, Aquatic Chronic 1, H410; M: 1000
Pyretrin*** CAS-szám: 8003-34-7 EK-szám: 232-319-8	0,05%	Acute Tox. 4 (oral, inhal.), H302, H332; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; M: 100
Talc; (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) CAS-szám: 14807-96-6 EK-szám: 238-877-9	ad 100%	non-classified material, has occupational exposure limit values, see section 8.

\* IUPAC name: 5-[[2-(2-butoxiethoxy) etoxi]metil]-6-propil-1,3-benzodioxol, nincs harmonizált uniós osztályozása

\*\* IUPAC name: 3-fenoxibenzil (1RS,3RS;1RS,3SR)-3-(2,2-diklórvinil)-2,2-dimetilciklopropán-karboxilát

\*\*\* does not have a harmonized EU classification based on the information provided by the manufacturer

The above hazard classes, categories, H-phrases refer to the pure component, the hazard classification according to the preparation is given in Section 2.

For full text of H-Statements and Abbreviations see Section 16.

### 4<sup>th</sup>section: First aid measures

#### 4.1. Description of first aid measures

**General information:** The professionalism and speed of first aid can greatly reduce the occurrence and severity of the symptoms. In a person with unconscious or spastic fluid, drink or drink vomiting!

**Inhalation:** Bring the injured person to fresh air, place it in rest. In the event of symptoms or poisoning, seek medical attention.

**Skin contact:** Wash affected area with soap and plenty of water. If irritation occurs, seek medical attention.

**Eye contact:** Immediately flush eyes with plenty of water for at least 10 minutes, while the eyelids are opened and the eyeball is moved. If there is a contact lens, remove it and resume rinsing. In the event of a complaint or symptom persistence consult a specialist.

**Ingestion:** If swallowed, seek medical advice IMMEDIATELY and show the package, label or safety data sheet of the product. Vomiting should only be made to the physician's express instructions. Rinse mouth with water. Do not eat or drink, relax in a warm place and consult a physician.

**4.2. Most important symptoms and effects, both acute and delayed:** may cause temporary irritation. May cause skin sensitization in susceptible persons, may cause allergic reactions.

**4.3. Indication of any immediate medical attention and special treatment needed:** not known.

Note to the doctor: treat symptoms, apply supportive therapy.

### 5<sup>th</sup>section: Firefighting measures

**5.1. Extinguishing media:** it is advisable to determine the basis of combustible substances in the environment.

**Unsuitable extinguishing media:** not known.

**5.2. Special hazards arising from the substance or mixture:** high temperatures can cause toxic and irritant gases, vapors, eg carbon monoxide, carbon dioxide and oxides of nitrogen during combustion and decomposition.

**5.3. Advice for firefighters:** full protective equipment and breathing apparatus independent of the environment if there is a risk of exposure to vapors or combustion products.

## 6<sup>th</sup> section: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Mechanically collect the dispersed product, wear chemical resistant gloves and avoid exposure to the product!

In the case of large amount of remediation, it is recommended to use dust-mask.

**For non-emergency persons:** leave the danger zone and notify the authorities.

**Emergency services:** Personal protective equipment is required. Remediation can only be performed by trained personnel.

### 6.2. Environmental precautions

The spilled product should not enter drains, water bodies or soil. Waste disposal and disposal should be in accordance with local regulations. If the product reaches the sewer or water bodies, the competent authorities must be informed.

### 6.3. Methods and material for containment and cleaning up

The scattered product need to mechanically sweep, sweeping free of dust, and place in a suitable container and dispose of it. Disposal in accordance with local regulations. Wash contaminated area with water or water containing detergent. Avoid to get the cleaning-water into the sewer.

**6.4. Reference to other sections:** see Section 8. and 13.

## 7<sup>th</sup> section: Handling and storage

The product can only be used as stated in the instructions for use. Avoid exposure to the product: skin contact, eye contact and swallowing. Do not eat, drink or smoke while using.

After treatment, wash hands with soap and plenty of water.

**7.1. Precautions for safe handling:** Avoid exposure to the product: Do not expose to skin, clothing, eyes

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a sealed original container in a dry, cool, well-ventilated place, protected from direct sunlight, moisture, food, drink, feed and incompatible materials.

Can be used for 3 years from the date of manufacture.

