

**DATA SHEET**  
**MAX BIOCIDES SPOT ON DROPS**

Date of issue: 2017-05-19

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**1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

MAX Biocides Spot On Drops

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

Identified use: biocides (repellent) active substance

Uses against: all other uses than the above-mentioned

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

Producer: **Selecta HTC Maria Dragstra**  
Adres: 09-151 Miączyn 42a  
Telefon/Fax: 22 751 67 96  
e-mail: technolog@selectahtc.com.pl

**1.4. Emergency telephone number**

112

**2. Hazards identification**

2.1 Hazards description

2.1.1 Classification according to 67/548/EEC

2.1.1.1 Hazards characteristics: none

2.1.1.2 Risk-Phrases: none

2.1.2 Classification according to Regulation (EC) No 1272/2008 (CLP)

2.1.2.1 Hazards classes and hazards categories: no hazard classes and categories

2.1.2.2 Hazards statements: this active substance does not require hazard statements

2.1.2.3 Classification procedure: none

2.1.2.4 Additional hints: none

2.2.1 Information pertaining to special dangers for human and environment

2.2.1.1 Adverse physicochemical effects: no special remarkable effects

2.2.1.2 Adverse human health effects and symptoms: no special remarkable effects

2.2.1.3 Adverse environmental effects: no special remarkable effects

2.2.1.4 Other hazards: none

Additional information

Biocidal product. License number: 7143/17

Active substance: margosa extract, content: 4.5-4.8 g / 100g

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**3. Composition/information on ingredients**

**3.1 Substances**

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**3.2 Mixtures**

Name of substance	CAS	WE	% weig.	Classification rozp. 1272/2008
Margosa extract	84696-25-3	283-644-7	5	-

#### **4. First aid measures**

##### **4.1. Description of first aid measures**

###### **Inhalation:**

Exposure in this way usually does not occur

###### **Skin contact:**

In case of contact with skin, wash thoroughly with water

###### **Eye contact:**

Contaminated eyes rinse thoroughly with water for 10-15 minutes. Avoid strong stream of water - risk of damage to the cornea. Protect clean eye, remove contact lenses. In case of irritation consult an eye specialist.

###### **Ingestion:**

If ingested, drink plenty of water. Do not induce vomiting. Consult your doctor

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

Occasionally, in sensitive individuals long term contact with the product may lead to allergic reactions.

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

The product does not exhibit toxicity in contact with skin, eyes and by ingestion. The decision on how to proceed rescue made by a doctor after examination of the injured.

#### **5. Firefighting measures**

##### **5.1. Extinguishing media**

###### **Suitable Extinguishing Media:**

Carbon dioxide, extinguishing powders, foam, water spray.

###### **Unsuitable Extinguishing Media:**

high volume water jet

##### **5.2. Special hazards arising from the substance or mixture**

none

##### **5.3. Advice for firefighters**

###### **Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

###### **Additional Information:**

In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

#### **6. Accidental release measures**

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

Avoid contact with skin, eye and nose.

Do not breathe vapour or dust.

Do not let this chemical enter the environment.

##### **6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

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

Take up with oil-absorbing compound

##### **6.4. Additional information**

none

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## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Recommendations on safe handling:

Work according to the principles of safety and hygiene. Avoid contact with eyes. Before break and after work wash hands thoroughly. At work do not eat, drink or smoke.

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

The product is closed in sealed containers. Store in a dry place at 20 - 30 ° C. Protect from light. Keep out of the reach of children and away from food and drink.

### 7.3. Specific end use(s)

none

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## 8. Exposure controls/personal protection

### 8.1. Control parameters

The product does not have the composition of components subject to control exposure in the workplace.

### 8.2. Exposure controls

Follow the general safety and hygiene rules. At work do not eat, drink or smoke. Before break and after work wash hands thoroughly. Avoid contact with eyes.

#### Eye / face protection

Not necessary under normal working conditions.

#### Skin protection

Under normal operating conditions it is not required. In case of prolonged contact with large amounts of product recommended gloves.

#### Respiratory protection

Not necessary under normal working conditions.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties (margosa)

**Appearance:** at room temperature - liquid oli

**Boiling point:** about 340 °C

**Auto ignition temperature (AIT):** 395°C

**melting point:** 16-20 C

**Colour:** amber

**Density:** (at20°C) 0,925 g/cm<sup>3</sup>

**odour:** characteristic slightly onion garlic

**Solubility in water:** immiscible

**Fat solubility (n-octanol at 20°C):** 250 g/l

**Soluble in isopropanol at 20 C:** 80-100g/l

**pH value:** neutral

**Valour pressure:** not aplicable

**Viscosity:** -

**Explosives:** not explosive

### 9.2. Other information

none

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## 10. Stability and reactivity

### 10.1. Reactivity

Not reactive if used according to specifications.

