

# SAFETY DATA SHEET

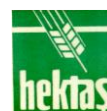
(according to Regulation (EC) No. 1907/2006)

PRODUCT NAME: PUZZLE 20 WP

REVISION DATE: 16.04.2018

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## 1.IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1.Product identifier

**Product Name:** Puzzle 20 WP

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

**Product Description:** Insecticide

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

Company: HEKTAŞ TİC. T.A.Ş.

Address: G.O.S.B İhsan Dede Cad. 700. Sok. 41480 Gebze / KOCAELİ

Telephone: +90 262 751 14 12

E-mail: [sds@hektas.com.tr](mailto:sds@hektas.com.tr)

### 1.4. Emergency telephone number

Telephone: +90 262 751 14 12

## 2.HAZARDS IDENTIFICATION

### 2.1. Classification of substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Acute toxicity ( Category 4 ), H302

Acute toxicity ( Category 4 ), H332

Aquatic Chronic ( Category 1 ), H410

### 2.2 Label elements



#### Warning

Hazard statements:

H302: Harmful if swallowed

H332: Harmful if inhaled

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.

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Precautionary statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P273: Avoid release to the environment

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection

P301+ P312: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician

P304+P340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P501: Dispose of contents/ container to in accordance with local regulation

**2.3. Other hazards:** No information available.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1. Substances

### 3.2. Mixtures

Hazardous Component	Cons %w/w	Cas Number	Classification
Pyridaben	20	96489-71-3	Acute Tox. 3, H301 Acute Tox. 3, H331 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Fillers	80	-	

For the classification not written out in full in this section the full text can be found in section 16.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation

Move to fresh air. Keep patient warm and at rest. If effects occur, consult a physician.

#### Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison Control center or doctor for treatment advice if effects persist.

#### Eye contact

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Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice if effects persist.

## **Ingestion**

Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person. Get medical attention immediately.

NOTE: There is no specific antidote. Treat symptomatically.

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

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

## **5. FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

Suitable Extinguishing Media: Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical

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

In a fire, formation of carbon oxides and nitrogen oxides

### **5.3 Advice for firefighters**

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.

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

Further information

Contain the spread of the fire-fighting media.

Do not allow run-off from fire-fighting to enter drains or water courses.

Unsuitable Extinguishers: Pressurized water

## **6. ACCIDENTAL RELEASE MEASURES**

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

Avoid contact with spilled product or contaminated surfaces.

Use personal protective equipment.

### **6.2. Environmental precautions**

Do not allow to get into surface water, drains and ground water.

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

Contain spilled material if possible. Sweep or shovel into a container. Avoid formation of dust.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Keep in suitable, closed containers for disposal.

### **6.4. Reference to other sections**

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Information regarding exposure controls/personal protection and disposal considerations can be found in section 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Advice on safe handling:

Avoid exposure to dust and vapors by wearing appropriate personal protective equipment.

Avoid skin and eye contact.

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

Keep out of reach of children. Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition, strong alkalis, acids and water. Do not allow to become wet or overheated in storage.

Requirements for storage areas and containers: Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and open flame.

Advice on common storage: Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s): No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

### 8.2. Exposure controls

#### Personal protective equipment

Respiratory Protection: Wear respirator

Hand Protection: Wear impermeable gloves to avoid skin contact. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection: Use chemical goggles.

Skin and body protection: protective clothing as necessary to prevent skin contact.

Hygiene measures:

Avoid contact with skin, eyes and clothing.

Keep working clothes separately.

Wash hands before breaks and at the end of workday.

Remove soiled and/or soaked clothing immediately and clean thoroughly before using again.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

- ❖ Appearance: Cream colored powder
- ❖ Smell: Odorless

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- ❖ pH ( %10): 5-8
- ❖ Boiling point : Unknown
- ❖ Flash point : No
- ❖ Flammability temperature : No
- ❖ Oxidation properties : No
- ❖ Vapor pressure : <0.01 mPa (25 °C)(pyridaben)
- ❖ Relative density : -
- ❖ In water : water disperses
- ❖ In oil : insoluble in oil
- ❖ Distribution coefficient (n-octanol/water): logP = 6.37(pyridaben)
- ❖ Fluidity / Viscosity : Fluid
- ❖ Vapor density : Not apply
- ❖ Evaporation rate : Not apply

**9.2. Other information:** No information available.

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity:** Stable under recommended storage conditions

**10.2. Chemical stability:** Stable under recommended storage conditions

**10.3. Possibility of hazardous reactions:** Stable under recommended storage conditions

**10.4. Conditions to avoid:** Avoid sources of ignition

**10.6. Hazardous decomposition products:** Carbon and nitrogen oxides can be expected

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Active ingredient data: Pyridaben**

Acute Oral LD<sub>50</sub> (rat): 1350 mg/kg

Acute percutaneous LD<sub>50</sub> (rat) > 2000 mg/kg

Inhalation LC<sub>50</sub> rats: > 0.66 mg/l (aerosol)

Skin Irritation: Not irritant (rabbit)

Eye Irritation: Not irritant (rabbit)

## 12. ECOLOGICAL INFORMATION

### 12.1. Ecotoxicity

#### **Active ingredient data:**

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## Pyridaben

Bobwhite quail oral LD50: 2250 mg/kg

Rainbow trout LC50 (48 h): 1,1µg/l

Daphnia LC50 (48 h): 0,59 µg/l

Bee LD50 (oral) : > 0,55µg/bee

**12.2. Persistence and degradability:** No information available.

**12.3. Bioaccumulative potential:** logP = 6.37(pyridaben)

**12.4. Mobility in soil:** No information available.

**12.5. Results of PBT and vPvB assessment:** No information available.

**12.6. Other adverse effects:** No information available.

## **13. DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

In accordance with federal, provincial and local regulations.

## **14. TRANSPORT INFORMATION**

14.1. UN-No: 3077

14.2. UN Transportation Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Pyridaben)

14.3. Packaging group: 3

14.4. Environmental Damages: Pyridaben

14.5. Measures for User:-

14.6. MARPOL 73/78 ek II and according to the IBC code public transport

14.7. Tunnel code : (E)

## **15. REGULATORY INFORMATION**

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

Regulation (EC) No. 1907/2006

## **16. OTHER INFORMATION**

H301: Toxic if swallowed

H302: Harmful if swallowed

H331: Toxic if inhaled

H332: Harmful if inhaled

H400: Very toxic to aquatic life

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

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The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with the respect to the information herein.

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