Children, unauthorized persons, birds, livestock, pets do not have access.

**7.3. Specific end use(s):** biocidal product, insecticide, for general and professional users. Users should always read the user's manual and follow the instructions for safe handling and use.

## 8<sup>th</sup> section: Exposure controls and personal protection

### 8.1. Control parameters

**Occupational exposure limits:** permissible in workplace air:

**Talc** (asbestos free): respiratory fraction: 2 mg/m<sup>3</sup> – 25%2000. (IX.30.) EüM-SzCsM regulation.

**Pyrethrin:** ÁK: 1 mg/m<sup>3</sup> – 25/2000 (IX.30.) EüM-SzCsM regulation.

ÁK: average allowable concentration: concentration of the air pollutant per shift in the air of the workplace which does not adversely affect the health of the worker.

Respiratory fraction: the fraction of mass of inhaled particles that penetrate into the acylular epithelium.

### 8.2. Exposure controls

**Technical measure:** Providing protective equipment.

**Hygiene measures:**

- Do not eat, drink or smoke during treatment.
- After treatment, wash thoroughly with warm, soapy water.
- General safety regulations for handling chemicals must be observed.

**Personal protective equipment:**

- **Respiratory protection:** In tight spaces, prolonged exposure, if the talc concentration reaches the limit value in the workplace air, use a respirator with a dust mask or filter cartridge (FFP1, P1) complying with EN 149 standard.
- **Hand protection:** During treatment recommended to use a chemical resistant gloves conforming to EN 374. Replace protective gloves if damaged.
- **Eye protection:** not required. In case of prolonged exposure, if eye contact is present, the use of large quantities of goggles or tight goggles in accordance with EN 166 is recommended.
- **Skin protection:** workwear use recommended. Body protection should be selected depending on activity and potential exposure.
- **Thermal hazard:** not occur.

#### Environmental exposure controls:

Do not dispose of this product and its container into sewers, water bodies.

The above applies to professionally performed activities and intended use conditions, under normal circumstances. If work is done under different circumstances or exceptional circumstances, it is recommended that you decide on additional tasks and personal protective equipment by involving an expert.

## 9<sup>th</sup> section: Physical and Chemical Properties

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

Physical state:	solid
Appearance:	powder
Color:	white
Odor:	neutral
Odor threshold:	not relevant
Water solubility:	insoluble
pH-data on 20°C:	no data
Volume weight:	no data
Melting/boiling point:	not relevant
Decomposition temperature:	no data
Flash point:	not relevant
Auto-ignition temperature:	no data
Flammability (gas, solid):	no data
Vapor pressure:	no data
Evaporation rate:	not relevant
Partition coefficient:	no data
Viscosity:	not relevant
Explosive properties:	not characteristic
Explosion limits:	not characteristic
Oxidizing properties:	non-oxidising

**9.2. Other information:** no information available

## 10<sup>th</sup> section: Stability and reactivity

**10.1. Reactivity:** not typical. No known danger.

**10.2. Chemical stability:** under normal conditions (normal temperature and pressure conditions and the storage conditions specified in Section 7) are stable.

**10.3. Possibility of hazardous reactions:** not known.

**10.4. Conditions to avoid:** high temperature, heat, heating, frost, moisture.

**10.5. Incompatible materials:** strong acids, alkalis, oxidants.

**10.6. Hazardous decomposition products:** not under normal conditions.

## 11<sup>th</sup> section: Toxicological information

**11.1. Information on toxicological effects:** toxicological studies have not been performed with the product. The assessment was made only on the basis of the toxicological data, classifications and concentrations of the ingredients according to the CLP regulation.

**Acute toxicity:** based on estimated  $ATE_{mix}$  values, the product should not be classified as acute toxicity (oral, dermal, inhalative).

**Skin corrosion/skin irritation:** the composition of the product and the available data are not corrosive and do not irritate the skin.

**Serious eye damage / eye irritation:** does not cause serious eye damage and does not irritate the eyes due to the composition of the product and the available data.

**Respiratory-, and skin sensitization:** the product is not classified as a sensitizing mixture; skin sensitization may occur in susceptible persons due to permethrin content.

**Germ cell mutagenicity:** based on available information, the product is not need to classified as a mutagenic mixture.