### 10.2. Chemical stability

Stable in normal conditions of storage and use.

### 10.3. Possibility of hazardous reactions

Not known.

### 10.4. Conditions to avoid

High temperature (> 60 oC), sunlight, open flame.

## 10.5. Incompatible materials

none

## 10.6. Hazardous decomposition products

Do not occur if used according to specifications

## 11. Toxicological information

- 11.0 toxicokinetics, metabolism and distribution: -
- 11.0.1 non human toxicological data: -
- 11.0.2 human toxicological data: -
- 11.1 toxicological tests: -
  - 11.1.1 acute effects: -
    - 11.1.1.1 acute oral toxicity: LD50 rat>2000mg/kg
    - 11.1.1.2 acute dermal toxicity: LD50 rat>2000mg/kg
    - 11.1.1.3 acute inhalative toxicity: LD50 rat>5.15mg/l
  - 11.1.2 specific symptoms in animal studies: none
  - 11.1.3 irritant and corrosive effects:
    - 11.1.3.1 primary irritation on the skin: non irritant
    - 11.1.3.2 irritation to eyes: non irritant
    - 11.1.3.3 irritation to respiratory tract: -
  - 11.1.4 sensitisation:
    - 11.1.4.1 in case of skin contact: non sensitising
    - 11.1.4.2 in case of inhalation: -
  - 11.1.5 repeated dose toxicity: no indications of toxic effects
  - 11.1.6 CMR effects: no indications of toxic effects
  - 11.1.7 phototoxicity: -
- 11.2 experiences made in practice:
  - 11.2.1 observations relevant to classification: no indication of possible toxic effects.
- 11.3 general remarks: -

## 12. Ecological information

- 12.1 ecotoxicity
  - 12.1.1 aquatic toxicity
    - 12.1.1.1 aquatic fish toxicity: LC50(rainbow trout): 14mg/l
    - 12.1.1.2 aquatic daphnia toxicity: EC50(big water flea): 189mg/l
    - 12.1.1.3 algae toxicity: EC50 >400mg/l
  - 12.1.2 terrestrial toxicity
    - 12.1.2.1 useful insect toxicity: -
    - 12.1.2.2 acute earthworm toxicity:-
    - 12.1.2.3 effects on soil microorganism:-
- 12.2 mobility
  - 12.2.1 known or predicted distribution to environmental compartments:-
  - 12.2.2 surface tension
  - 12.2.3 adsorption/desorption: medium to low mobility
- 12.3 persistence and degradability
  - 12.3.1 abiotic degradation
    - 12.3.1.1 biodegradation: aerobic, readily biodegradable
- 12.4 bioaccumulative potential: no bioaccumulative potential:
- 12.5 results of PBT assessment: does not fulfil the criteria for PBT classification
- 12.6 other effects: -

## 13. Disposal considerations

- 13.1 appropriate disposal/product: must be made according to official local, state and federal regulation. Disposal name: natural plant oil
- 13.2 list of proposed waste codes designations in accordance with AVV: 20 01 26
- 13.3 list of proposed waste codes designations in accordance with EWC: 20 01 09
- 13.4 appropriate disposal/package:
  - non contaminated packages may be recycled
  - completely emptied packages can be recycled
  - contaminated packaging must be completely emptied and can be re-used following proper cleaning.

## **14. Transport information**

### **14.1. Number information**

The product is not classified as dangerous during transport.

### **14.2. UN proper shipping name**

Not applicable

### **14.3 Transport hazard class(es)**

Not applicable

### **14.4. Packing group**

Not applicable

### **14.5. Environmental hazards**

Mixture is not dangerous for the environment in accordance with the criteria set out in the transport rules.

### **14.6. Special precautions for user**

They are not required.

### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

15.1 EU-legislation:

15.1.1 chemical safety assesment:

15.1.2 labelling (67/548/EEC or 1999/45/EC):

15.1.2.1 hazards symbols and hazard statements of dangerous substances and preparation: no dangerous substance

15.1.2.2 hazard components for labelling: none

15.1.2.3 r-phrases: none

15.1.2.4 s-phrases: S2: keep out of reach of children

15.1.2.5 remark: margosa extract is no dangerous active substance

15.1.2.6 special provisions concerning the labeling of certain preparation: none

15.1.2.7 standart phrases for special risk for humans or the enviromental: none

15.1.2.8 standart phrases for safety precautions for the protection of humans or the enviroment: none

15.1.3 authorisations and/or restrictions on use: biocidal active substance (directive 98/8EC)

15.1.3.1 authorisations: according 98/8EC: biocidal active substance in product type 19 (repellents)

15.1.3.2 restrictions on use: none

15.1.4 other regulations (EU): directive 98/8EC

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## **16. Other information**

The above information is based on our current state of art and product as it is used. This safety data sheet has been prepared on the basis of Materials Safety Data Sheets.