**Carcinogenicity:** Based on available information, the product should not be classified as carcinogenic.

**Reproductive toxicity:** Based on available information, the product should not be classified.

**STOT SE:** the product is not classified as hazardous to STOT SE, the criteria for classification in this hazard class are not met.

**STOT RE:** the criterion for this hazard classification is met.

**Aspiration toxicity:** The product is not need to classified as causing to asphyxiation toxicity.

Repeated or prolonged contact may result in irritation (respiratory, skin, eye) at exposure levels, and at higher concentrations in the workplace.

## 12<sup>th</sup> section: Ecological information

**12.1. Toxicity:** the active substances of the product (permethrin, pyrethrin and pyperonil-butoxide) are very toxic to aquatic organisms and causes long-lasting damage.

Concentration ratios and CLP Regulation 4.1.1. and Table 4.1.2, the product itself will also be classified as a hazardous to the aquatic environment, taking into account the M-factors of the components.

**12.2. Persistence and degradability:** Pyrethrins decompose rapidly under UV light.

**12.3. Bioaccumulative potential:**

pyperonil-butoxide:  $\log P_{ov}$ : 4,8; BCF: 91-380

permethrin:  $\log P_{ov}$ : 4,67; BCF: 290-6200

pyrethrin: BCF: 471

**12.4. Mobility in soil: weakly for all active substances.**

**12.5. Result of PBT and vPvB assessment:** not contain PBT, vPvB materials.

**12.6. Other adverse effects:** no data.

## 13<sup>th</sup> section: Disposal considerations

**13.1. Waste treatment methods:**

To treat the residues and waste of the preparation, see 225/2015. (VIII.7.) Government Decree and its handling of packaging waste is governed by Government Decree 442/2012 (XII.29.).

After the treatment, remove the feeding places and collect the residual product as well as the rodent traps and bait stations. Provision should be made to clean up any spilled product.

Waste loose product that can not be used for its original purpose should be treated as hazardous waste and placed in a hazardous waste disposal site, eg. waste site.

Waste product classification is 72/2013. (VIII.27.) VM.

**Classification of waste product (Waste key / EWC code):**

07 04 organic plant protection products (excluding 02 01 08 and 02 01 09), wood preservatives (excluding 03 02) and waste from the manufacture, presentation, distribution and use of biocides

07 04 13\* solid waste containing dangerous substances

It is forbidden to release product, residue, waste into sewers, water bodies.

## 14<sup>th</sup> section: Transport information

This product is **not a hazardous product** under the terms of the International Carriage of Dangerous Goods by **ADR / RID, IMDG and IATA**.

## 15<sup>th</sup> section: Regulatory information

### 15.1. Safety, health and environmental regulations / legislation for the mixture

The active substance of the product is bromadiolon, an active substance approved under Directive 2009/92 / EC to the Product Type of 18.

The product does not contain any contain which is listed by REACH XVII. .

The product does not contain any SVHC material and does not contain any candidate list material by SVHC.

The product does not contain any listed material by REACH XIV.

#### Relevant Community legislation

Biocide Regulations: 528/2012/EU and its amendments, and 354/2013/EU, 414/2013/EU, 564/2013/EU, 613/2013/EU, 736/2013, 837/2013/EU, 88/2014/EU és 334/2014/EU, 1062/2014/EU

REACH Regulation: 1907/2006/EC and its amendments

CLP Regulation (1272/2008/EC) and its amendments: 1. ATP: 790/2009/EC regulation; 2. ATP: 286/2011/EC regulation; 3. ATP: 618/2012/EU regulation; 4. ATP: 487/2013/EU regulation; 5. ATP: 944/2013/EU regulation; 6. ATP: 605/2014/EU regulation; 7. ATP: 2015/1221/EU regulation; 8. ATP: 2016/918/EU regulation; 9. ATP: 2016/1179/EU regulation

Directive 98/24 / EC on the protection of the health and safety of workers from the risks related to chemical agents at work;

Occupational Exposure Limits: 91/322/EC regulation and its amendments; 2000/39/EC directive and its amendments; Directive 94/33/EC on the protection of young people at work.

#### Relevant national legislation

Biocidal: 38/2003. (VII.7.) ESzCsM-FVM-KvVM regulation on the conditions for the production and marketing of biocidal products; 316/2013. (VIII.28.) Government Decree on Certain Rules for the Authorization and Marketing of Biocidal Products;

Labour safety: az 1993. évi XCIII. Act on Occupational Safety; 25/2000. (IX.30.) EüM-SzCsM Decree on the Chemical Safety of Workplaces; 33/1998. (VI.24.) NM regulation on the medical examination and opinion on the professional, personal hygiene and fitness for work; 3/2002. (II.8.) SzCsM-EüM regulation on the minimum level of work safety requirements for workplaces;

Chemical safety: 2000. évi XXV. act on Chemical Safety and its amendments, detailed rules for certain procedures and activities related to dangerous substances and dangerous preparations, 44/2000. (XII.27.) EüM regulation and its amendments;

Environmental Protection: 1995. évi LIII. Act on the General Rules for the Protection of the Environment; 2012. évi CLXXXV. law on waste; 225/2015. (VIII.7.) Government Decree on detailed rules for certain activities related to hazardous waste; 72/2013. (VIII.27.) VM Regulation on the Waste List;

Fire protection: 1996. évi XXXI. law on fire protection, technical rescue and fire brigade; az 54/2014. (XII.5.) BM regulation on the National Fire Protection Code.

15.2. **Chemical safety assessment:** no chemical safety assessment has been carried out.

## 16<sup>th</sup> section: Other information

The safety data sheet is not intended to guarantee certain characteristics of the product, does not replace the details product specification.

The information, data and recommendations contained in the Safety Data Sheet are based on our best knowledge, which are known and accurate and at the time of issue and are designed to help the safe use of the product.

Store, treat and use the product only as described in the instructions for use.

It is the responsibility of the user to take all necessary precautions when using the product.

This data sheet does not imply any legal obligation or liability for misuse, or improper use, as the conditions of use (handling, application, storage, disposal, etc.) fall outside our control.

**Recommendation for Education:** Persons who work professionally with the product should be informed of the dangers of working with chemicals and of the general safety and health protection regulations in the framework of repeated annual safety education.

THE SAFETY DATA SHEET IS ALWAYS AVAILABLE TO WORKERS.

**Product Classification:** Calculation Method.

**Full text of all H-phrases and abbreviations in section 3:**

Abbreviations of Hazard Classes: (abbreviated numbers mean the class within the class, larger numbers represent a lower risk):

Acute Tox.: acute toxicity; oral: orally; dermal: through the skin; inhal.: inhalation; Repr.: reproductive toxicity; STOT RE: target organ toxicity, repeated exposure; Skin Irrit.: skin irritation; Eye Dam.: serious eye damage;. Aquatic Acute: dangerous for the aquatic environment, acute danger; Aquatic Chronic: it poses a chronic danger to the aquatic environment.

H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction  
H332 Harmful if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long-lasting effects.

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATP Adaption to Technical Progress  
BCF Bioconcentration factor  
CAS Chemical Abstract Service  
DNEL DERIVED NO EFFECT LEVEL: származtatott hatásmentes szint  
IATA International Air Transport Association,  
ICAO International Civil Aviation Organization Technical Instruction for the Safe Transport of Dangerous Goods by Air,  
logP<sub>o/w</sub> partition coefficient (n-oktanol – water)  
IMDG International Maritime Dangerous Goods Code  
M: multiplication factor to be used for the determination of acute and chronic aquatic hazard using a weighted summation method  
PBT persistent, bioaccumulative and toxic  
RID Technical Instructions for the Safety of International Regulations for the International Carriage of Dangerous Goods by Rail  
vPvB: very persistent, very bioaccumulative

**Sheet History:** This data sheet is based on manufacturer data and overwrites previous versions. The purpose of this amendment is to comply with Regulation (EU) No 2016/1179.

**The product's packaging sizes and merchantability:**

General public use, for retail distribution	For professionals
100, 125 g	1 kg

\*The product including to the III. distribution category; however, packaging of a size larger than 125 g can only be sold exclusively to the professionals.

Pay attention to safety when using biocides!  
Always read the label and instructions before use!

To avoid risks to human health and to the environment, must be observed the instructions for use!  
Carefully read the information on the label and the instructions for safe use before each use!  
The safety data sheets of the products are publicly available and can be downloaded free of charge from our website!